



FCC RF TEST REPORT

Report No.:	R201811002
Model No.:	JA32
Grant No.:	JOY
FCC ID:	JOYJA32
Date of Receipt:	Oct 10,2018
Date of Test:	Oct 10,2018~ Nov 15,2018
Date of Issue:	Nov 26,2018
Test Result:	PASS
Applicant:	KYOCERA CORPORATION
Manufacturer:	KYOCERA CORPORATION
Factory:	KYOCERA CORPORATION
Product Name	SMART PHONE
Trade Mark	KYOCERA
Address:	Yokohama Office 2-1-1 Kagahara,Tsuzuki-ku Yokohama-shi,Kanagawa,Japan
ISSUED BY:	BYD Precise Manufacture Co., Ltd.
LAB LOCATION:	No. 3001, Baohe Road, Baolong Longgang, Shenzhen, 518116, People's Republic of China

This test report consists of 94 pages in total. It may be duplicated completely for legal use with the approval of the applicant. It should not be reproduced except in full, without the written approval of our laboratory. The client should not use it to claim product endorsement by A2LA or any government agencies. The test results in the report only apply to the tested sample.



Table of Contents

1	REPORT ISSUED HISTORY	4
2	CERTIFICATION	5
3	SUMMARY OF TEST RESULTS	6
3.1	MEASUREMENT UNCERTAINTY	6
4	GENERAL INFORMATION	7
4.1	TEST EQUIPMENTS LIST	7
4.2	DESCRIPTION OF TEST MODES	8
4.3	TEST ENVIRONMENT AND LIST OF SOFTWARE AND PARTS	8
4.4	CONFIGURATION OF SYSTEM UNDER TEST	9
4.5	TESTING LOCATION	9
4.6	TEST FACILITY	9
4.7	GENERAL DESCRIPTION OF APPLIED STANDARDS.....	10
5	TEST TYPES AND RESULTS	11
5.1	NUMBER OF CHANNEL	11
5.1.1	Description	11
5.1.2	Test Instruments	11
5.1.3	Test Procedure	12
5.1.4	Test Setup	12
5.1.5	Test Results	12
5.2	HOPPING CHANNEL SEPARATION	14
5.2.1	Description	14
5.2.2	Test Instruments	14
5.2.3	Test Procedure	14
5.2.4	Test Setup	14
5.2.5	Test Result.....	15
5.3	DWELL TIME	25
5.3.1	Description	25
5.3.2	Test Instruments	25
5.3.3	Test Procedure	25
5.3.4	Test Setup	25
5.3.5	Test Result.....	26
5.4	20dB AND 99% BANDWIDTH.....	29
5.4.1	Description	29
5.4.2	Test Instruments	29
5.4.3	Test Procedure	29
5.4.4	Test Setup	29
5.4.5	Test Result.....	30
5.5	PEAK OUTPUT POWER	49
5.5.1	Description	49
5.5.2	Test Instruments	49
5.5.3	Test Procedure	49
5.5.4	Test Setup	49
5.5.5	Test Result.....	50
5.6	BAND EDGES	60
5.6.1	Description	60
5.6.2	Test Instruments	60



5.6.3	Test Procedure	60
5.6.4	Test Setup	60
5.6.5	Test Result.....	61
5.7	CONDUCTED SPURIOUS EMISSION	74
5.7.1	Description	74
5.7.2	Test Instruments	74
5.7.3	Test Procedure	74
5.7.4	Test Setup	74
5.7.5	Test Result.....	75
6	SAMPLE PICTRUE	93
7	APPENDIX - INFORMATION ON THE TESTING LABORATORIES	94



1 REPORT ISSUED HISTORY

Version	Description	Issued Data
Rev. 01	Original issue	Nov 26, 2018



2 CERTIFICATION

PRODUCT:	Smart Phone
MODEL:	JA32
BRAND:	KYOCERA
APPLICANT:	KYOCERA
TEST SAMPLE:	ENGINEERING SAMPLE
SN.:	JA32125479850089K0676
HW Version:	JA32
SW Version:	Sdm660_64-userdebug 9
TESTED:	Oct 10,2018~ Nov 15,2018
STANDARDS:	FCC 47 CFR Part15 Subpart C §15.247

The above equipment has been tested by **BYD Precise Manufacture Co., Ltd**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

PREPARED BY : 陈燕 , **DATE:** 2018-11-26
(Yan Chen / Engineer)

TECHNICAL ACCEPTANCE : 马海峰 , **DATE:** 2018-11-26
Responsible for EMS (Zhaohui Feng / Manager)

APPROVED BY : 颜杰 , **DATE:** 2018-11-26
(Jie Yan / Director)



3 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC PART15 Subpart C § 15.247			
STANDARD SECTION	TEST ITEMS	RESULT	REMARK
§15.247(a)(1)	Number of Channel	PASS	≥15Chs
§15.247(a)(1)	Hopping Channel Separation	PASS	≥2/3 of 20dB BW
§15.247(a)(1)	Dwell Time	PASS	≤0.4sec in 31.6sec period
§15.247(a)(1)	20dB Bandwidth	PASS	
-	99% Bandwidth	PASS	
§15.247(b)(1)	Peak Output Power	PASS	≤125mW
§15.247(d)	Band edges	PASS	≤20dBc
§15.247(d)	Conducted Spurious	PASS	≤20dBc

3.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2 Ed 1.0.

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

This lab's measurement uncertainty U_{Lab} , is low than U_{Cispr} , Table 1 – Values of U_{Cispr} of CISPR 16-4-2 Ed. 1.0, therefore compliance is deemed to occur if no measured disturbance exceeds the disturbance limit.

Parameter	Measurement Uncertainty
Occupied Channel Bandwidth	±5%
RF output power, Conducted	±0.59dB
Power Spectral Density, conducted	±0.59dB
Unwanted Emissions, conducted	±0.9dB
Temperature	±1°C
Humidity	±5%
DC and low frequency voltages	±0.4%
Duty Cycle	±1%



4 GENERAL INFORMATION

4.1 Test Equipments List

Description & Manufacturer	MODEL NO.	SERIAL NO.	Next Calibration date
CBT BLUETOOTH TESTER ROHDE & SCHWARZ	CBT	100430	2019/2/25
SIGNAL ANALYZER ROHDE & SCHWARZ	FSQ26	200393	2019/4/9
DC Power Supply Agilent	E3632A	MY40029031	2019/3/5
LC Filters	-	L2000-9C1AS	-
RF cable		-	-
Power Divider	-	C279810-01	-
PC	-	30008979	-

NOTE: Calibration cycle 12 months.



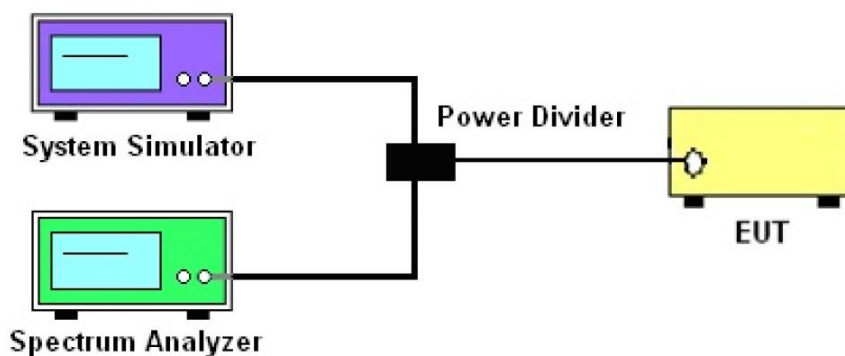
4.2 Description of Test Modes

Test Items	Data Rate	Operating Mode	Channel
Number of Channel	-	Hopping	00~78
Hopping Channel Separation	1/2/3Mbps	Hopping	00/78
Dwell Time	1/2/3Mbps	Hopping	00~78
20dB Bandwidth	1/2/3Mbps	Fixed	00/39/78
99% Bandwidth	1/2/3Mbps	Fixed	00/39/78
Peak Output Power	1/2/3Mbps	Fixed	00/39/78
Band edges	1/2/3Mbps	Fixed	00/78
Conducted Spurious	1/2/3Mbps	Fixed	00/39/78

4.3 Test Environment and List of Software and Parts

Test Items	Software	Parts	Environment
Number of Channel	QRCT Version3.0	USB Cable、Fake battery、Power Divider	Temp.:25°C±3 Humi:30%~60% Volt.:3.8V
Hopping Channel Separation	QRCT Version3.0	USB Cable、Fake battery、Power Divider	Temp.:25°C±3 Humi:30%~60% Volt.:3.8V
Dwell Time	QRCT Version3.0	USB Cable、Fake battery、Power Divider	Temp.:25°C±3 Humi:30%~60% Volt.:3.8V
20dB Bandwidth	QRCT Version3.0	USB Cable、Fake battery、Power Divider	Temp.:25°C±3 Humi:30%~60% Volt.:3.8V
99% Bandwidth	QRCT Version3.0	USB Cable、Fake battery、Power Divider	Temp.:25°C±3 Humi:30%~60% Volt.:3.8V
Peak Output Power	QRCT Version3.0	USB Cable、Fake battery、Power Divider	Temp.:25°C±3 Humi:30%~60% Volt.:3.8V
Band edges	QRCT Version3.0	USB Cable、Fake battery、Power Divider	Temp.:25°C±3 Humi:30%~60% Volt.:3.8V
Conducted Spurious	QRCT Version3.0	USB Cable、Fake battery、Power Divider	Temp.:25°C±3 Humi:30%~60% Volt.:3.8V

4.4 Configuration of System Under Test



4.5 Testing Location

Test Site	BYD Precise Manufacture Co., Ltd.
Test Site Location	No. 3001, Baohe Road, Baolong Longgang, Shenzhen, 518116, People's Republic of China
Post Code	518116
Telephone	+86-755 8489 8888 55501
Fax	+86-755 8964 3771

4.6 Test Facility

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

• **A2LA (Certificate No. 4886.01)**

BYD Precise Manufacture Co., Ltd., Baolong Shenzhen Laboratory is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 4886.01.

• **FCC –Designation Number: CN1232**

BYD Precise Manufacture Co., Ltd., Baolong Shenzhen Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1232.



4.7 General Description of Applied Standards

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC 47 CFR Part15 Subpart C §15.247

FCC Public Notice DA 00-705

ANSI C63.4-2003

All test items have been performed and recorded as per the above standards.



5 TEST TYPES AND RESULTS

5.1 Number of Channel

5.1.1 Description

Frequency hopping systems in the 2400-2483.5MHz band shall use at least 15 channels.

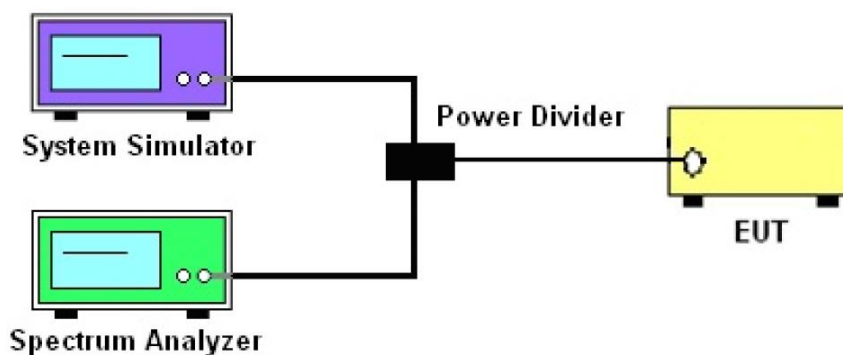
5.1.2 Test Instruments

The measuring equipment is listed in the section 4.1 of this test report.

5.1.3 Test Procedure

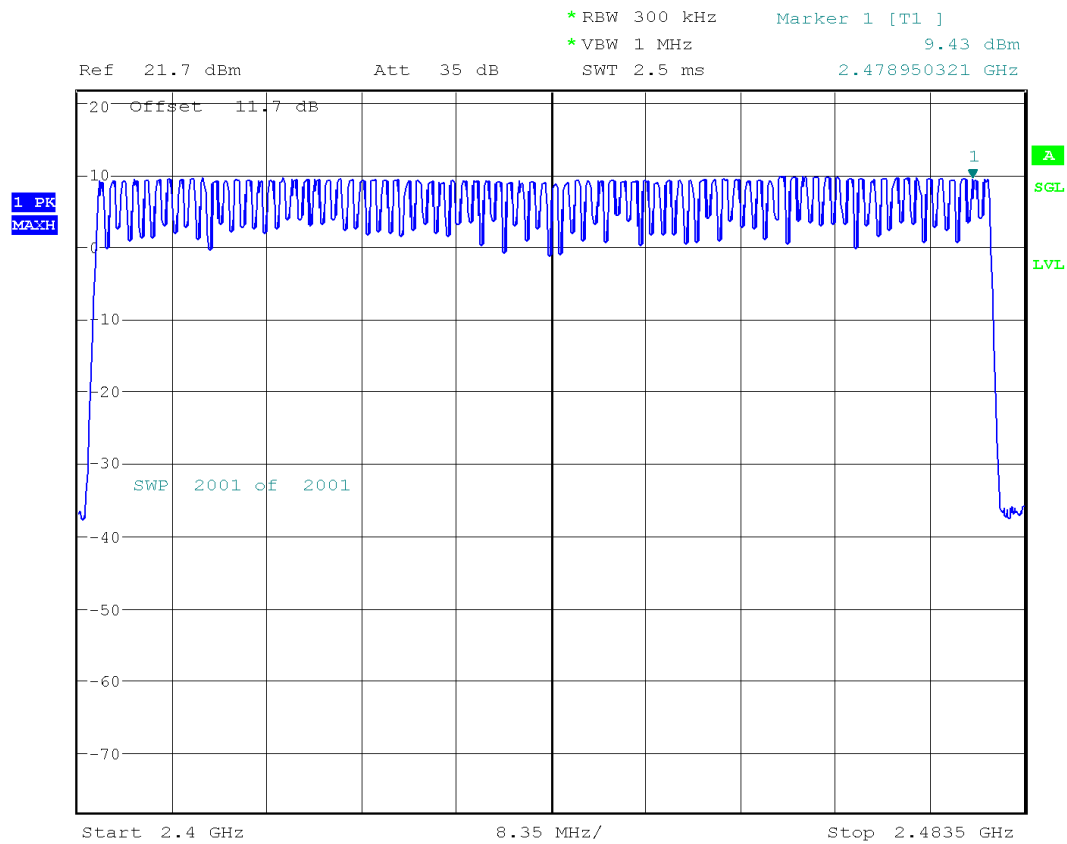
- The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss compensated to the results for each measurement.
- Set to the maximum power setting and enable the EUT transmit continuously.
- Enable the EUT hopping function.
- Use the following spectrum analyzer setting: Span=the frequency band of operation; RBW $\geq$ 1% of the span; VBW $\geq$ RBW; Sweep = auto; Detector function = peak; Trace = max hold.
- The number of hopping frequency used is defined as the number of total channel.
- Record the measurement data derived from spectrum analyzer.

5.1.4 Test Setup



5.1.5 Test Results

Number of Hopping Frequency(Channel)	Adaptive Hopping Frequency(Channel)	Limit(Channel)	P/F
79	20	15	PASS



BAND

Date: 10.OCT.2018 03:59:24

BT2.0 Number of Channel

5.2 Hopping Channel Separation

5.2.1 Description

Frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25kHz or two-thirds of the 20dB bandwidth off the hopping channel, whichever is greater.

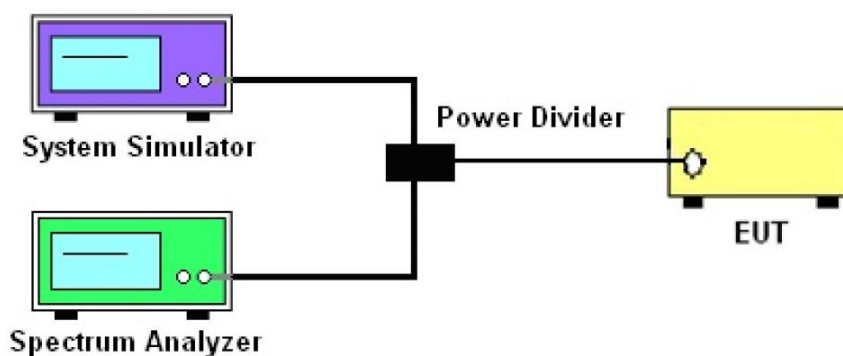
5.2.2 Test Instruments

The measuring equipment is listed in the section 4.1 of this test report.

5.2.3 Test Procedure

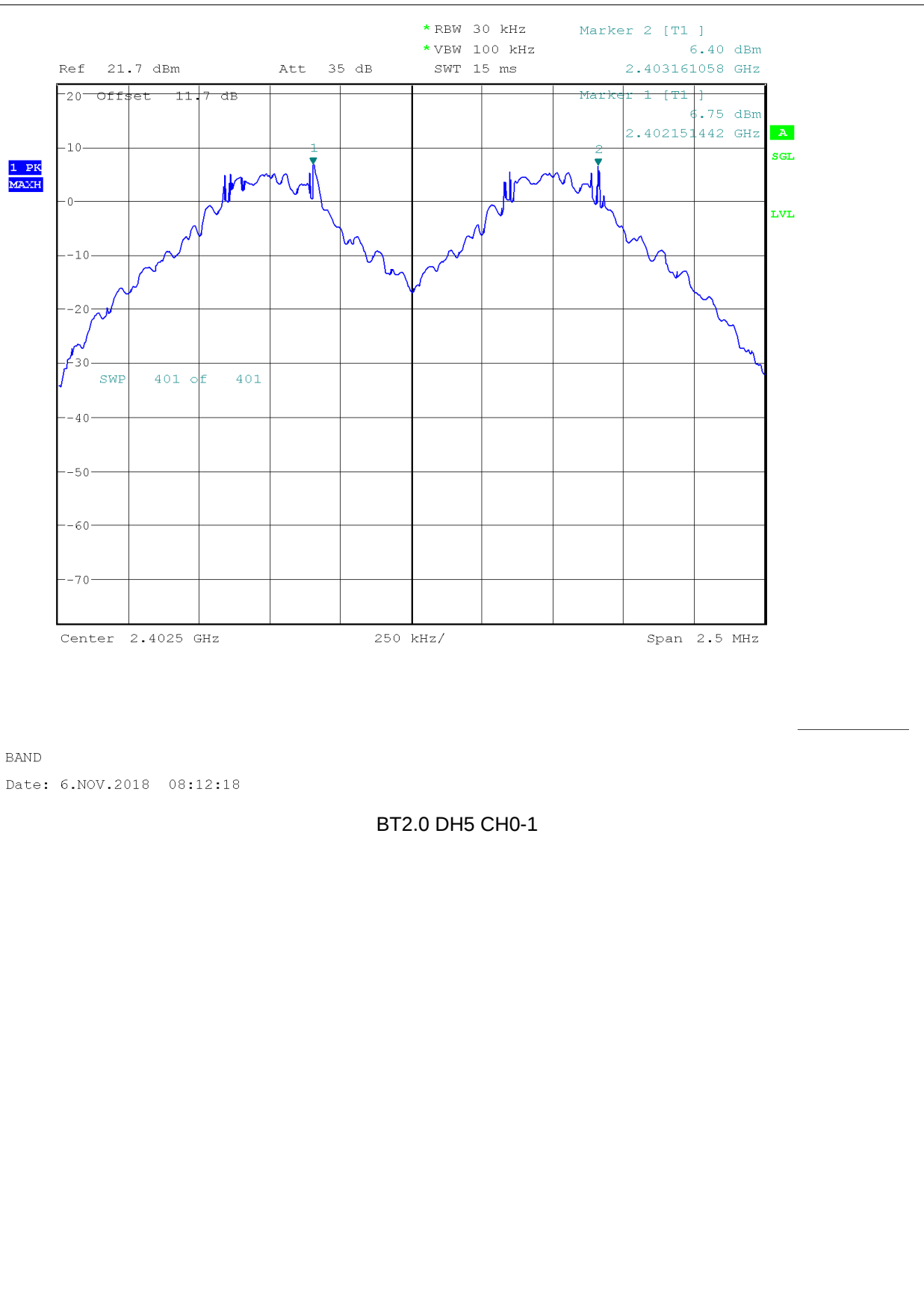
- The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss compensated to the results for each measurement.
- Set to the maximum power setting and enable the EUT transmit continuously.
- Enable the EUT hopping function.
- Use the following spectrum analyzer setting: Span=wide enough to capture the peaks of two adjacent channels; RBW $\geq$ 1% of the span; VBW $\geq$ RBW; Sweep = auto; Detector function = peak; Trace = max hold.
- Record the measurement the results in the test report.

5.2.4 Test Setup



**5.2.5 Test Result**

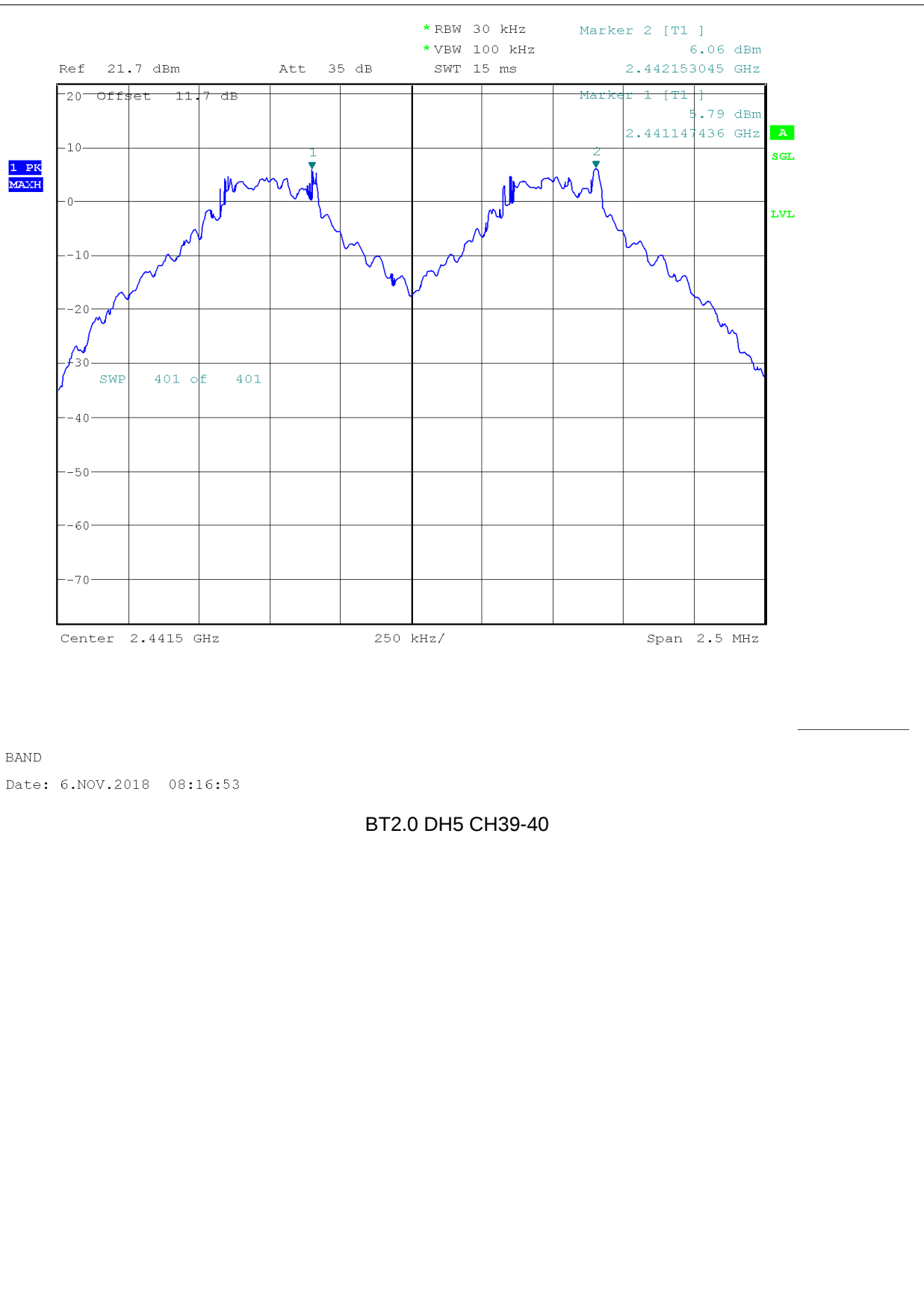
DH5				
Channel	Frequency(M Hz)	Hopping Channel Separation(kHz)	Limit(kHz)(25kHz or 2/3 20dB BW whichever is greater)	P/F
0-1	2402-2403	1009.62	576.92	PASS
39-40	2441-2442	1005.61	632.48	PASS
77-78	2479-2480	1021.63	549.15	PASS
2DH5				
Channel	Frequency(M Hz)	Hopping Channel Separation(MHz)	Limit(MHz)(25kHz or 2/3 20dB BW whichever is greater)	P/F
0-1	2402-2403	1157.85	868.59	PASS
39-40	2441-2442	1169.87	865.38	PASS
77-78	2479-2480	1165.87	855.77	PASS
3DH5				
Channel	Frequency(M Hz)	Hopping Channel Separation(MHz)	Limit(MHz)(25kHz or 2/3 20dB BW whichever is greater)	P/F
0-1	2402-2403	1005.61	855.77	PASS
39-40	2441-2442	1322.12	858.97	PASS
77-78	2479-2480	1005.61	868.59	PASS





Build Your Dreams!

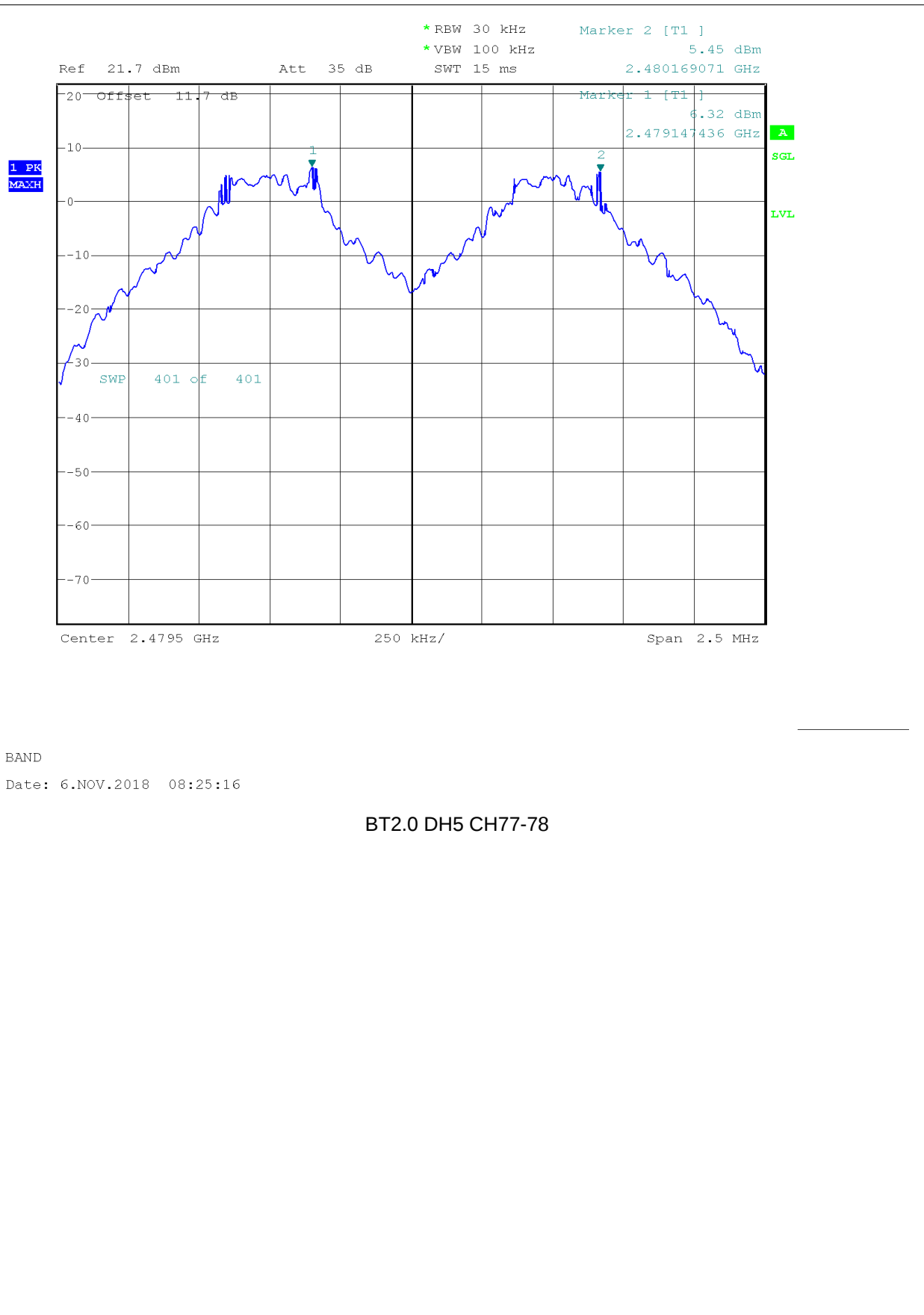
FCC RF TEST REPORT

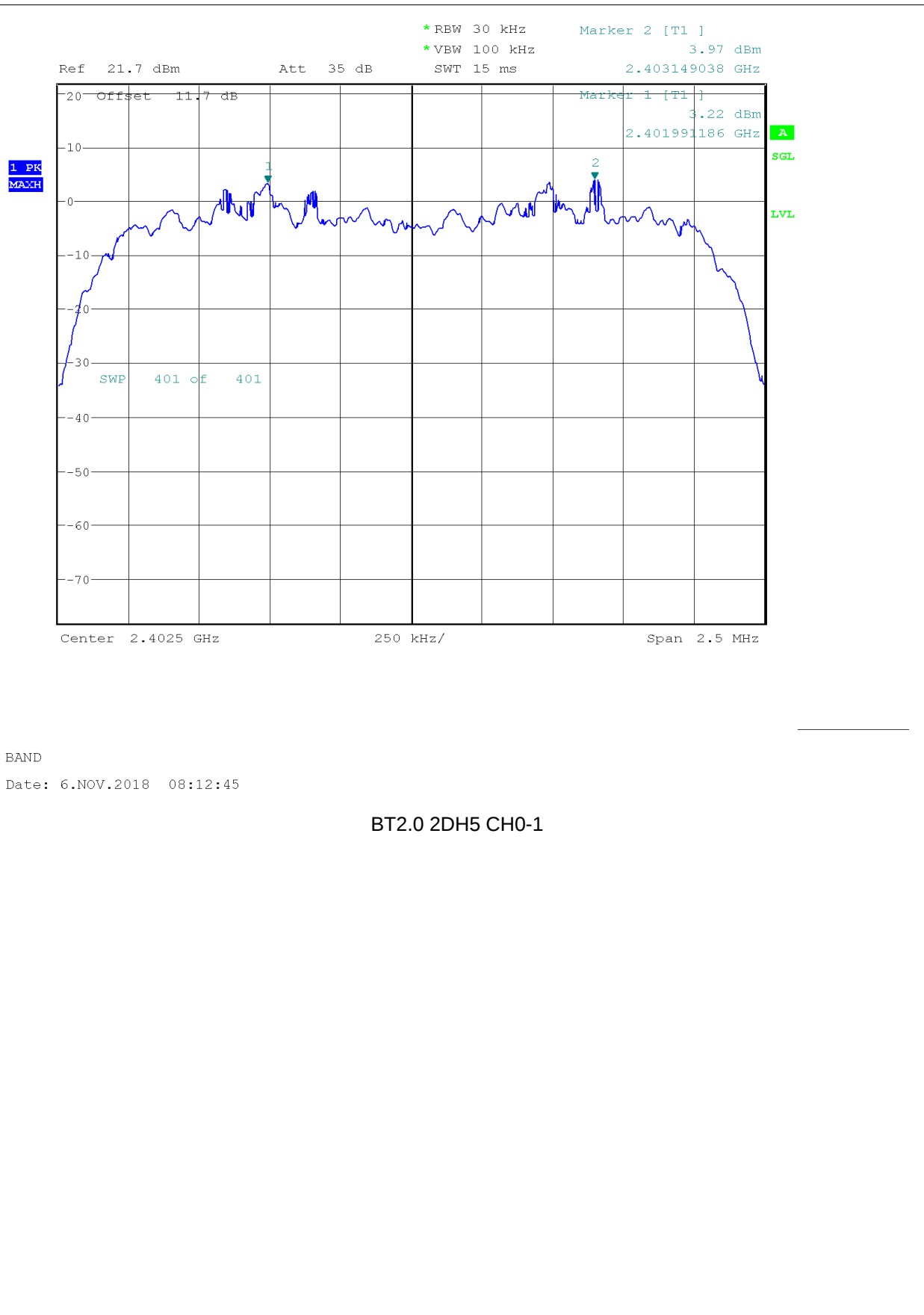




Build Your Dreams!

FCC RF TEST REPORT

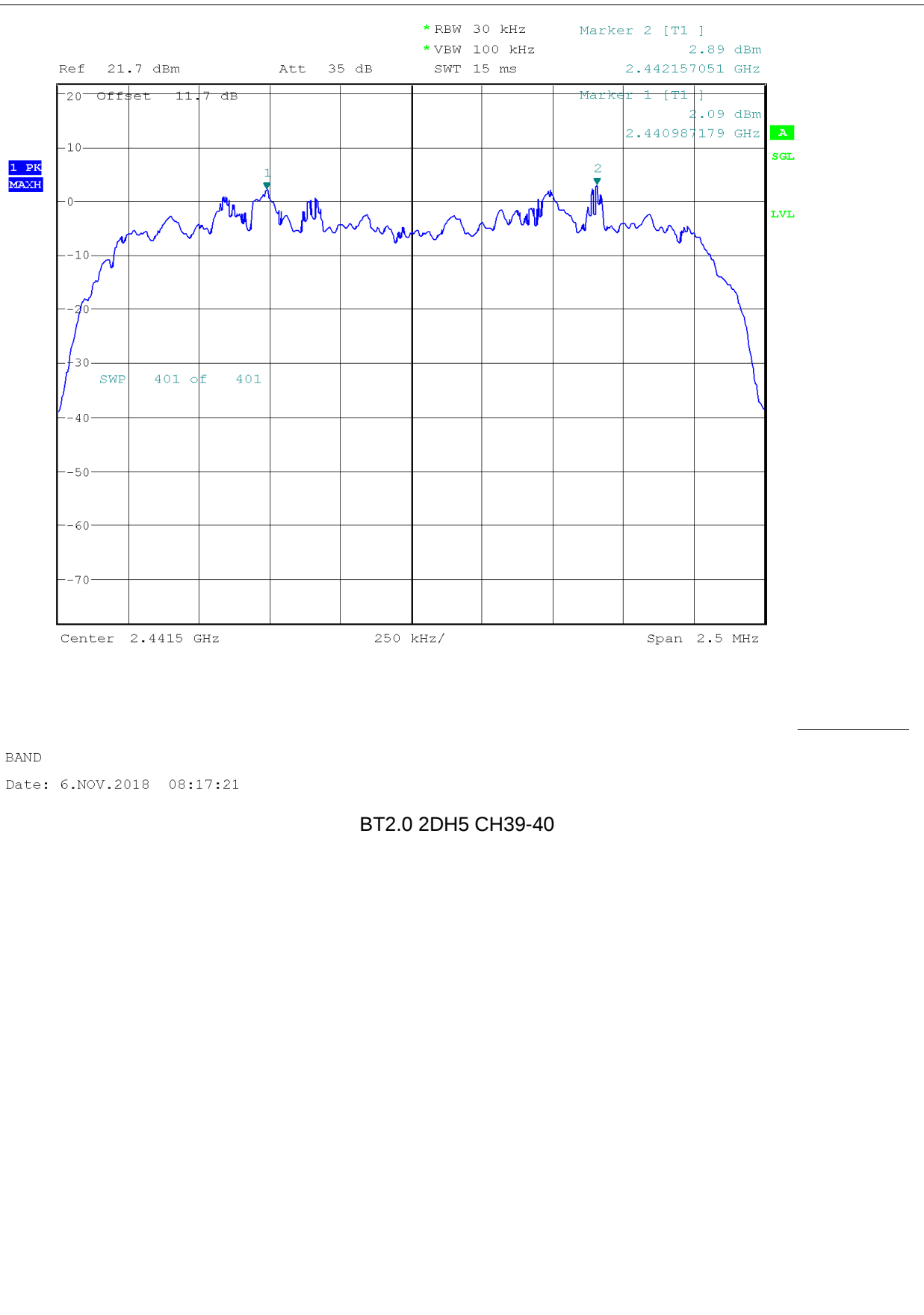






Build Your Dreams!

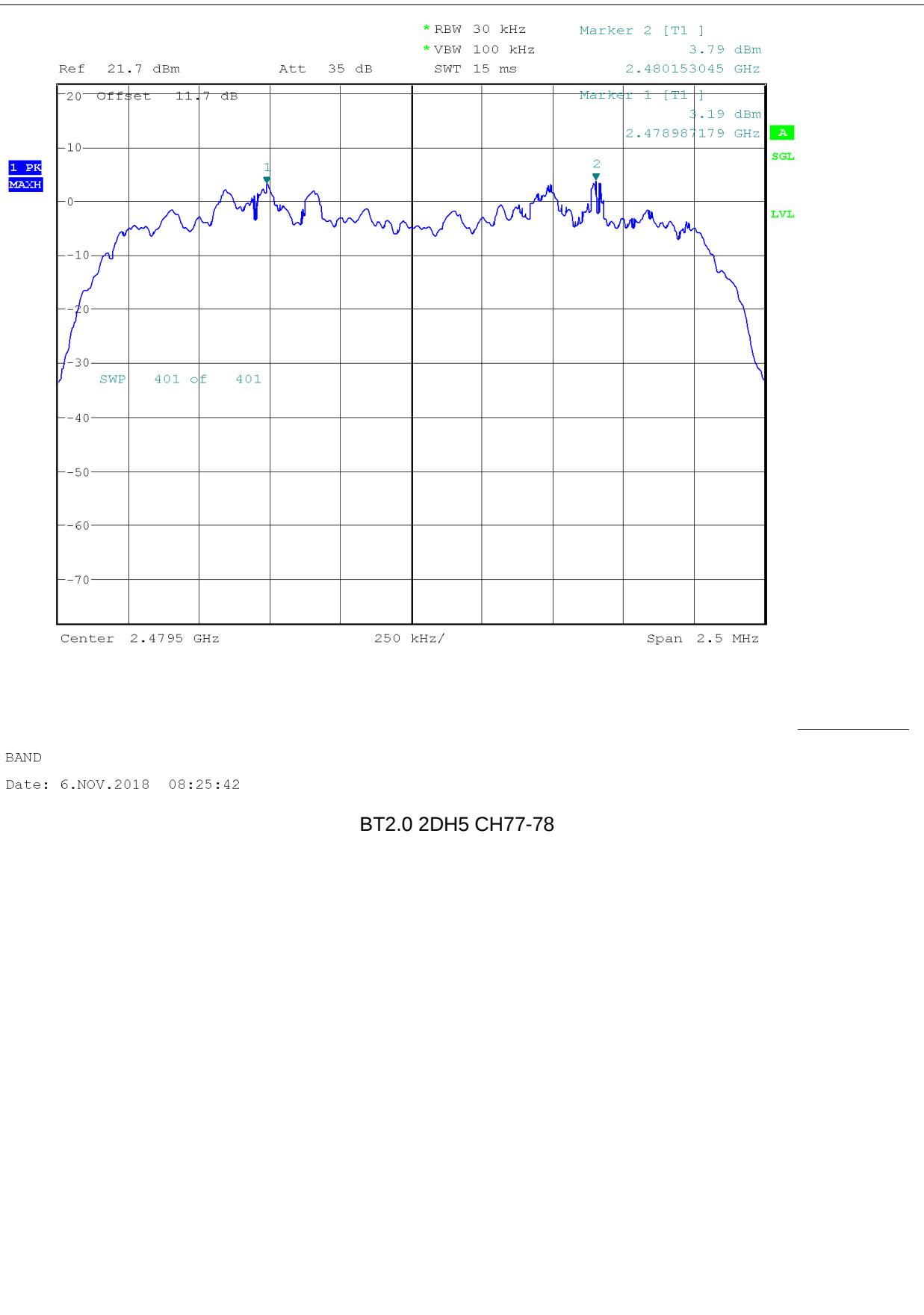
FCC RF TEST REPORT





Build Your Dreams!

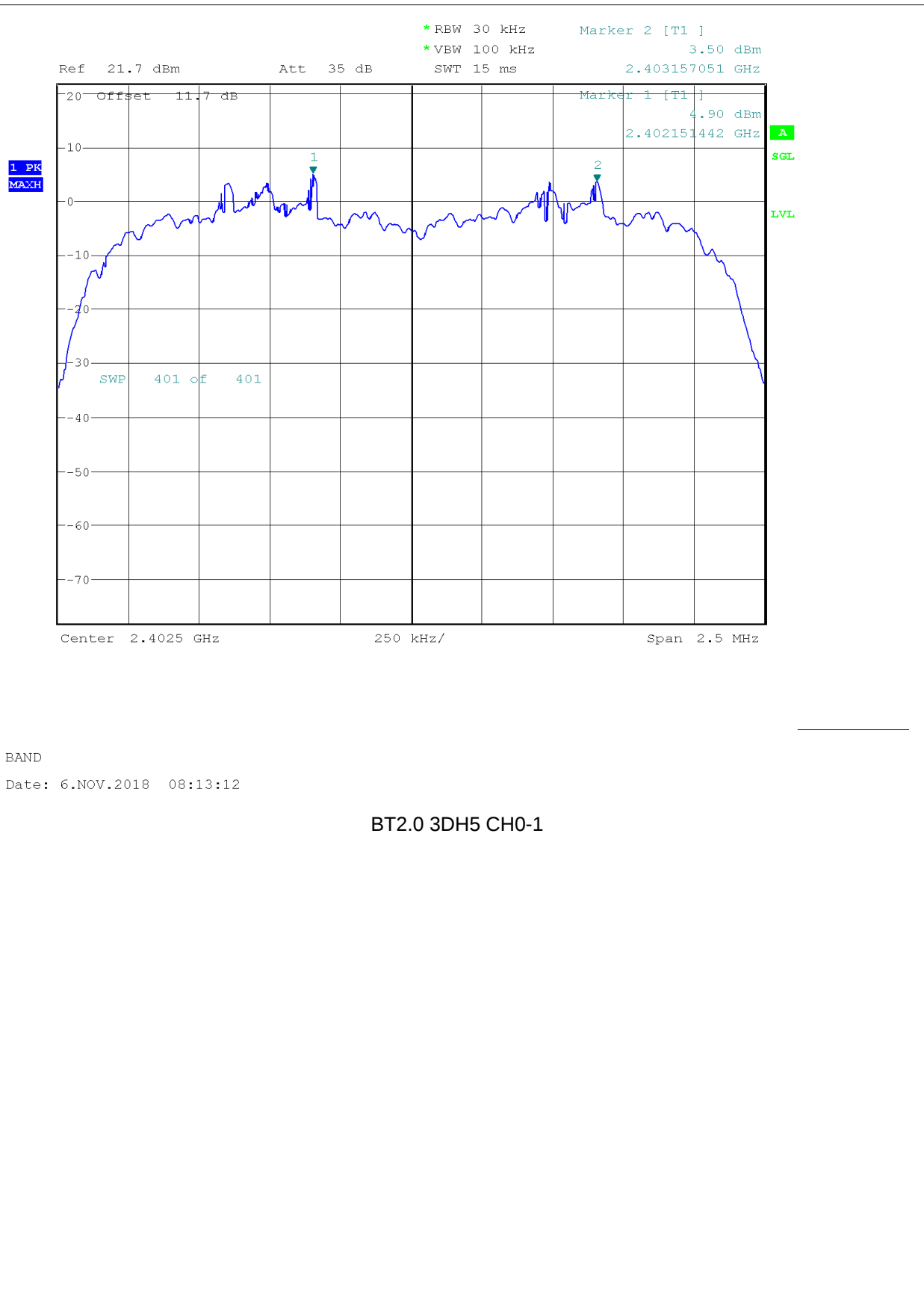
FCC RF TEST REPORT





Build Your Dreams!

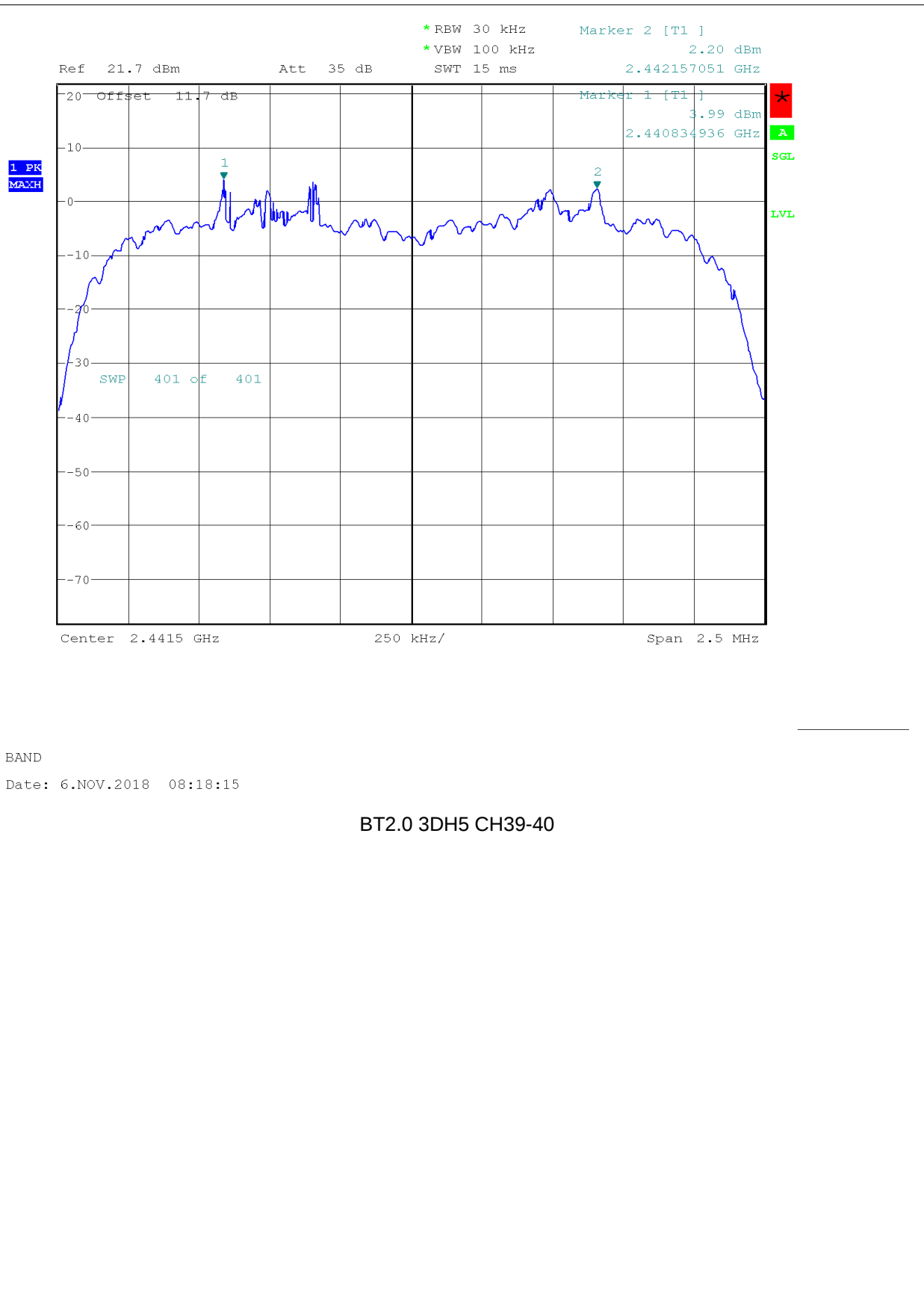
FCC RF TEST REPORT





Build Your Dreams!

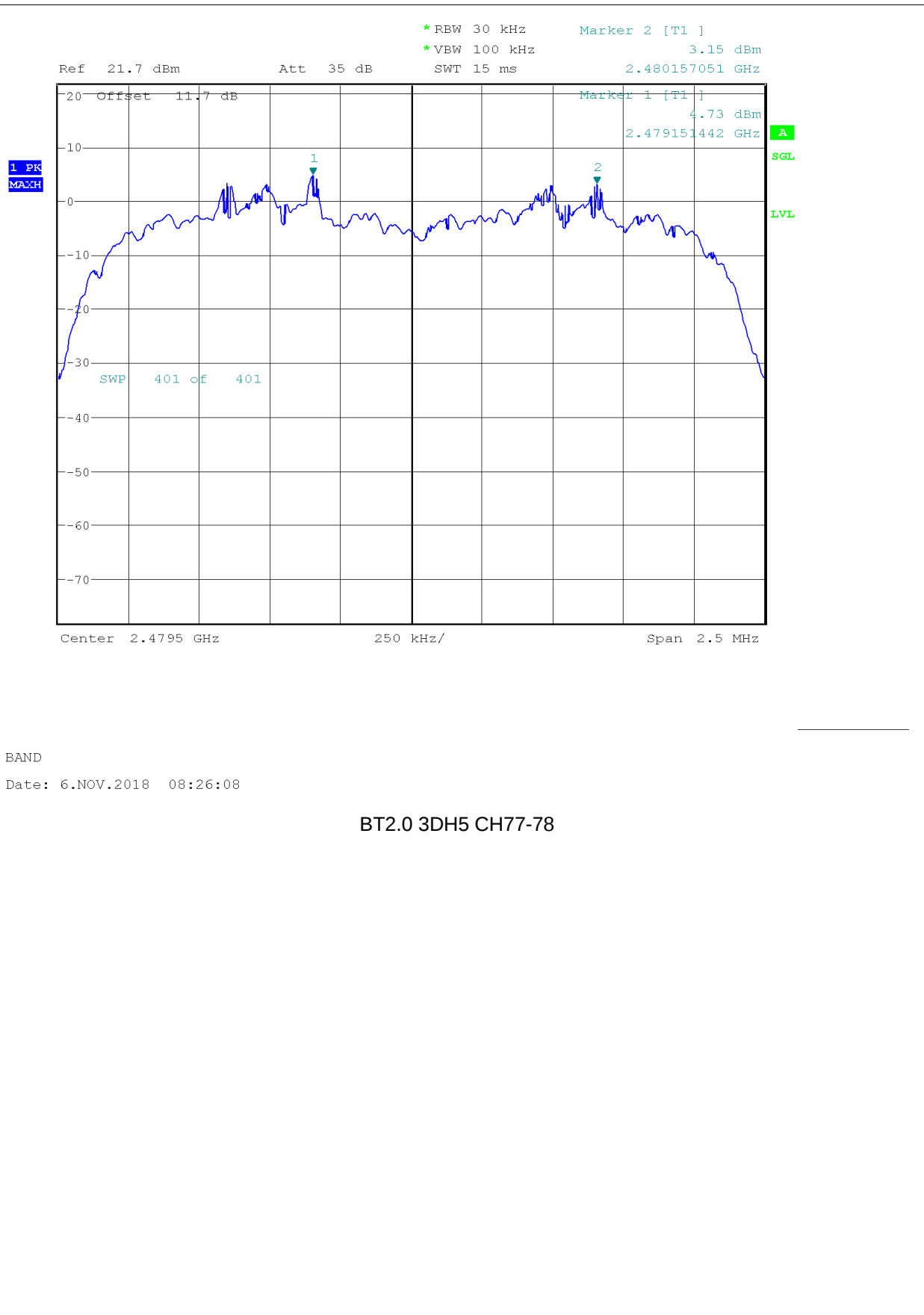
FCC RF TEST REPORT





Build Your Dreams!

FCC RF TEST REPORT



5.3 Dwell Time

5.3.1 Description

The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

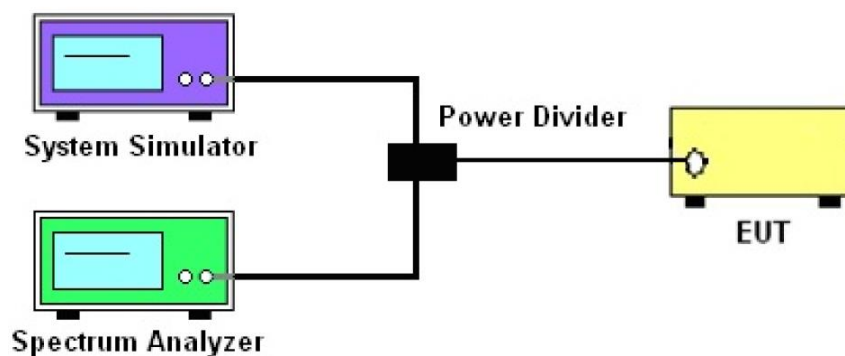
5.3.2 Test Instruments

The measuring equipment is listed in the section 4.1 of this test report.

5.3.3 Test Procedure

- The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss compensated to the results for each measurement.
- Set to the maximum power setting and enable the EUT transmit continuously.
- Enable the EUT hopping function.
- Use the following spectrum analyzer setting: Span=zero span, center on a hopping channel; RBW=1MHz; VBW $\geq$ RBW; Sweep =as necessary to capture the entire dwell time per hopping channel; Detector function = peak; Trace = max hold.
- Record the measurement the results in the test report.

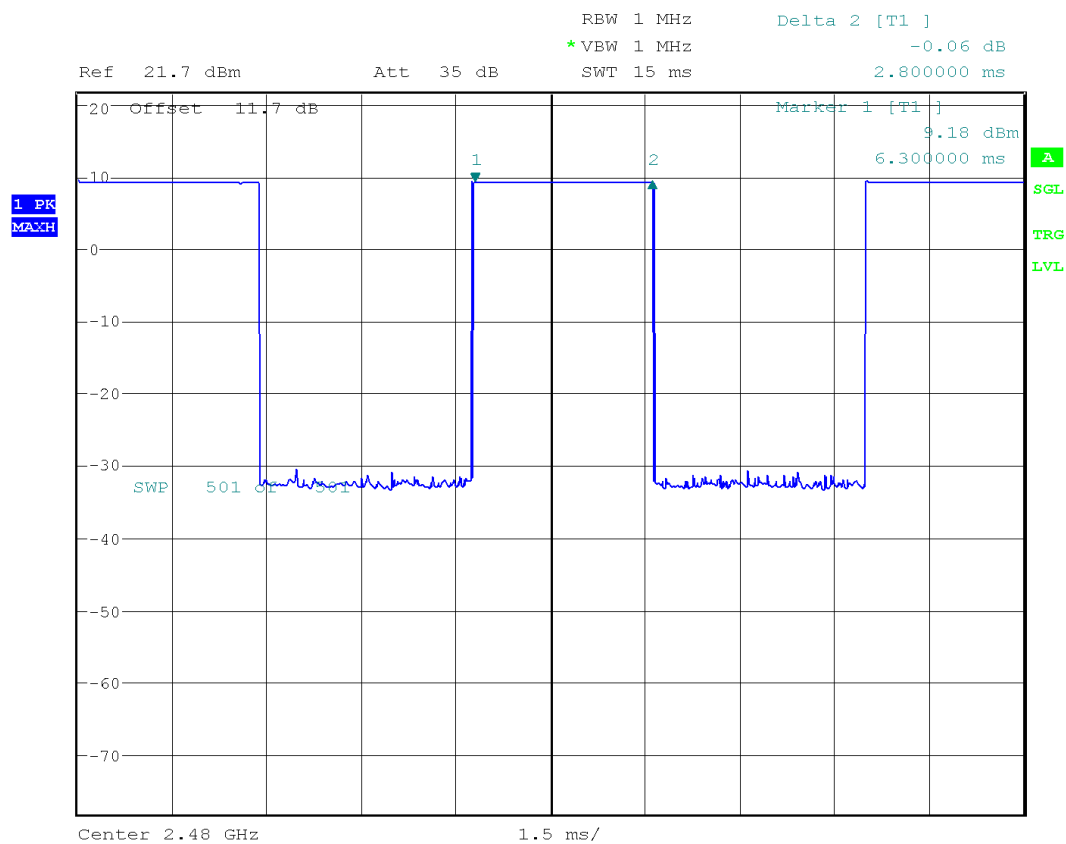
5.3.4 Test Setup





5.3.5 Test Result

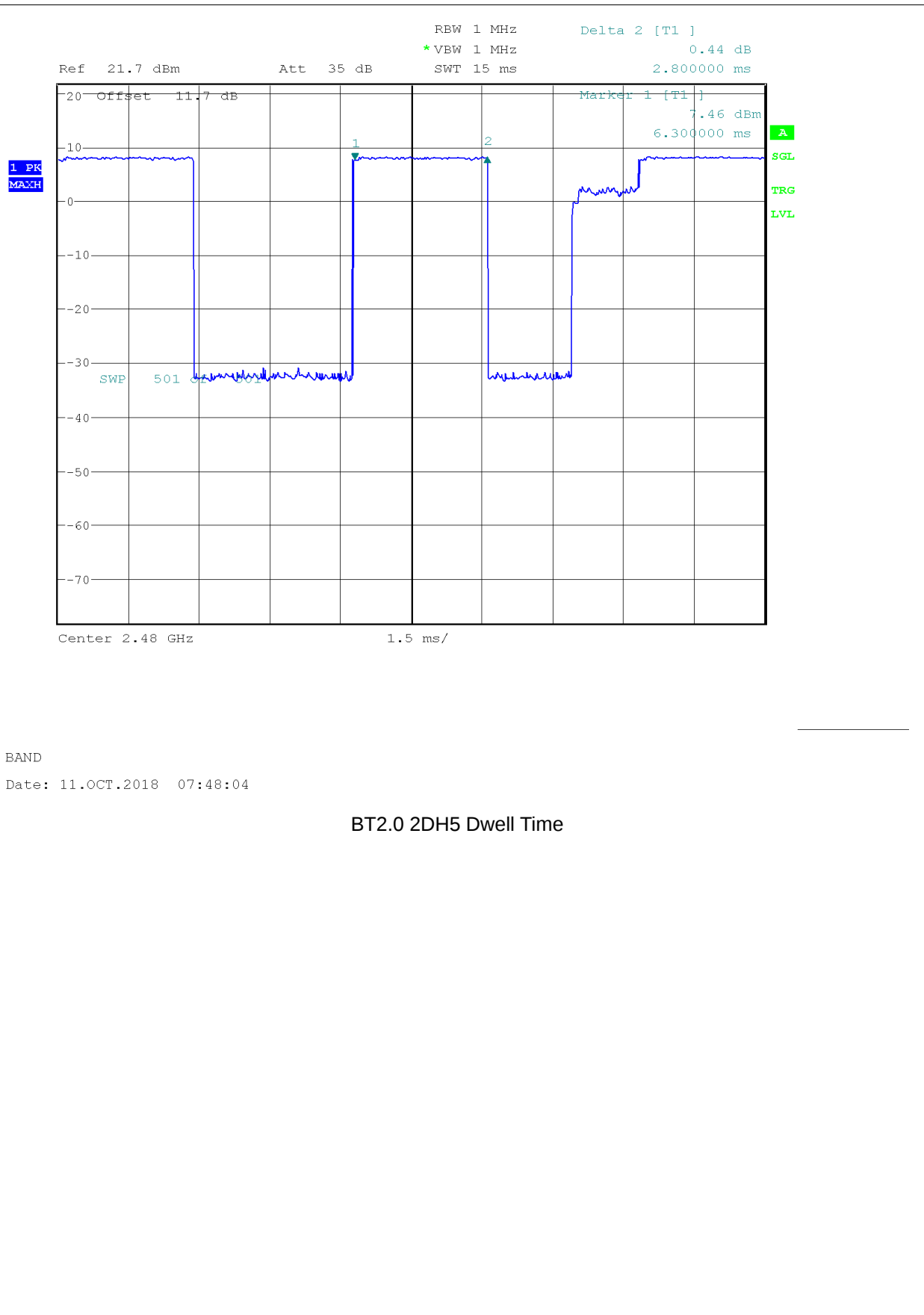
MODE	Number of Hopping Channel	Hops Over Occupany Time(hops)	Package Transfer Time(ms)	Dwell Time(ms)	Limit(ms)	P/F
DH5/NOR	79	106.67	2.80	298.68	400	PASS
2DH5/NOR	79	106.67	2.80	298.68	400	PASS
3DH5/NOR	79	106.67	2.80	298.68	400	PASS



BAND

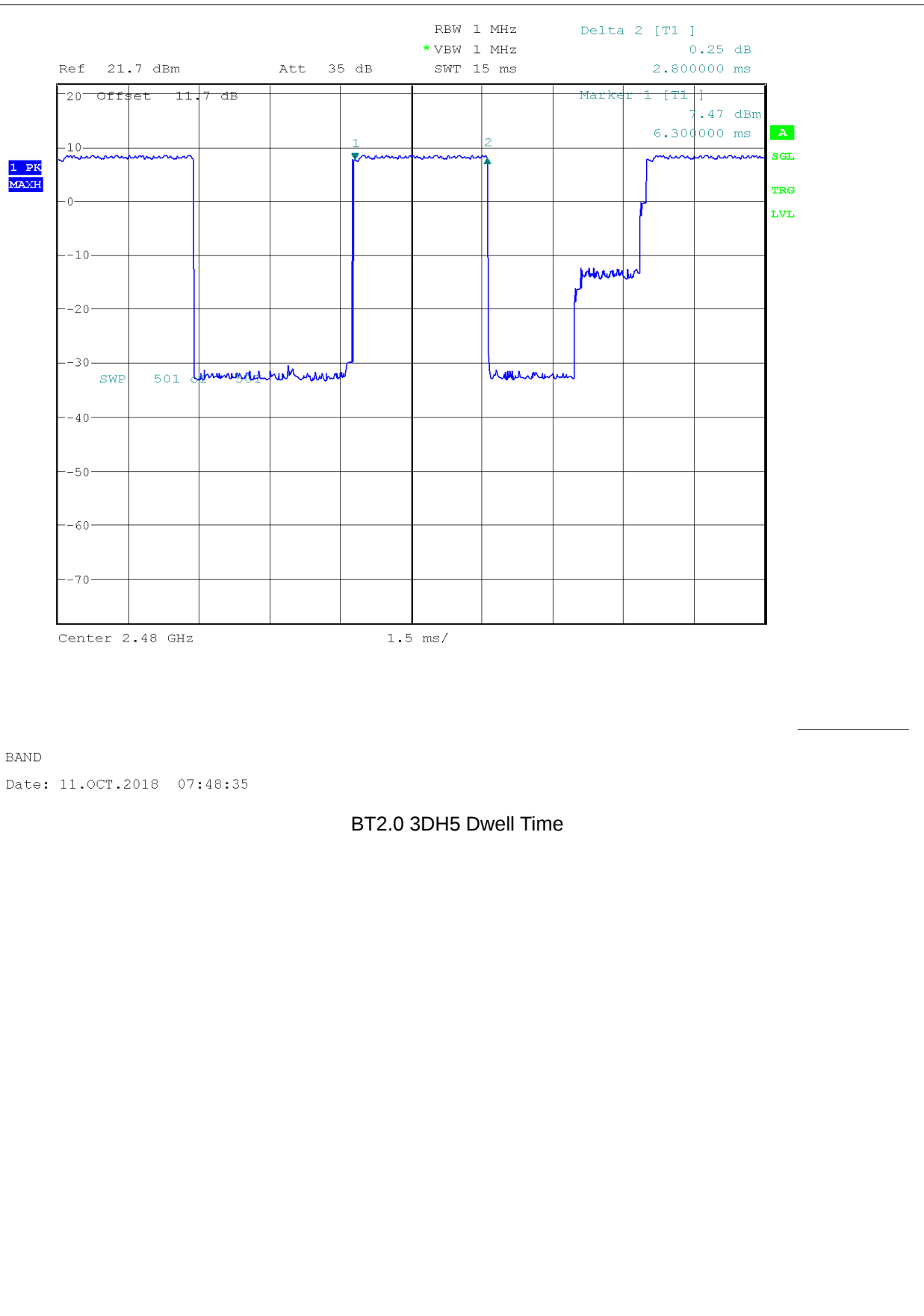
Date: 11.OCT.2018 07:47:32

BT2.0 DH5 Dwell Time



BAND

Date: 11.OCT.2018 07:48:04



BAND

Date: 11.OCT.2018 07:48:35

BT2.0 3DH5 Dwell Time

5.4 20dB and 99% Bandwidth

5.4.1 Description

Reporting only.

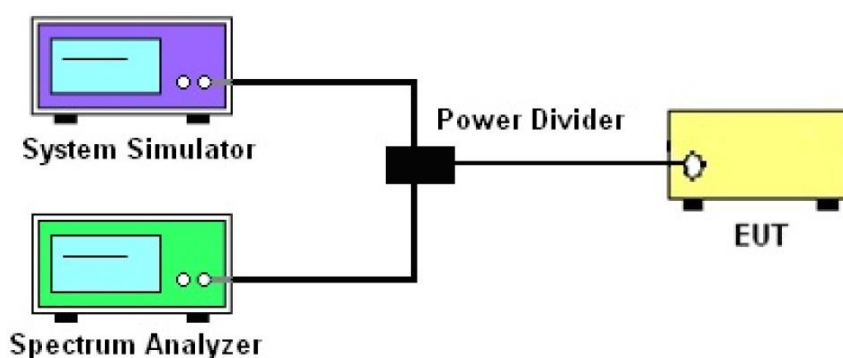
5.4.2 Test Instruments

The measuring equipment is listed in the section 4.1 of this test report.

5.4.3 Test Procedure

- The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss compensated to the results for each measurement.
- Set to the maximum power setting and enable the EUT transmit continuously.
- Use the following spectrum analyzer setting for 20 dB Bandwidth: Span=approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel; RBW $\geq$ 1 % of the 20 dB bandwidth; VBW $\geq$ RBW; Sweep = auto; Detector function = peak; Trace = max hold.
- Use the following spectrum analyzer setting for 99 % Bandwidth: RBW=30kHz; VBW=100kHz; Sweep = auto; Detector function = sample; Trace = max hold.
- Record the measurement the results in the test report.

5.4.4 Test Setup



**5.4.5 Test Result**

DH5		
Channel	Frequency(MHz)	20dB Bandwidth(kHz)
0	2402	865.38
39	2441	948.72
78	2480	823.72
2DH5		
Channel	Frequency(MHz)	20dB Bandwidth(kHz)
0	2402	1302.88
39	2441	1298.08
78	2480	1283.65
3DH5		
Channel	Frequency(MHz)	20dB Bandwidth(kHz)
0	2402	1283.65
39	2441	1288.46
78	2480	1302.88

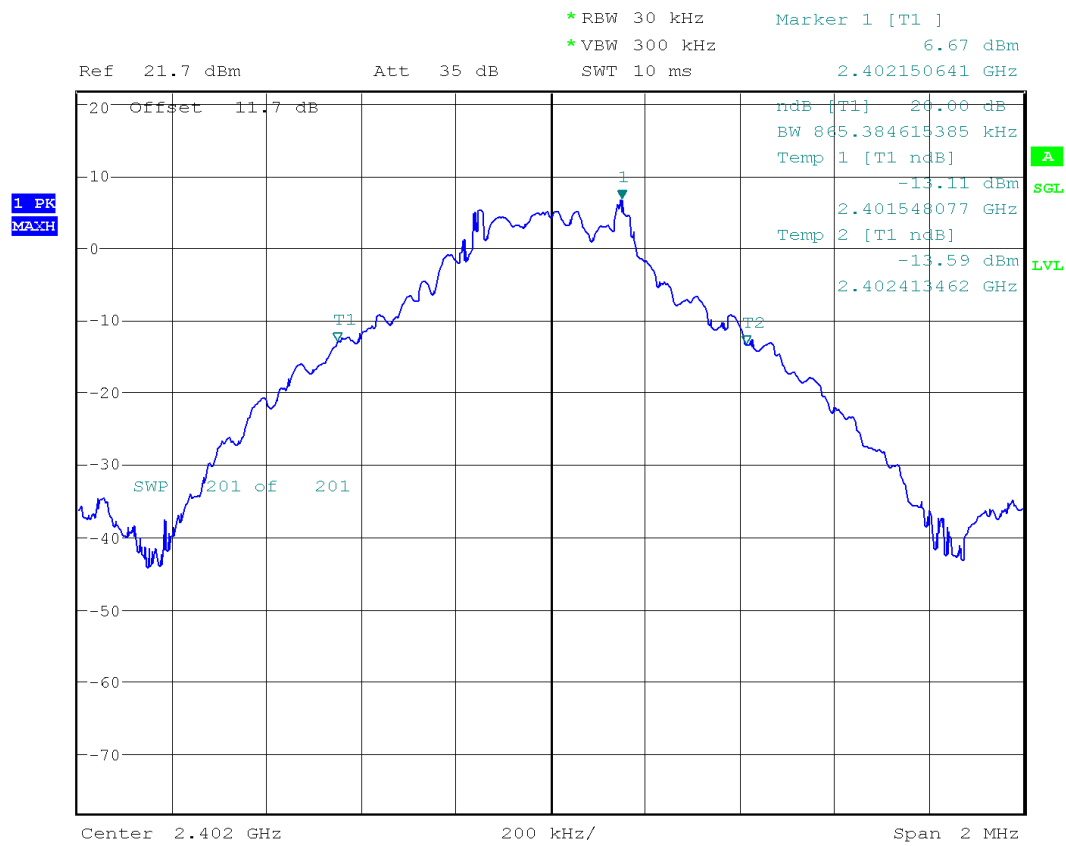
DH5		
Channel	Frequency(MHz)	OBW(kHz)
0	2402	855.77
39	2441	855.77
78	2480	862.18

2DH5		
Channel	Frequency(MHz)	OBW(kHz)
0	2402	1179.49
39	2441	1176.28
78	2480	1185.9

3DH5		
Channel	Frequency(MHz)	OBW(kHz)
0	2402	1185.9
39	2441	1185.9
78	2480	1192.31



20dB Bandwidth:



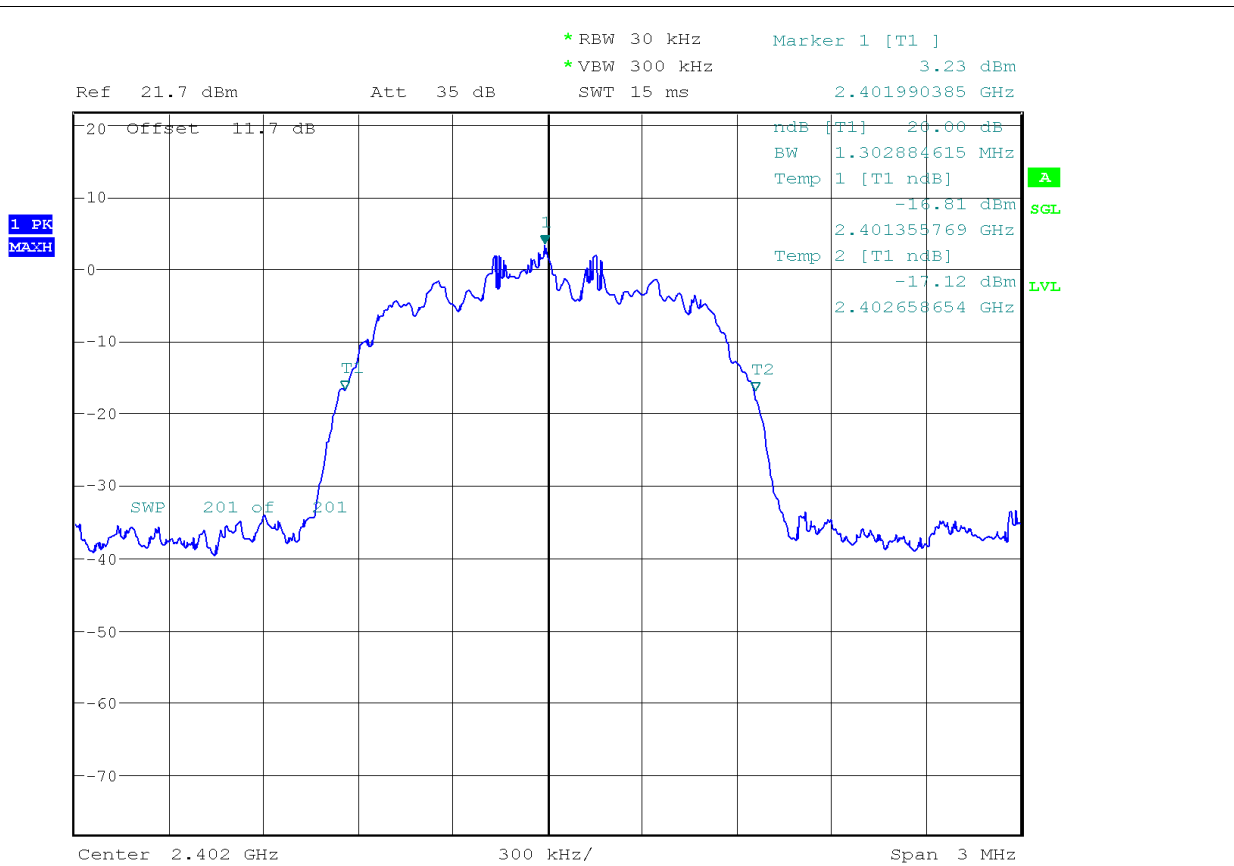
BAND

Date: 6.NOV.2018 08:11:08

BT2.0 DH5 CH0 2402MHz



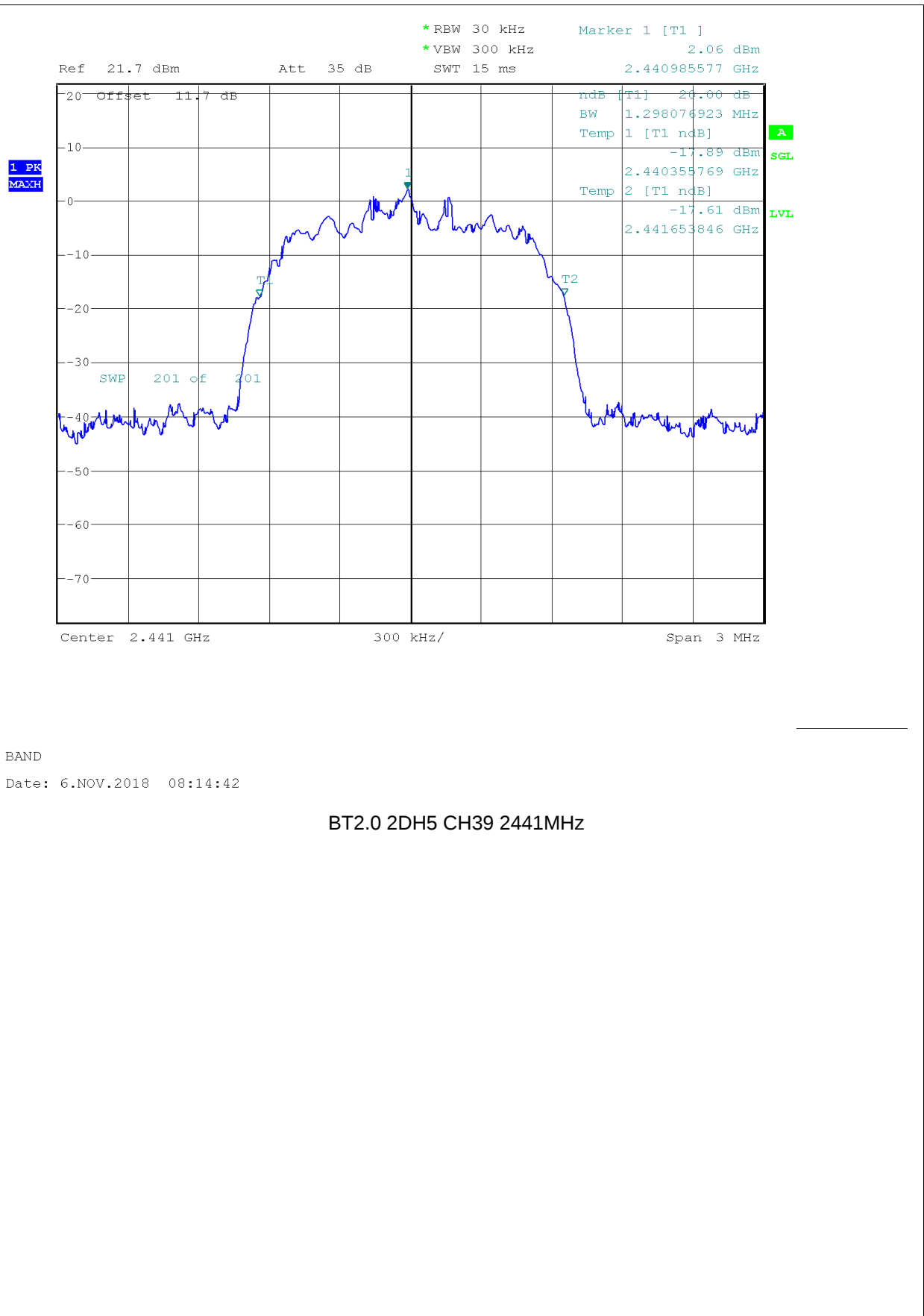




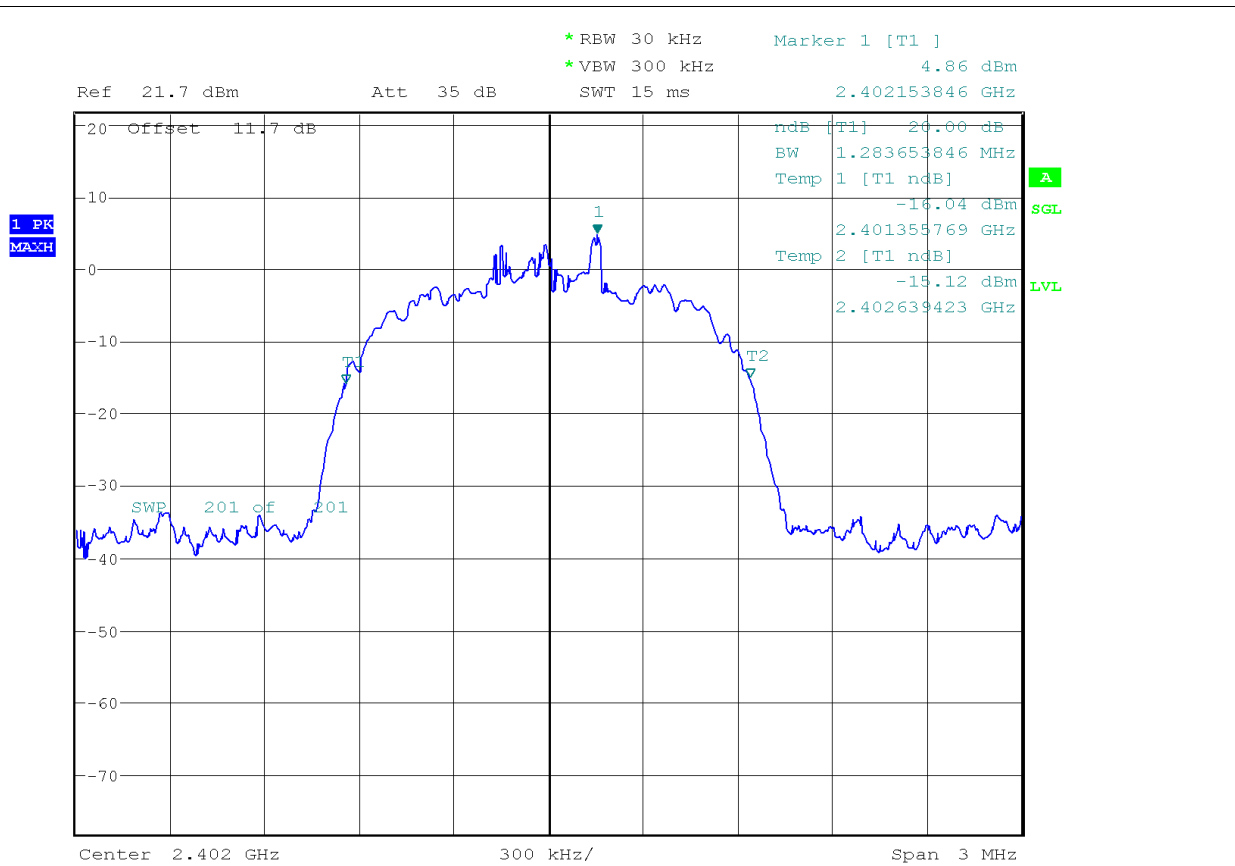
BAND

Date: 6.NOV.2018 08:11:28

BT2.0 2DH5 CH0 2402MHz



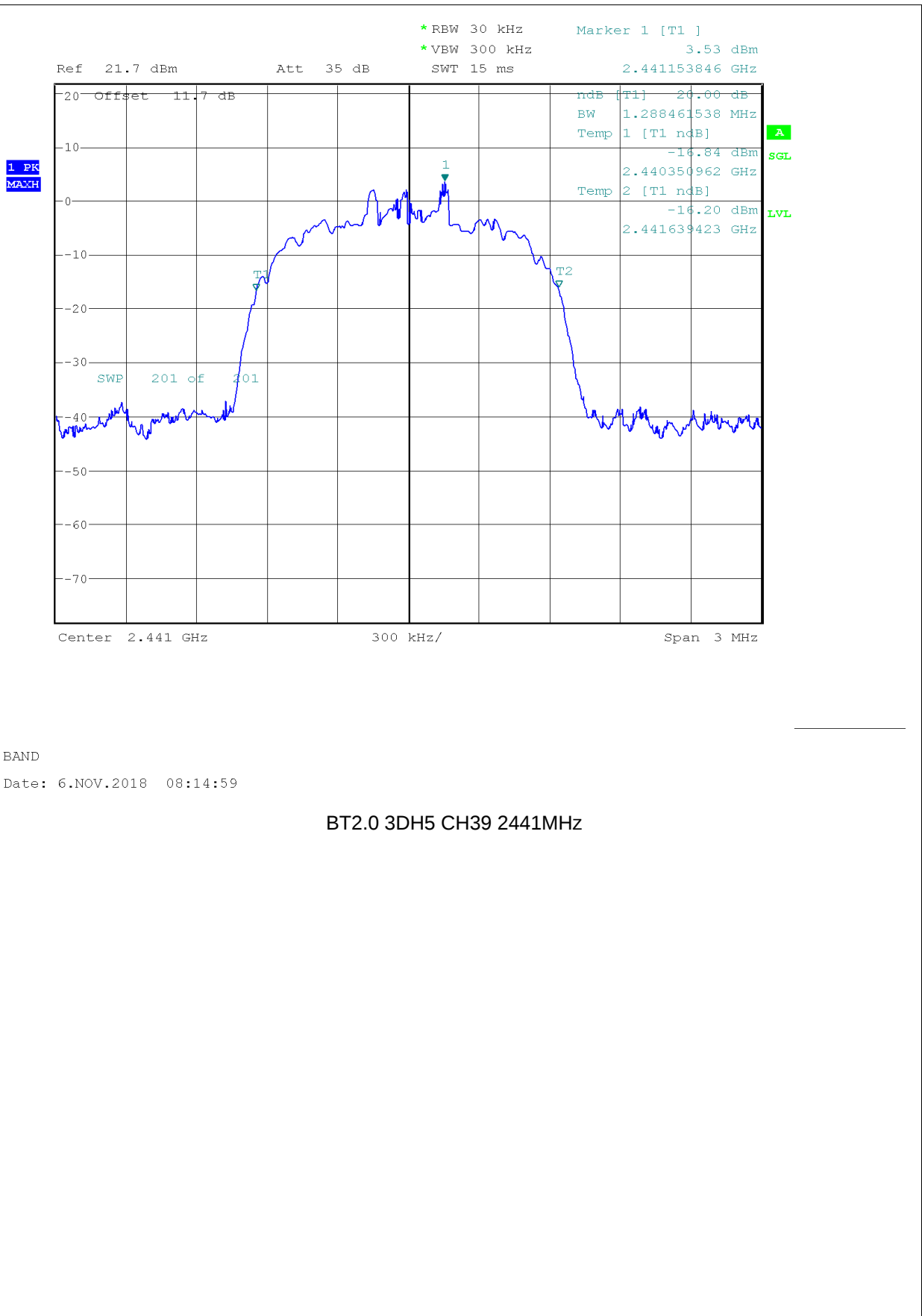




BAND

Date: 6.NOV.2018 08:11:47

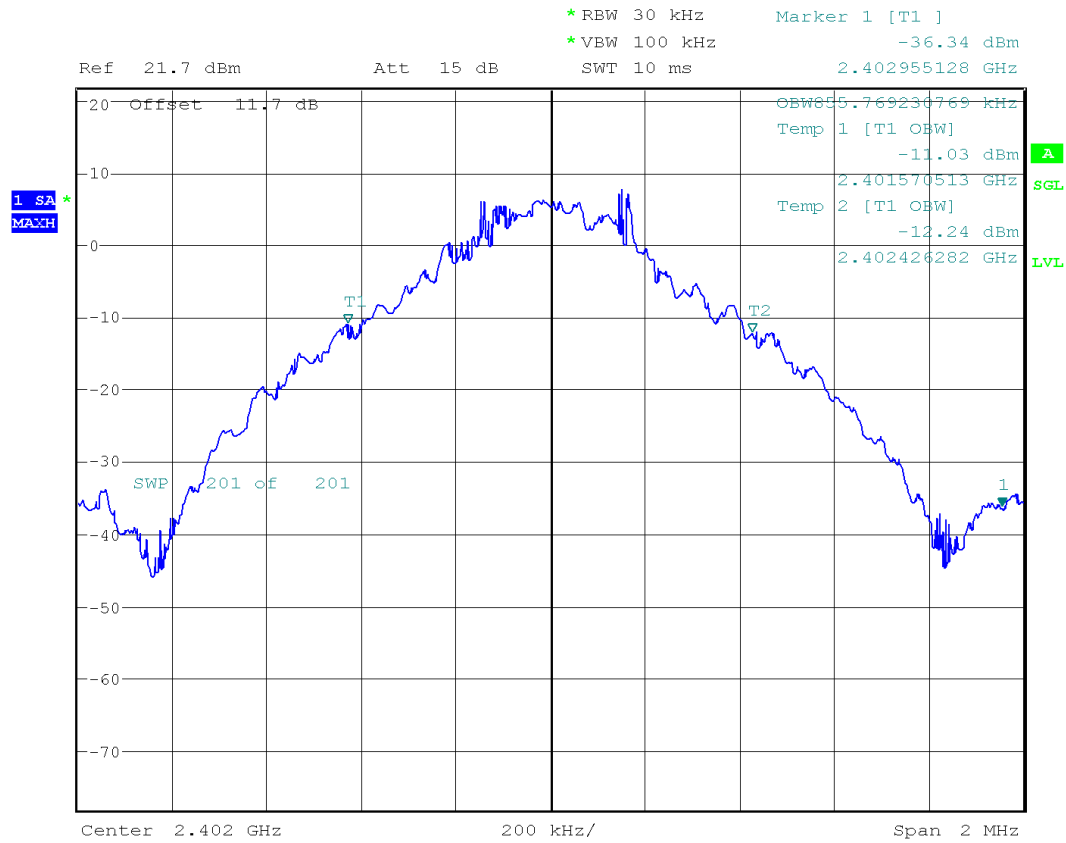
BT2.0 3DH5 CH0 2402MHz







99 % Bandwidth:



BAND

Date: 10.OCT.2018 03:57:17

BT2.0 DH5 CH0 2402MHz



Build Your Dreams!

FCC RF TEST REPORT



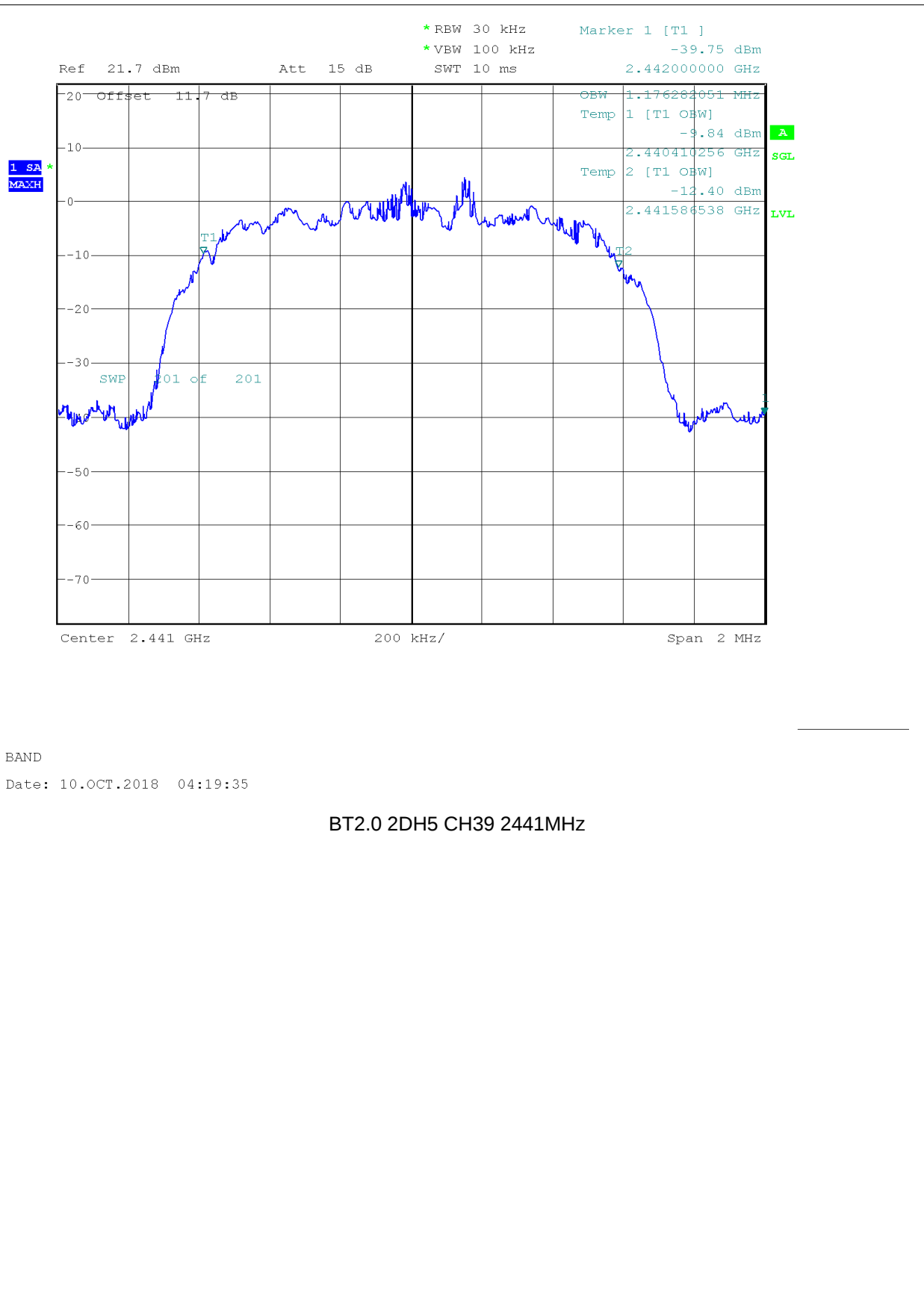






Build Your Dreams!

FCC RF TEST REPORT





Build Your Dreams!

FCC RF TEST REPORT





Build Your Dreams!

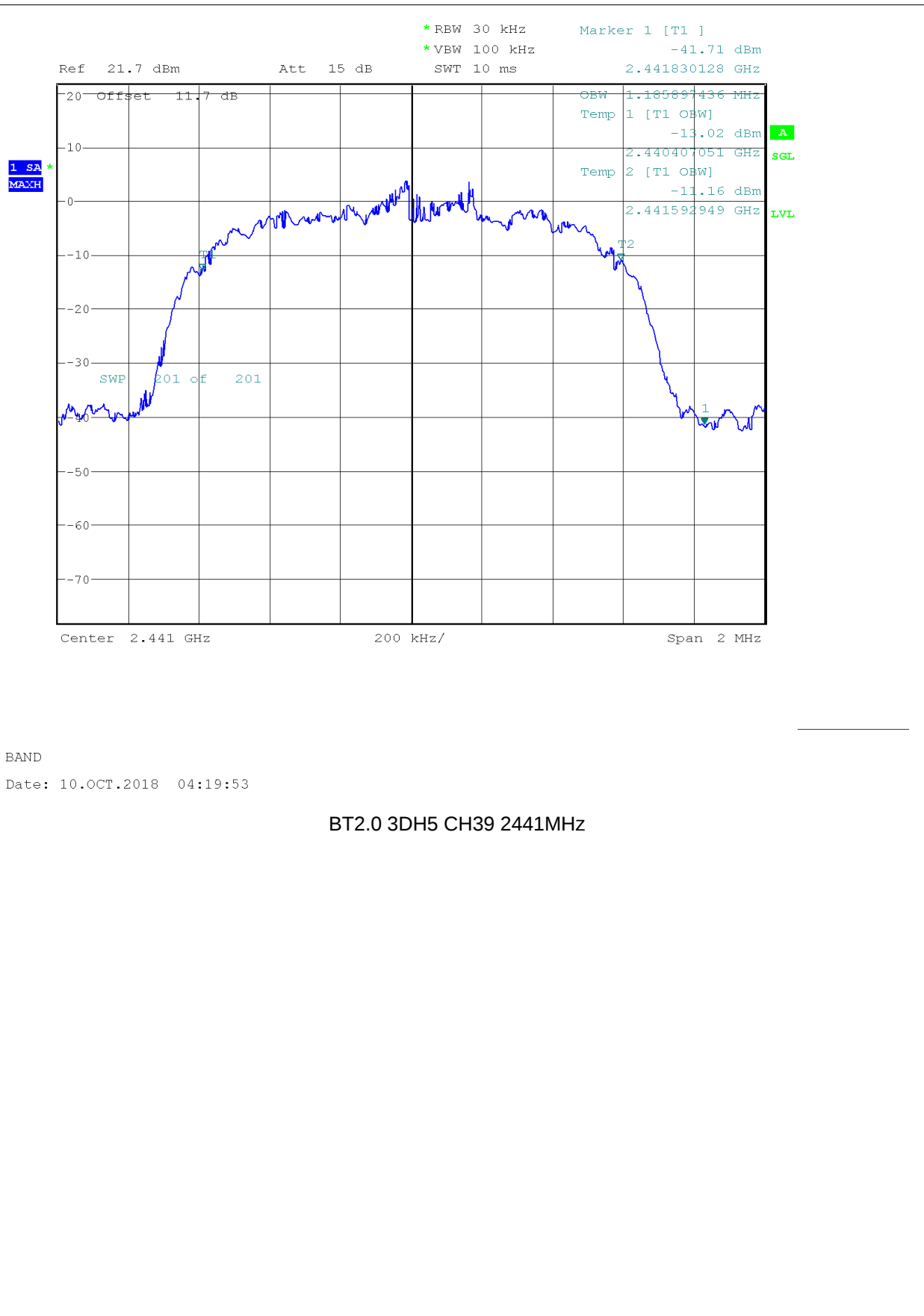
FCC RF TEST REPORT





Build Your Dreams!

FCC RF TEST REPORT





5.5 Peak Output Power

5.5.1 Description

Section 15.247(b) The maximum peak conducted output power of the intentional radiator shall not exceed the following: (1) For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850MHz band:1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band 0.125 watts.

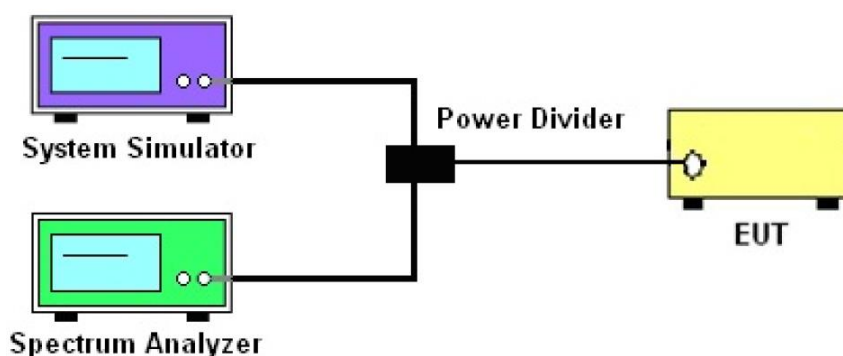
5.5.2 Test Instruments

The measuring equipment is listed in the section 4.1 of this test report.

5.5.3 Test Procedure

- The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss compensated to the results for each measurement.
- Set to the maximum power setting and enable the EUT transmit continuously.
- Measure the conducted output power with cable loss and record the results in the test report.
- Record the measurement the results in the test report.

5.5.4 Test Setup



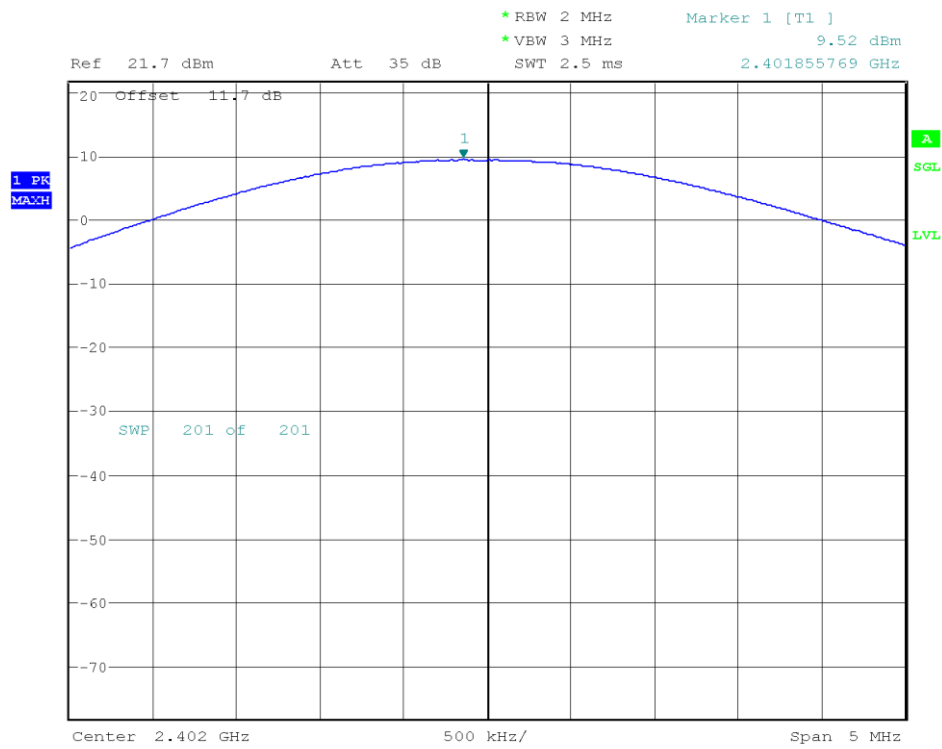


5.5.5 Test Result

DH5				
Channel	Frequency(MHz)	Power(dBm)	Limit(dBm)	P/F
0	2402	9.52	21	PASS
39	2441	9.25	21	PASS
78	2480	9.72	21	PASS

2DH5				
Channel	Frequency(MHz)	Power(dBm)	Limit(dBm)	P/F
0	2402	8.79	21	PASS
39	2441	8.36	21	PASS
78	2480	8.99	21	PASS

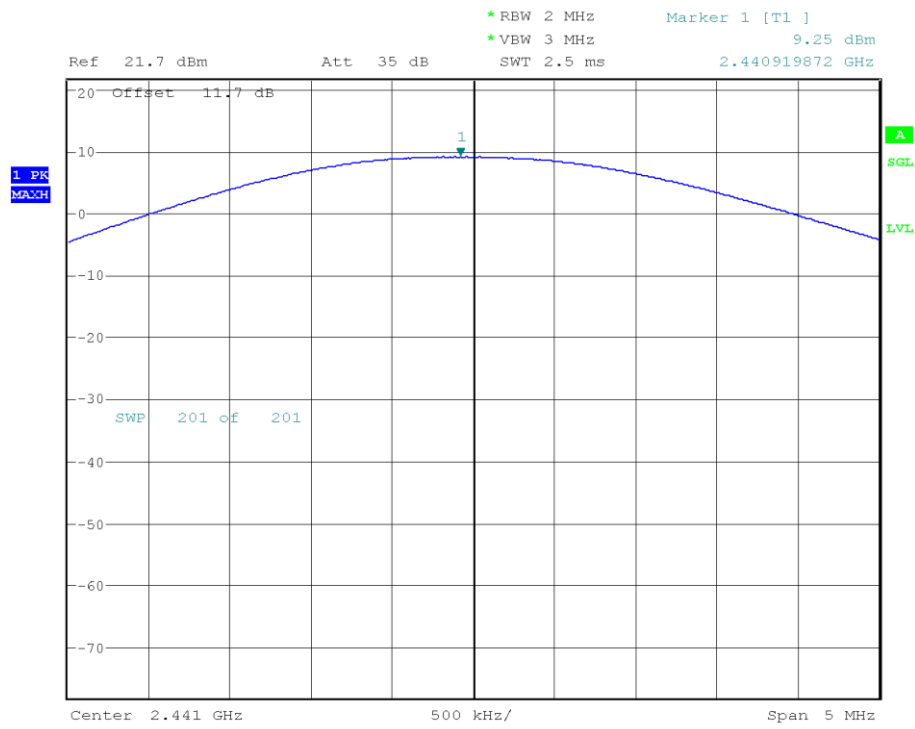
3DH5				
Channel	Frequency(MHz)	Power(dBm)	Limit(dBm)	P/F
0	2402	8.92	21	PASS
39	2441	8.67	21	PASS
78	2480	9.16	21	PASS



BAND

Date: 10.OCT.2018 03:58:06

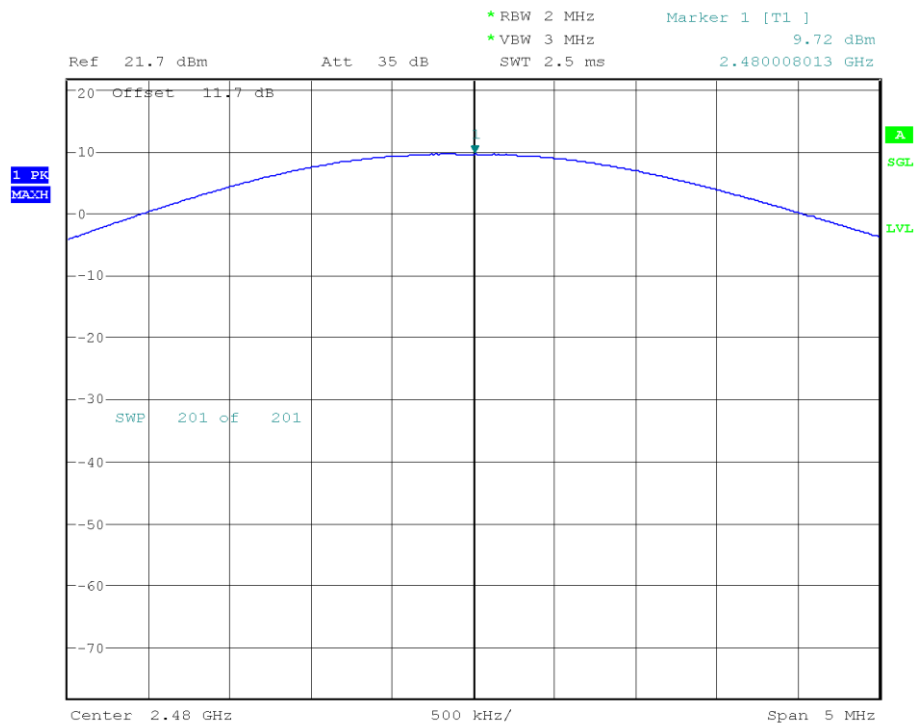
BT2.0 DH5 CH0 2402MHz



BAND

Date: 10.OCT.2018 04:20:05

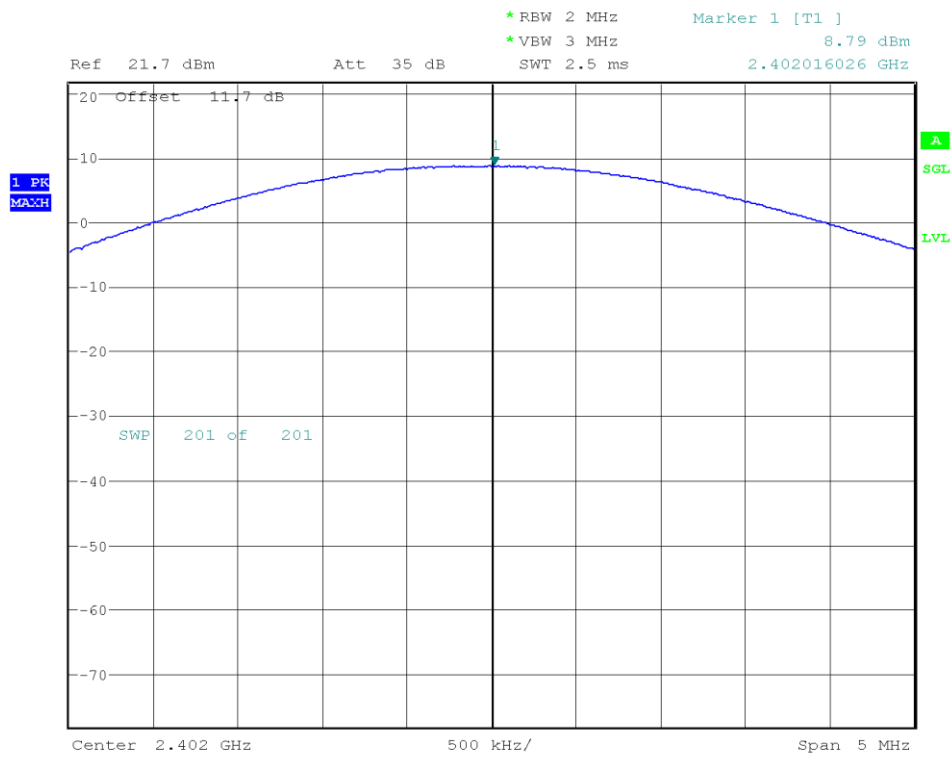
BT2.0 DH5 CH39 2441MHz



BAND

Date: 10.OCT.2018 04:27:25

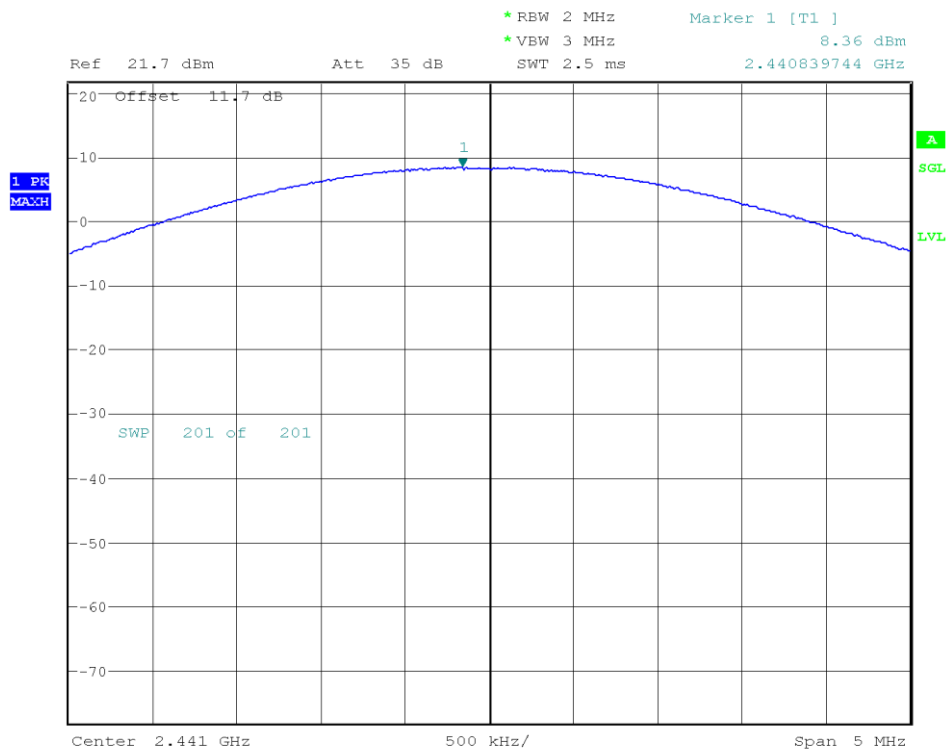
BT2.0 DH5 CH78 2480MHz



BAND

Date: 10.OCT.2018 03:58:17

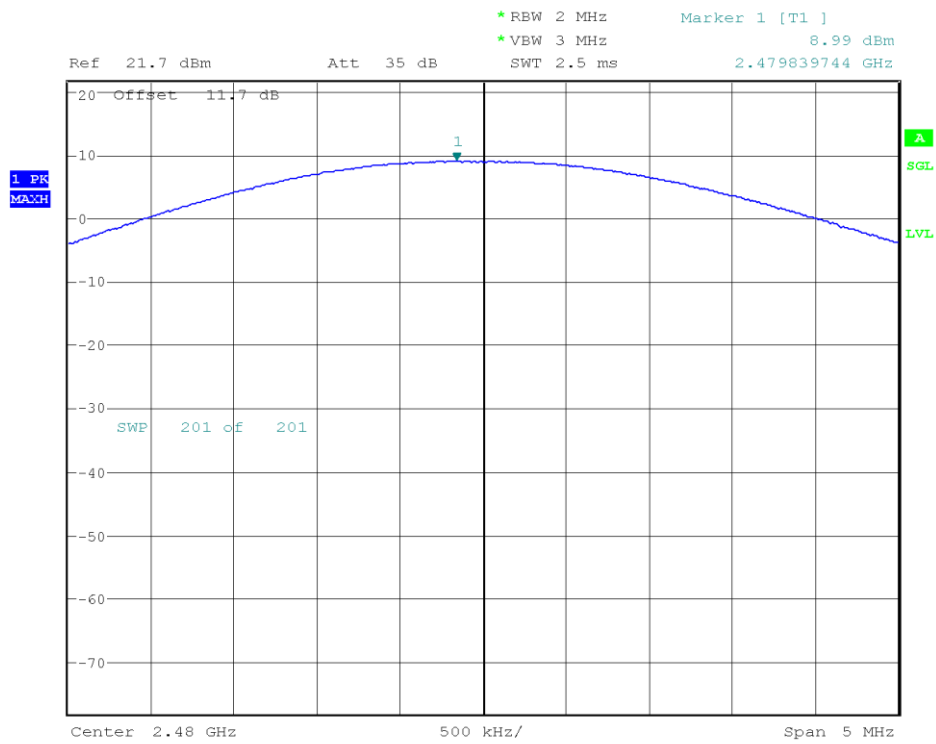
BT2.0 2DH5 CH0 2402MHz



BAND

Date: 10.OCT.2018 04:20:16

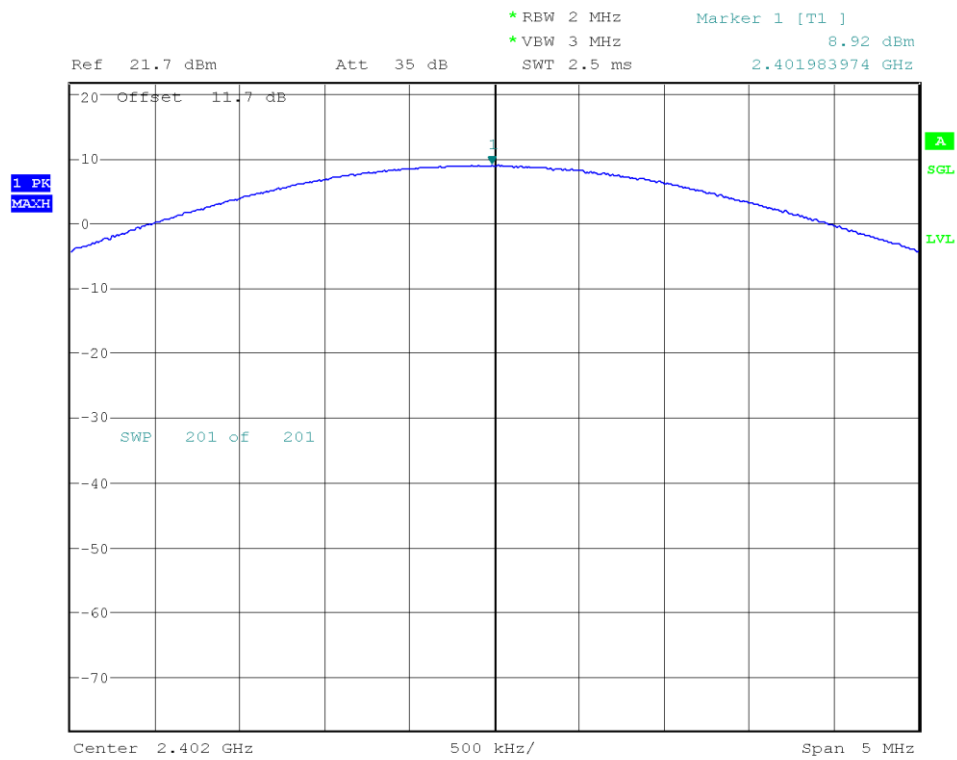
BT2.0 2DH5 CH39 2441MHz



BAND

Date: 10.OCT.2018 04:27:36

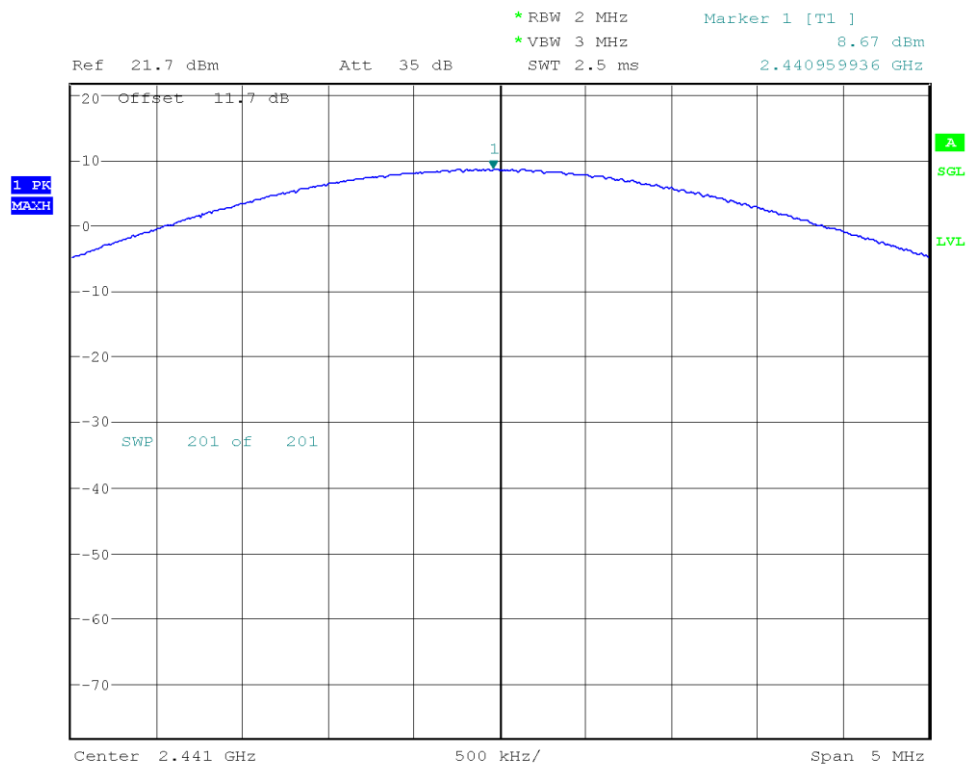
BT2.0 2DH5 CH78 2480MHz



BAND

Date: 10.OCT.2018 03:58:28

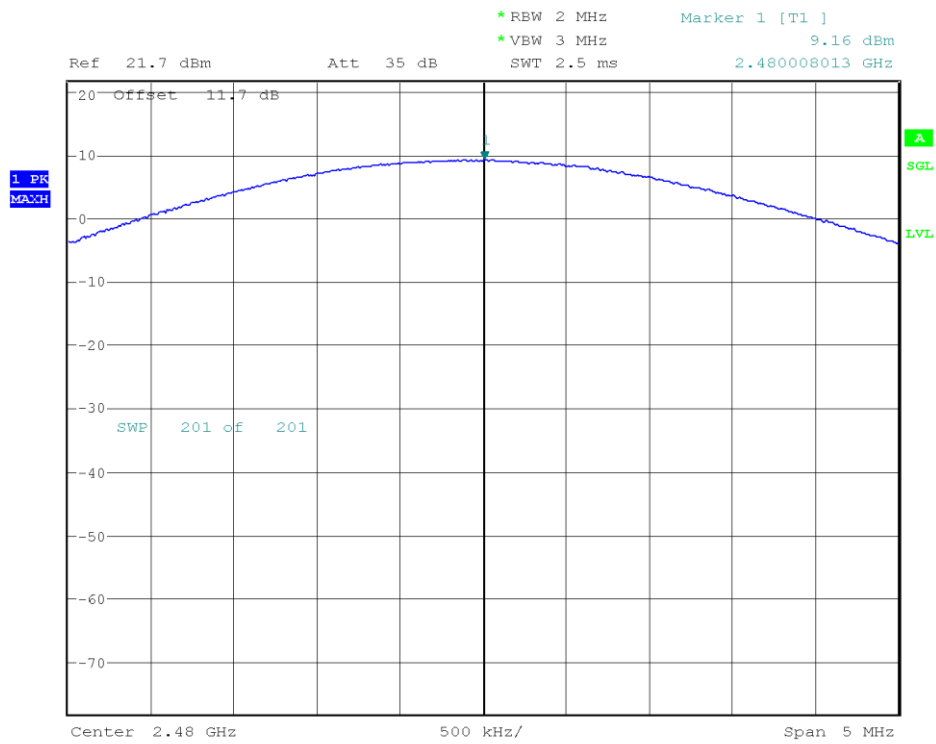
BT2.0 3DH5 CH0 2402MHz



BAND

Date: 10.OCT.2018 04:20:28

BT2.0 3DH5 CH39 2441MHz



BAND

Date: 10.OCT.2018 04:27:48

BT2.0 3DH5 CH78 2480MHz

5.6 Band Edges

5.6.1 Description

In any 100kHz bandwidth outside the intentional radiation frequency band, the radio frequency power shall be at least 20 dB below the highest level of the radiated power. In addition, radiated emissions which fall in the restricted bands must also comply with the radiated emission limits.

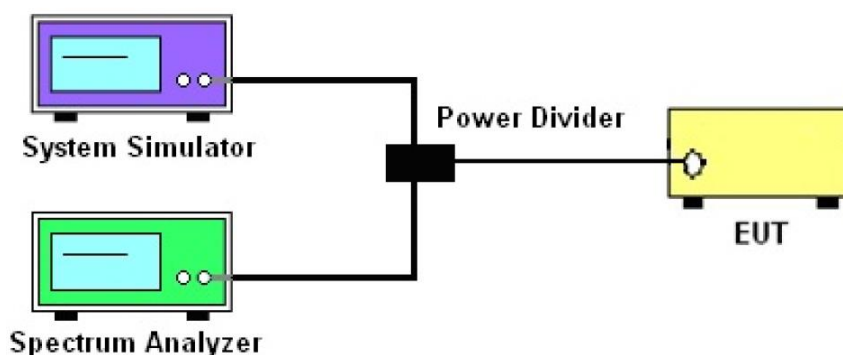
5.6.2 Test Instruments

The measuring equipment is listed in the section 4.1 of this test report.

5.6.3 Test Procedure

- Set to the maximum power setting and enable the EUT transmit continuously.
- Set RBW = 100kHz ($\geq 1\%$ span=10MHz), VBW=300kHz ($\geq$ RBW). Band edge emissions must be at least 20 dB down from the highest emission level within the authorized band as measured with a 100kHz RBW. The attenuation shall be 30 dB instead of 20 dB when RMS conducted output power procedure is used.
- Enable hopping function of the EUT and then repeat step 2. And 3.
- Record the measurement the results in the test report.

5.6.4 Test Setup



**5.6.5 Test Result**

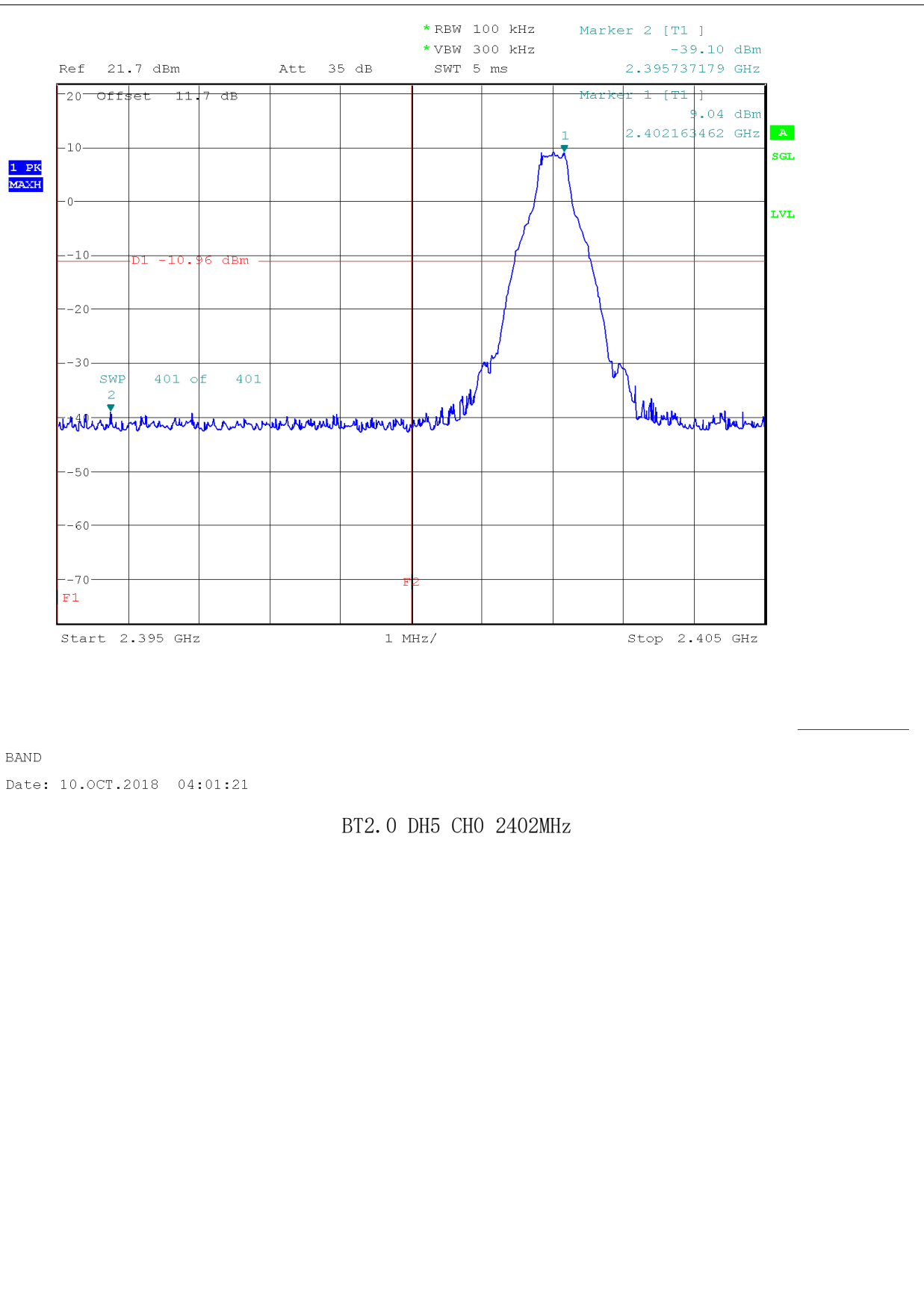
DH5				
Channel	Frequency (MHz)	Band Edge Value(dBm)	Limit(20dBc)	P/F
0	2402	-39.1	-10.96	PASS
78	2480	-38.89	-10.85	PASS
2DH5				
Channel	Frequency (MHz)	Band Edge Value(dBm)	Limit(20dBc)	P/F
0	2402	-38.86	-12.99	PASS
78	2480	-38.83	-12.62	PASS
3DH5				
Channel	Frequency (MHz)	Band Edge Value(dBm)	Limit(20dBc)	P/F
0	2402	-39.7	-12.88	PASS
78	2480	-37.83	-12.57	PASS

DH5(Hopping mode)				
Channel	Frequency (MHz)	Band Edge Value(dBm)	Limit(20dBc)	P/F
0	2402	-39.16	-11.58	PASS
78	2480	-37.8	-11.36	PASS
2DH5(Hopping mode)				
Channel	Frequency (MHz)	Band Edge Value(dBm)	Limit(20dBc)	P/F
0	2402	-38.81	-15.79	PASS
78	2480	-38.6	-12.68	PASS
3DH5(Hopping mode)				
Channel	Frequency (MHz)	Band Edge Value(dBm)	Limit(20dBc)	P/F
0	2402	-38.12	-15.11	PASS
78	2480	-38.84	-14.79	PASS



Build Your Dreams!

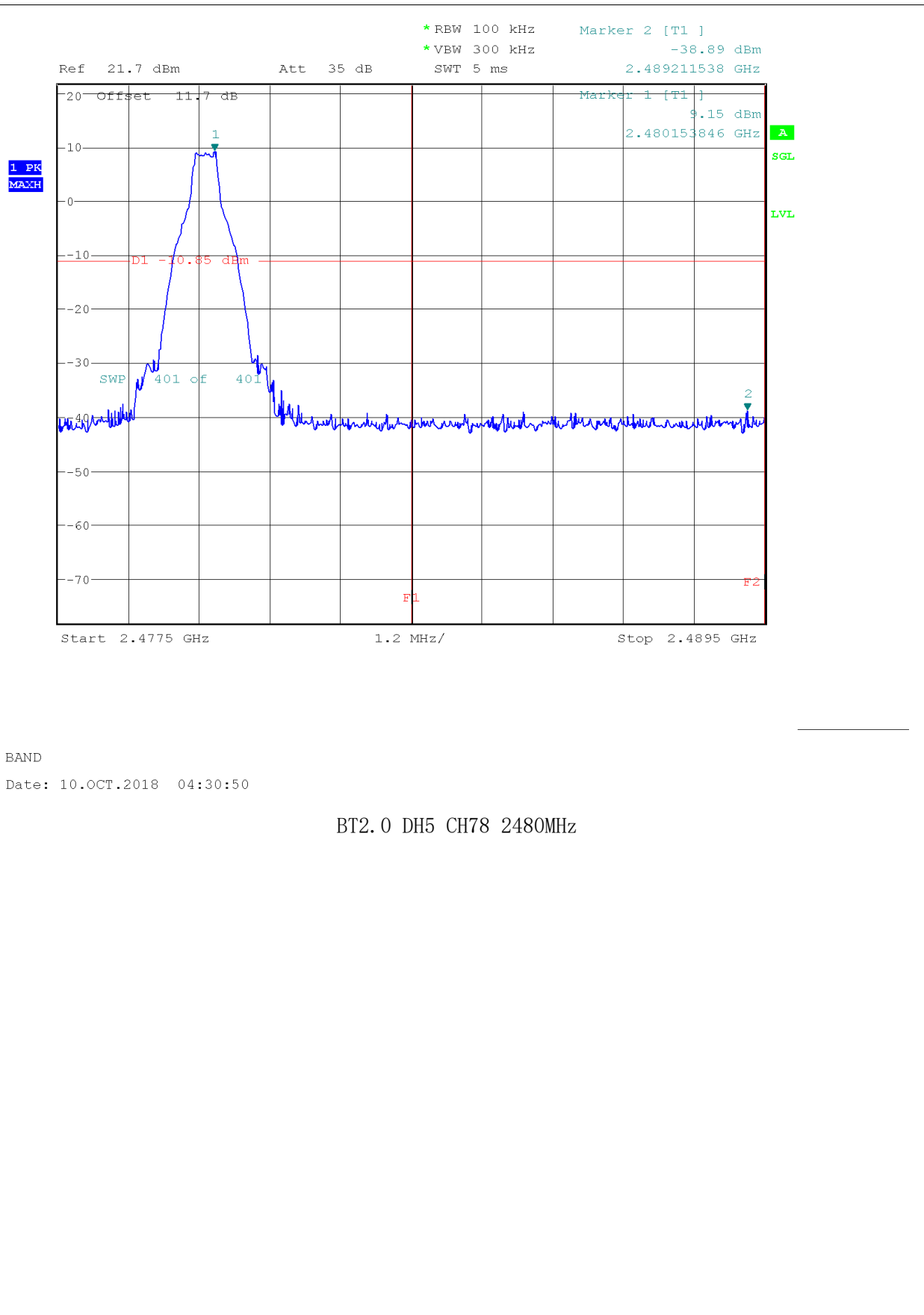
FCC RF TEST REPORT





Build Your Dreams!

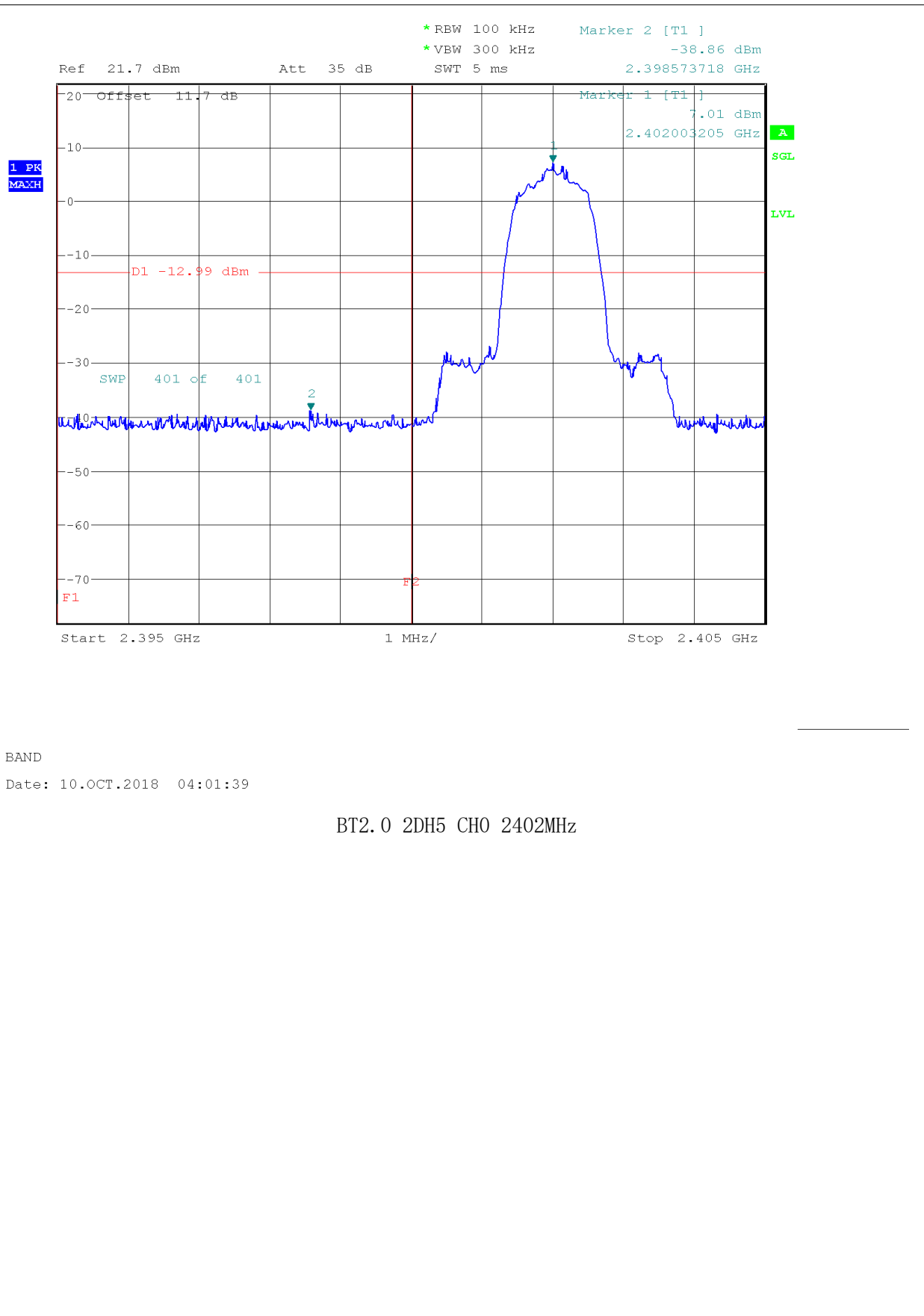
FCC RF TEST REPORT





Build Your Dreams!

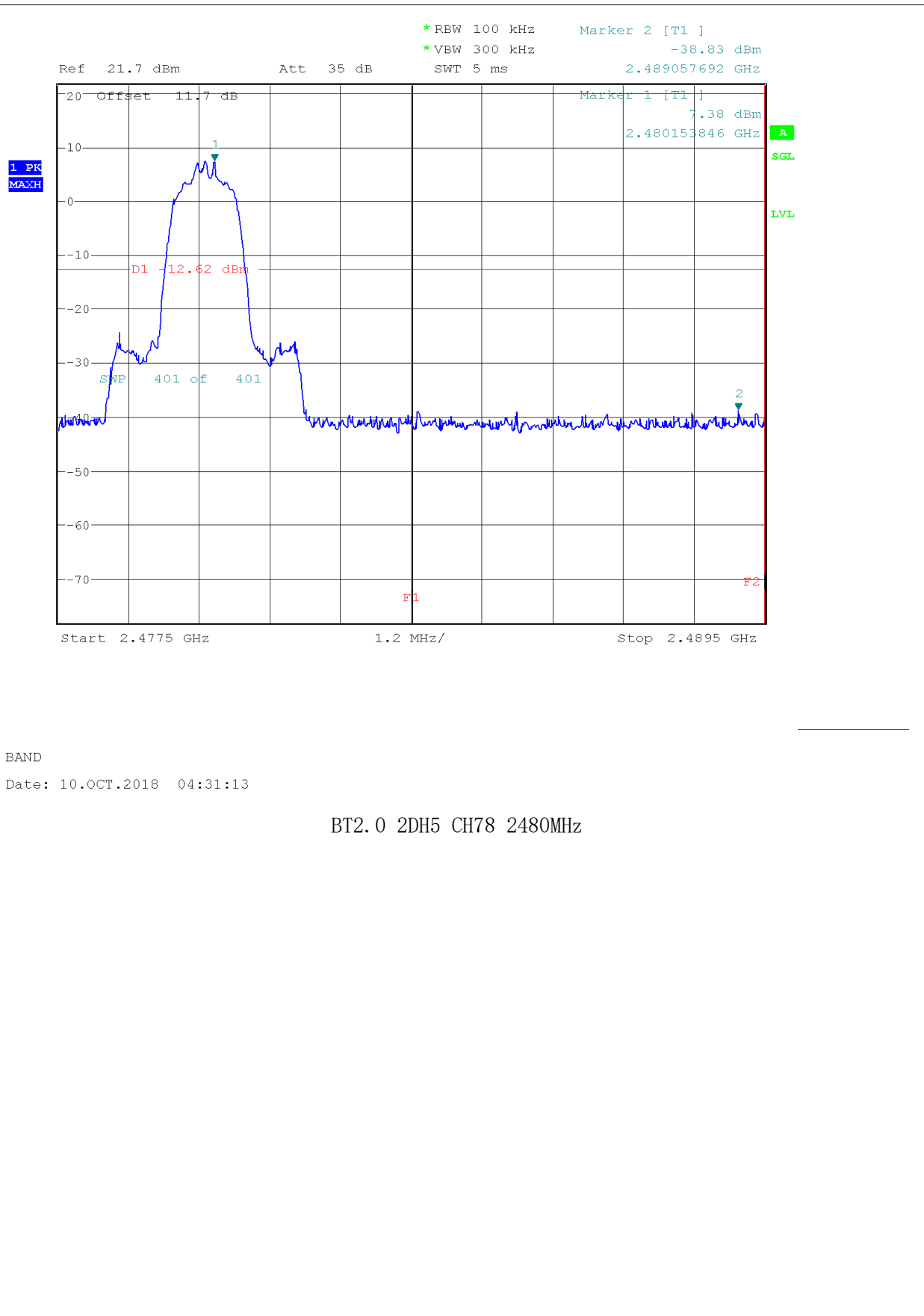
FCC RF TEST REPORT





Build Your Dreams!

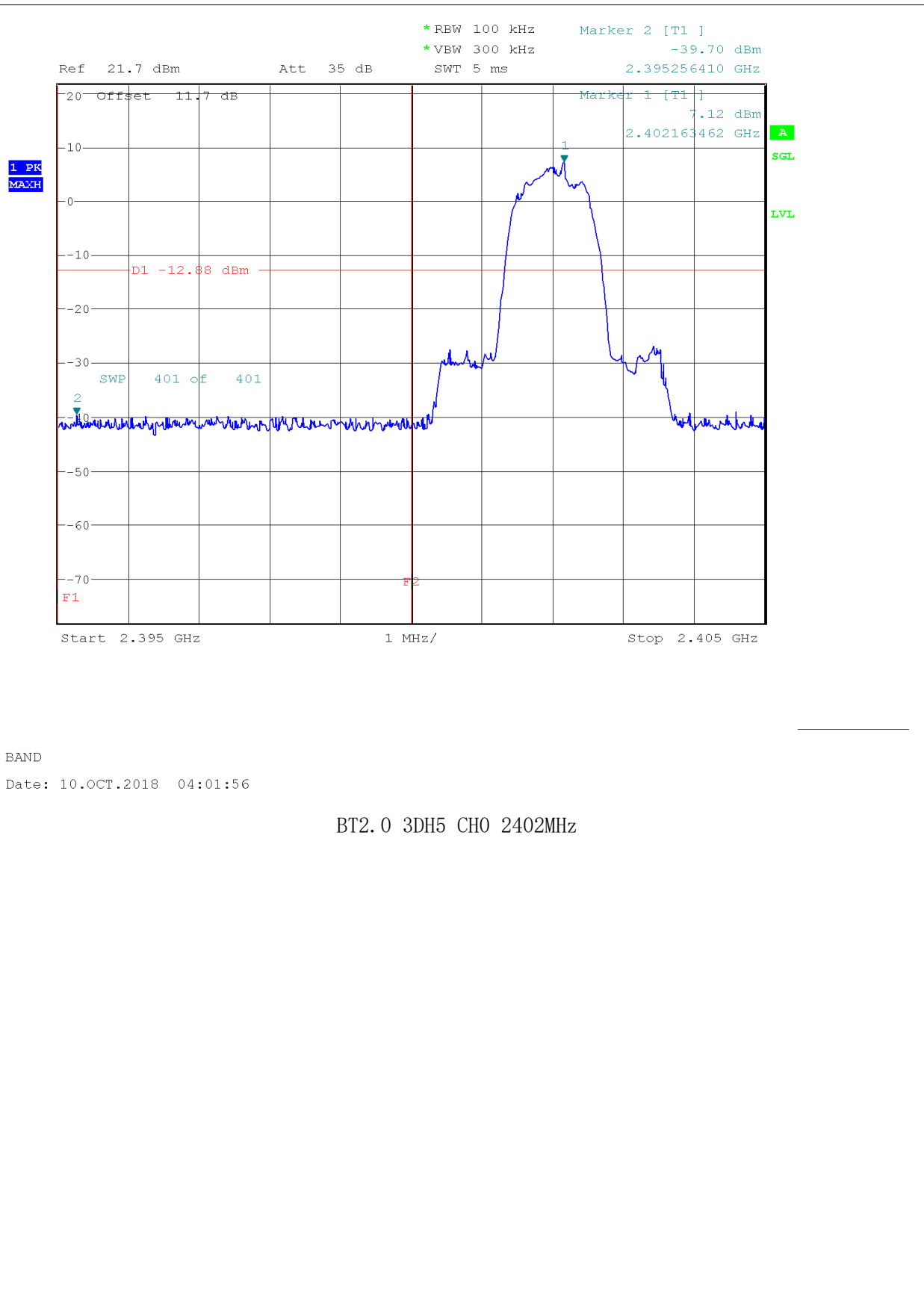
FCC RF TEST REPORT





Build Your Dreams!

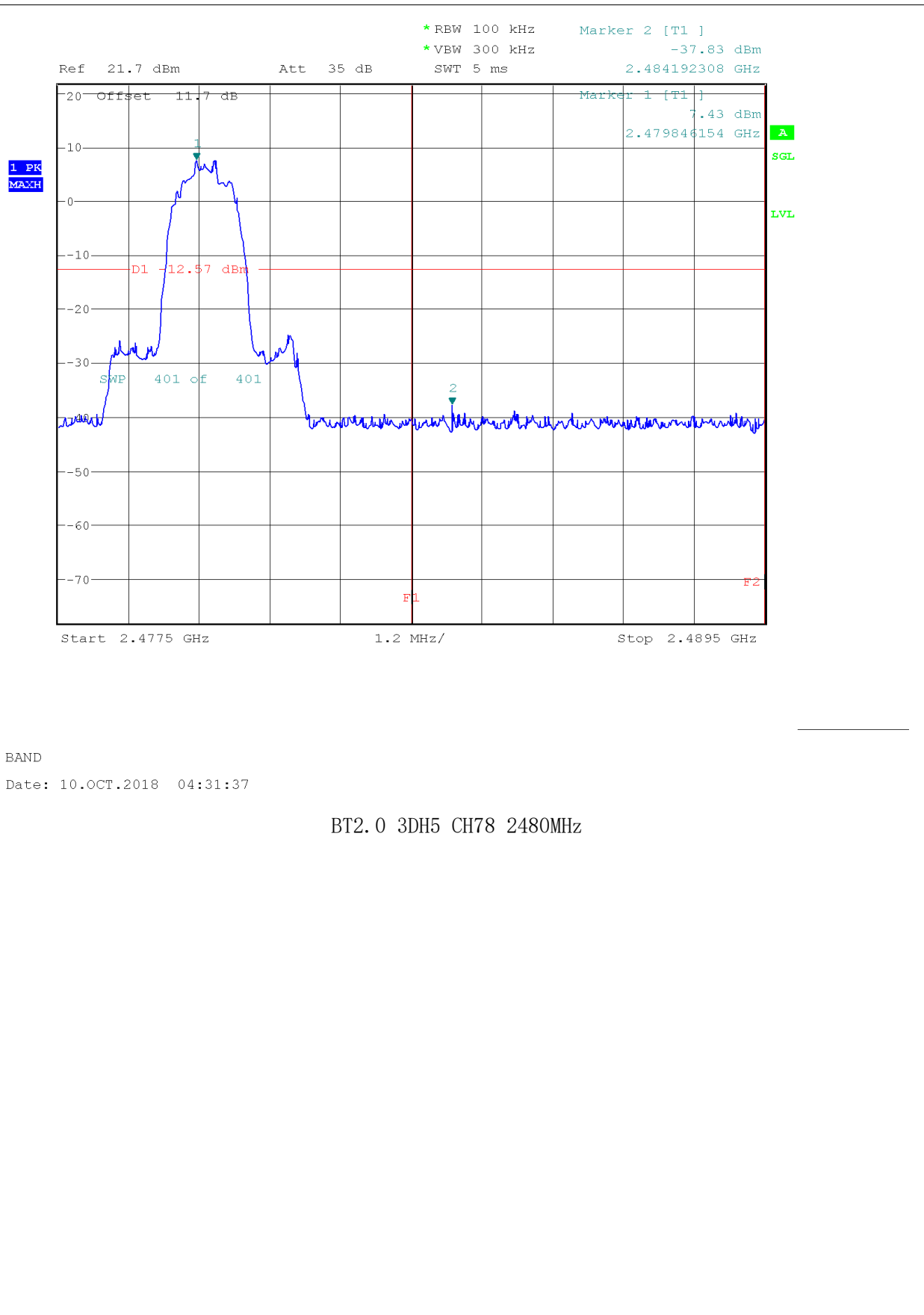
FCC RF TEST REPORT





Build Your Dreams!

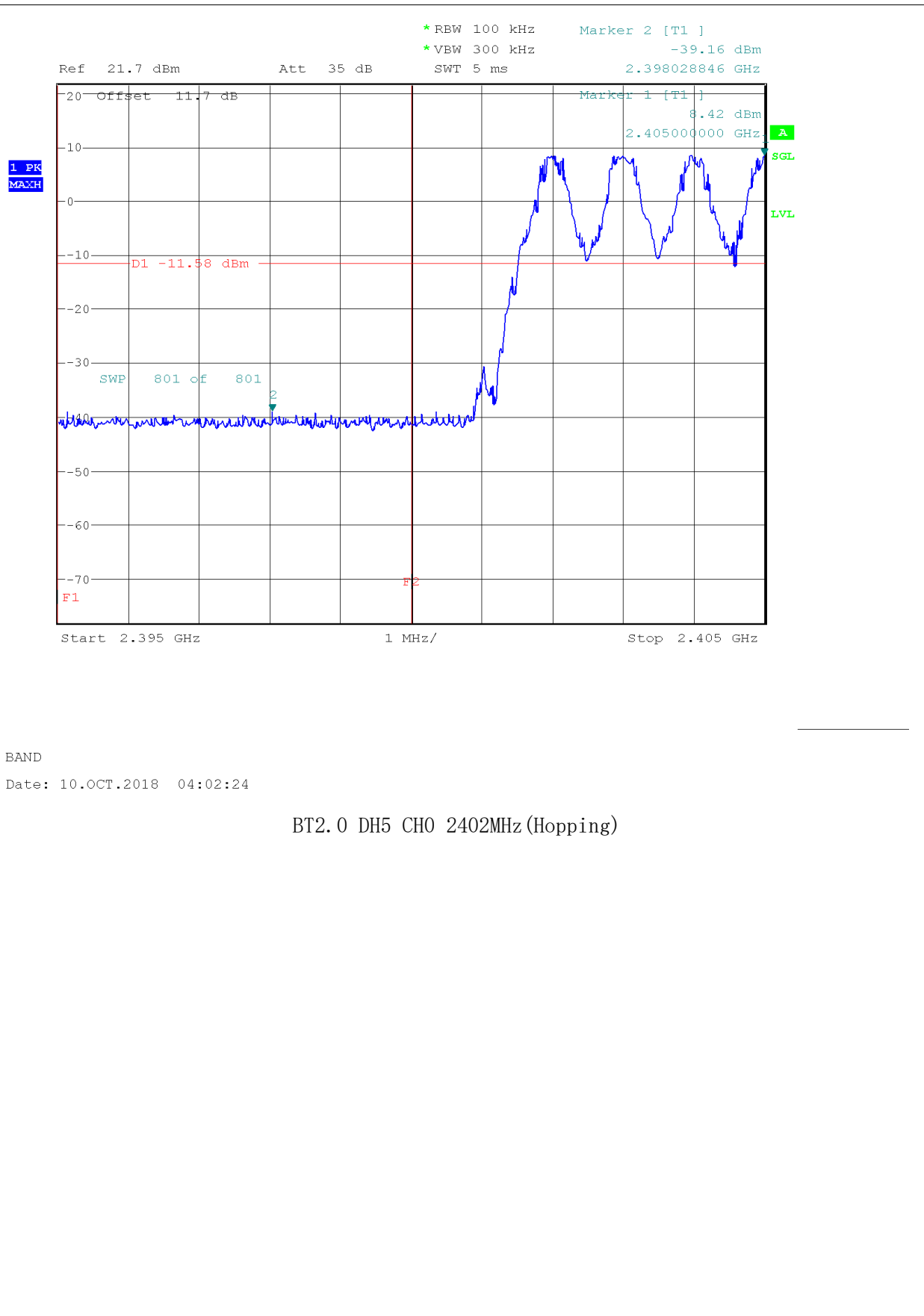
FCC RF TEST REPORT

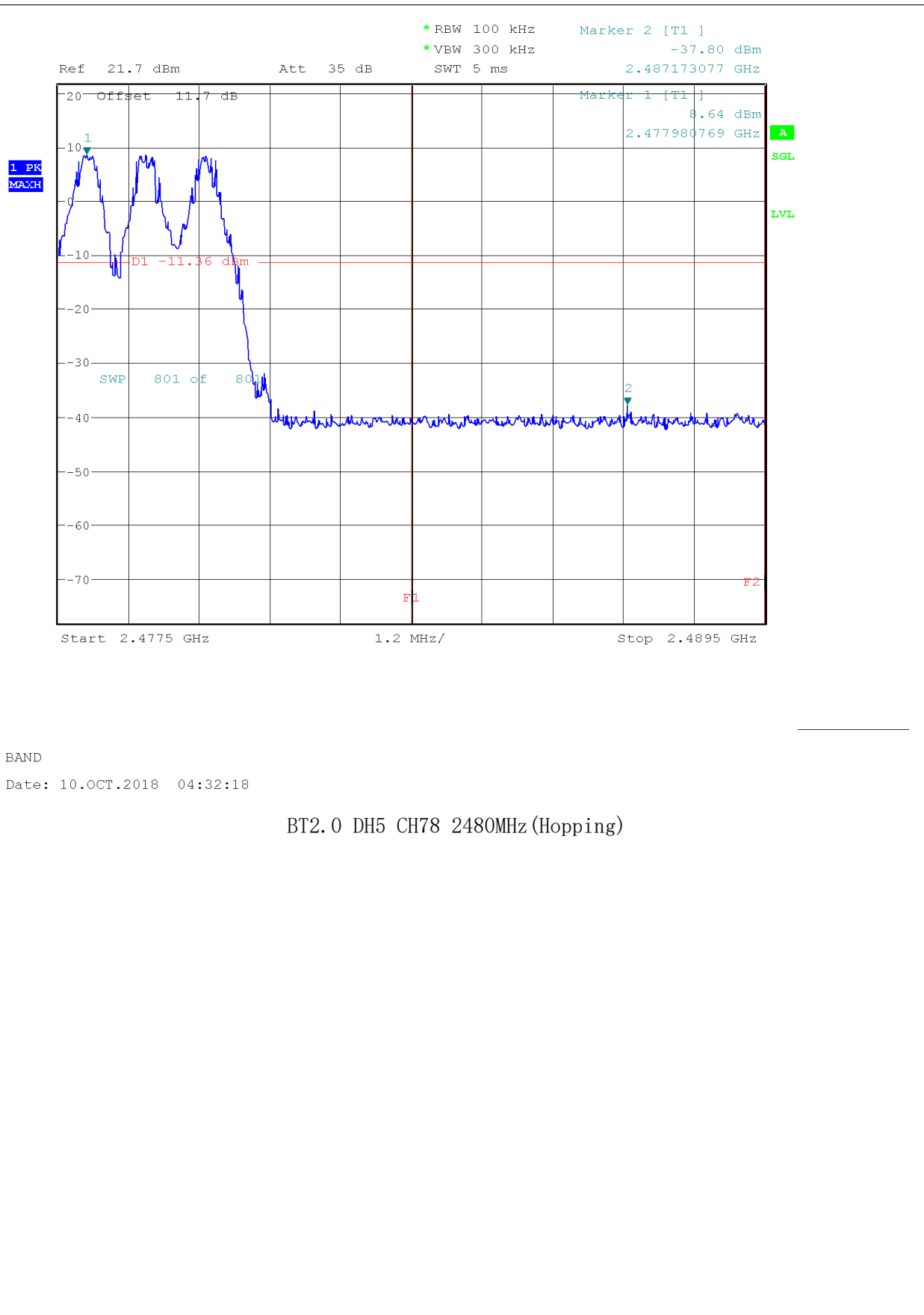


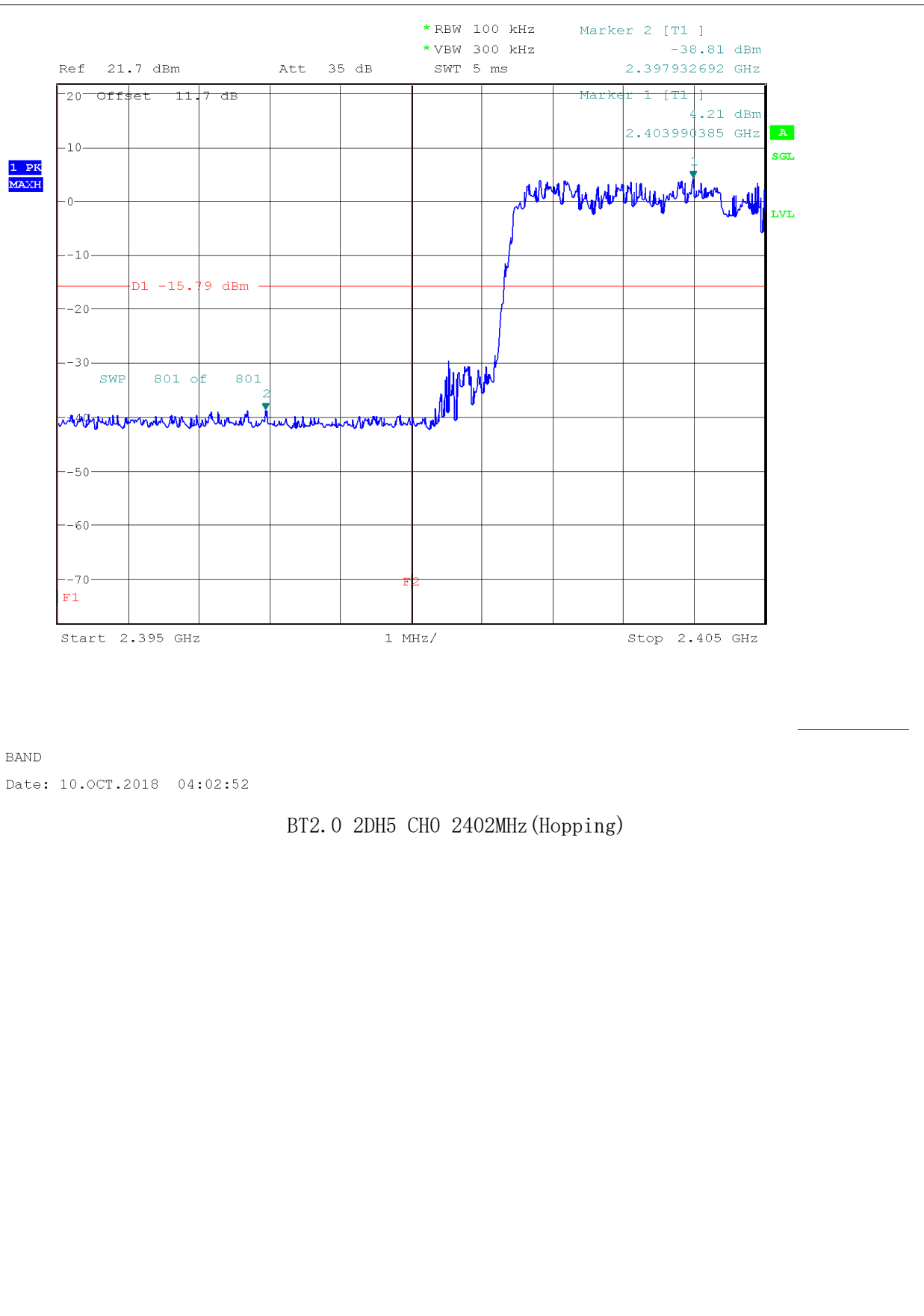


Build Your Dreams!

FCC RF TEST REPORT



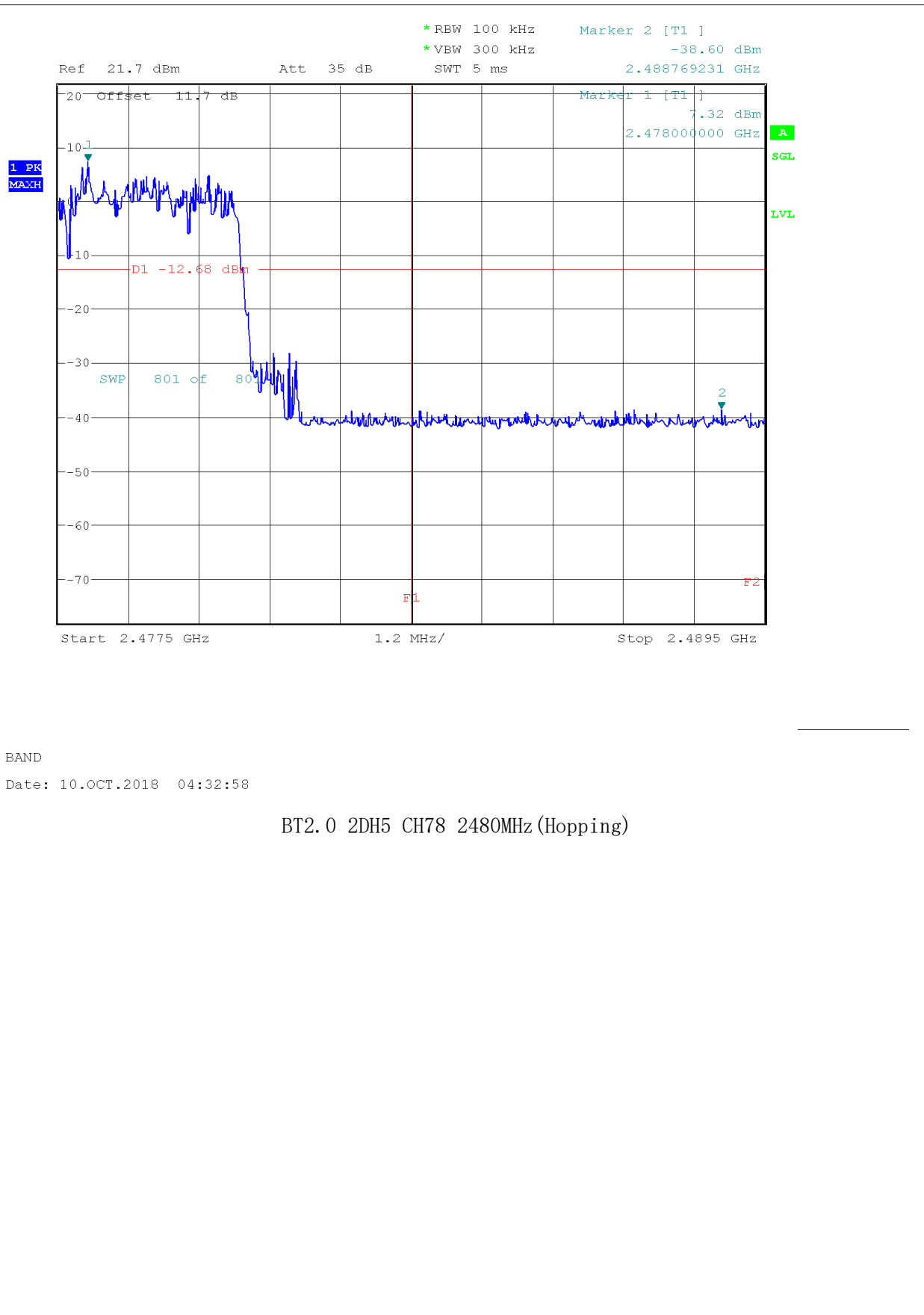


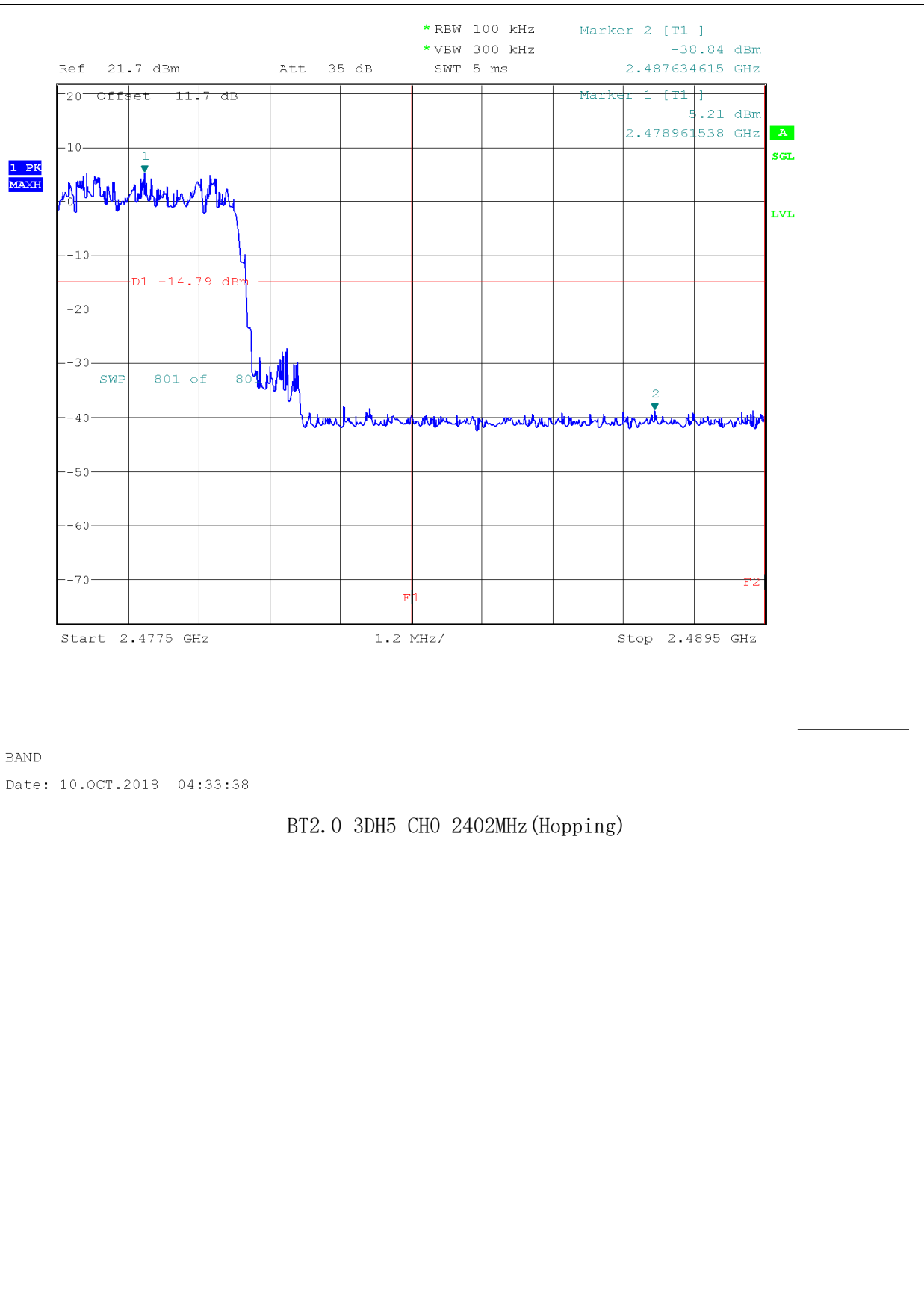


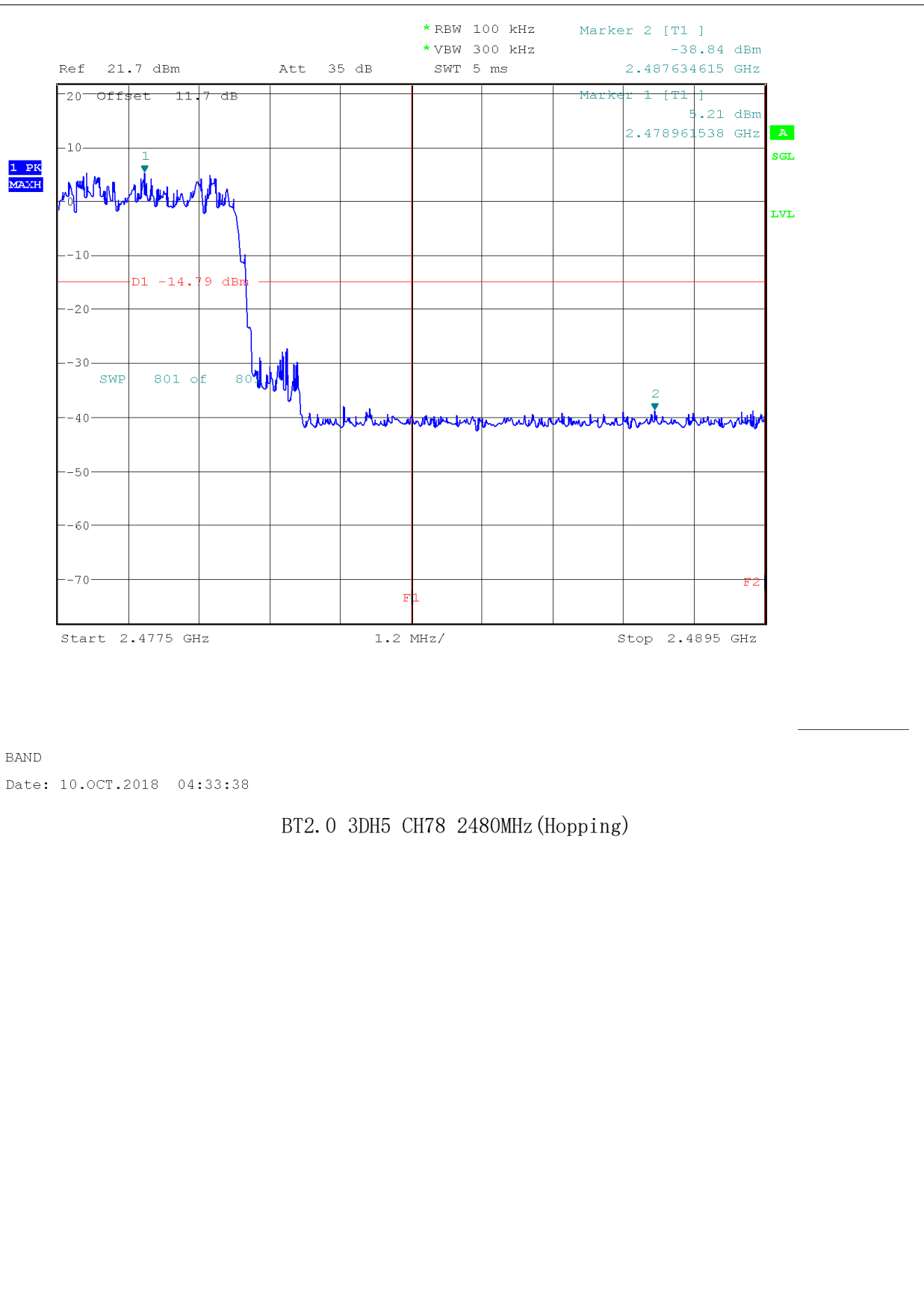


Build Your Dreams!

FCC RF TEST REPORT







5.7 Conducted Spurious Emission

5.7.1 Description

In any 100kHz bandwidth outside the intentional radiation frequency band, the radio frequency power shall be at least 20 dB below the highest level of the radiated power. In addition, radiated emissions which fall in the restricted bands must also comply with the radiated emission limits.

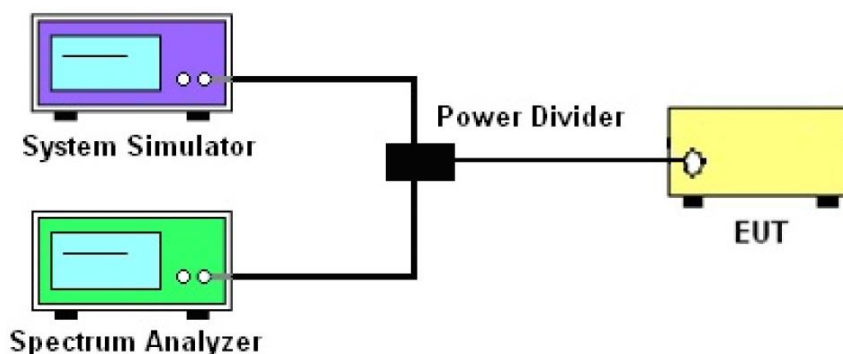
5.7.2 Test Instruments

The measuring equipment is listed in the section 4.1 of this test report.

5.7.3 Test Procedure

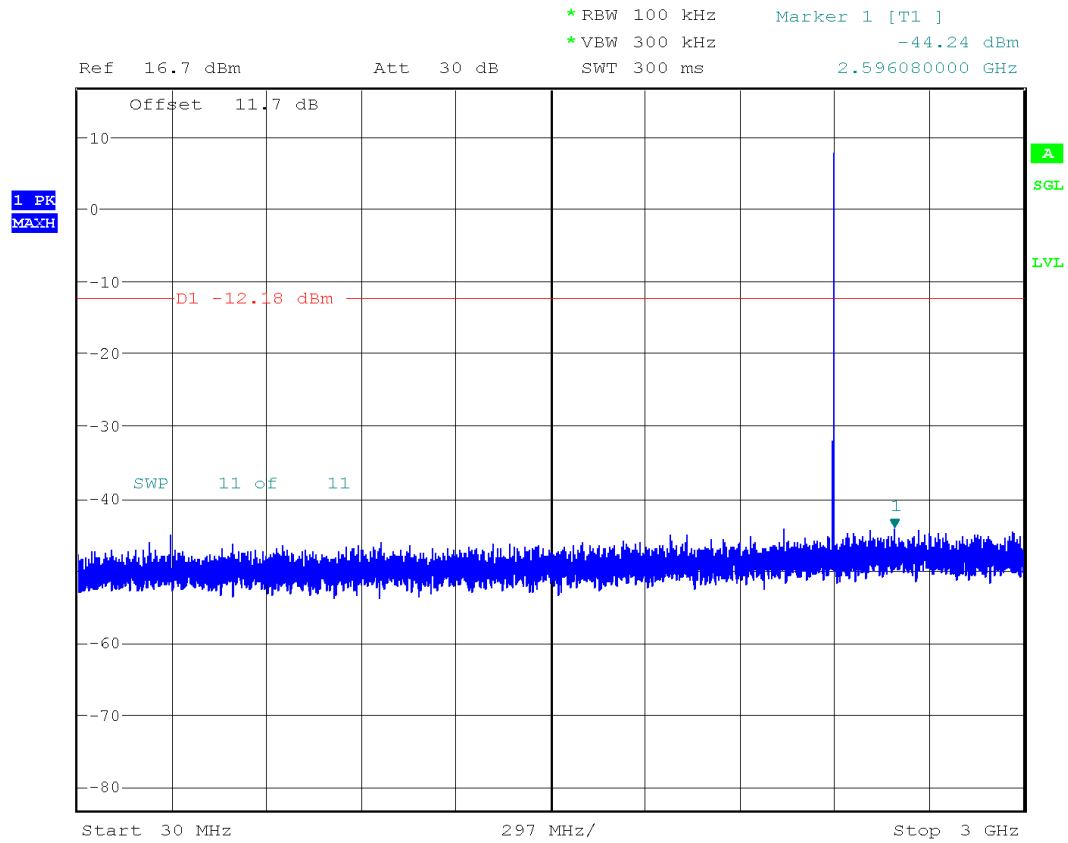
- The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
- Set to the maximum power setting and enable the EUT transmit continuously.
- Set RBW = 100 kHz, VBW=300 kHz. Scan up through 10th harmonic. All harmonics/spurs must be at least 20 dB down from the highest emission level within the authorized band as measured with a 100 kHz RBW.
- Record the measurement the results in the test report.
- The RF fundamental frequency should be excluded against the limit line in the operation frequency band.

5.7.4 Test Setup





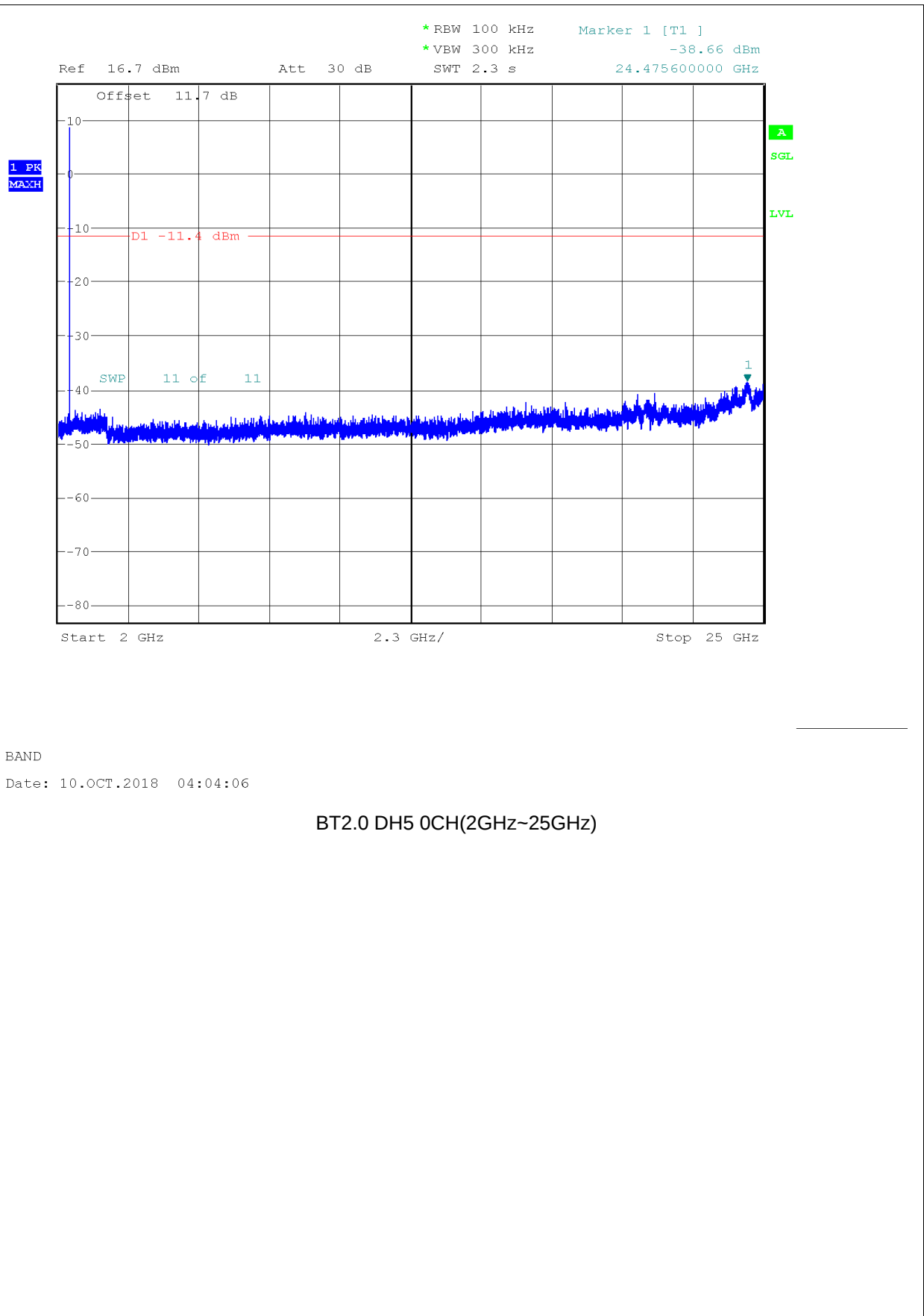
5.7.5 Test Result



BAND

Date: 10.OCT.2018 04:03:33

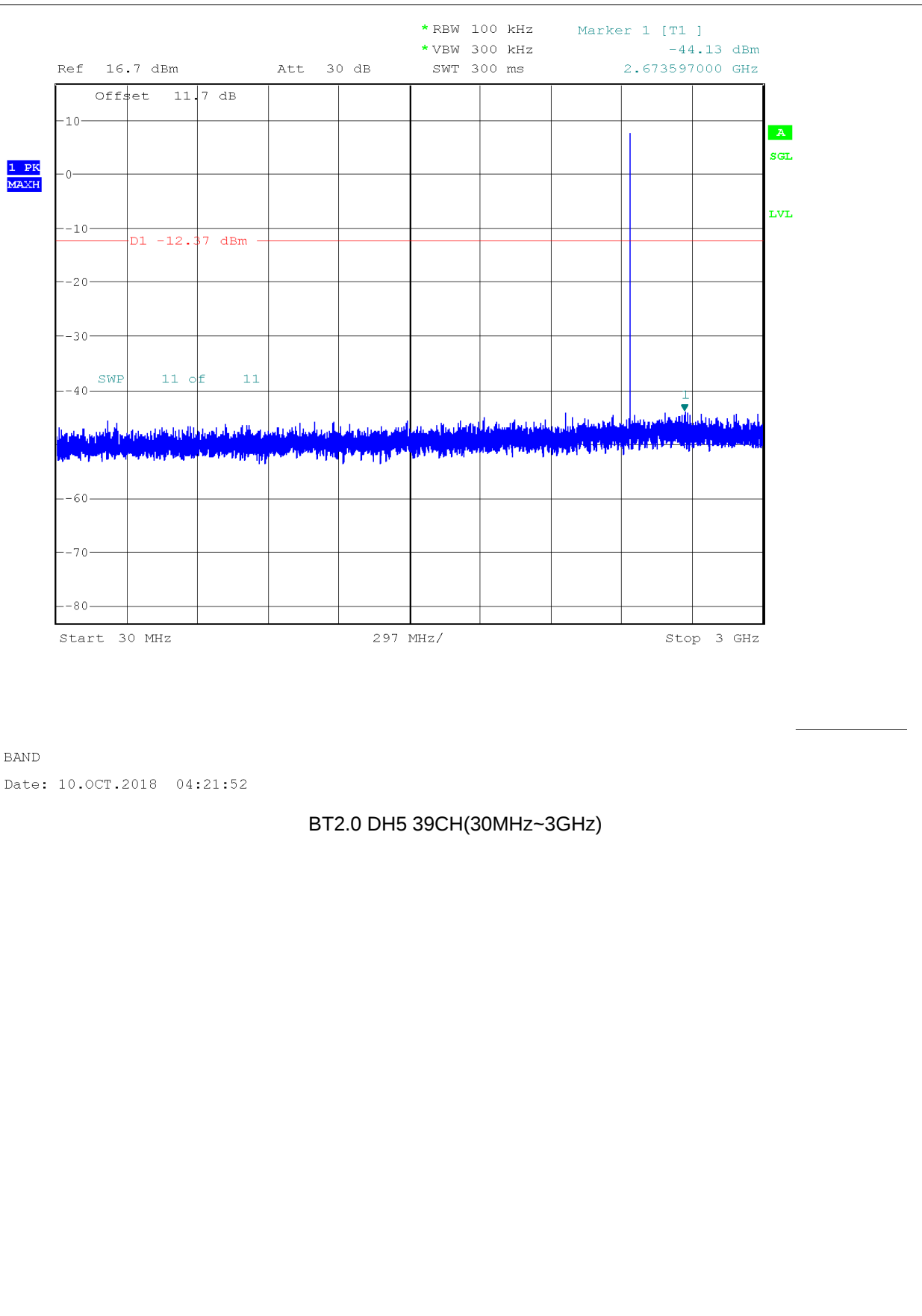
BT2.0 DH5 0CH(30MHz~3GHz)



BAND

Date: 10.OCT.2018 04:04:06

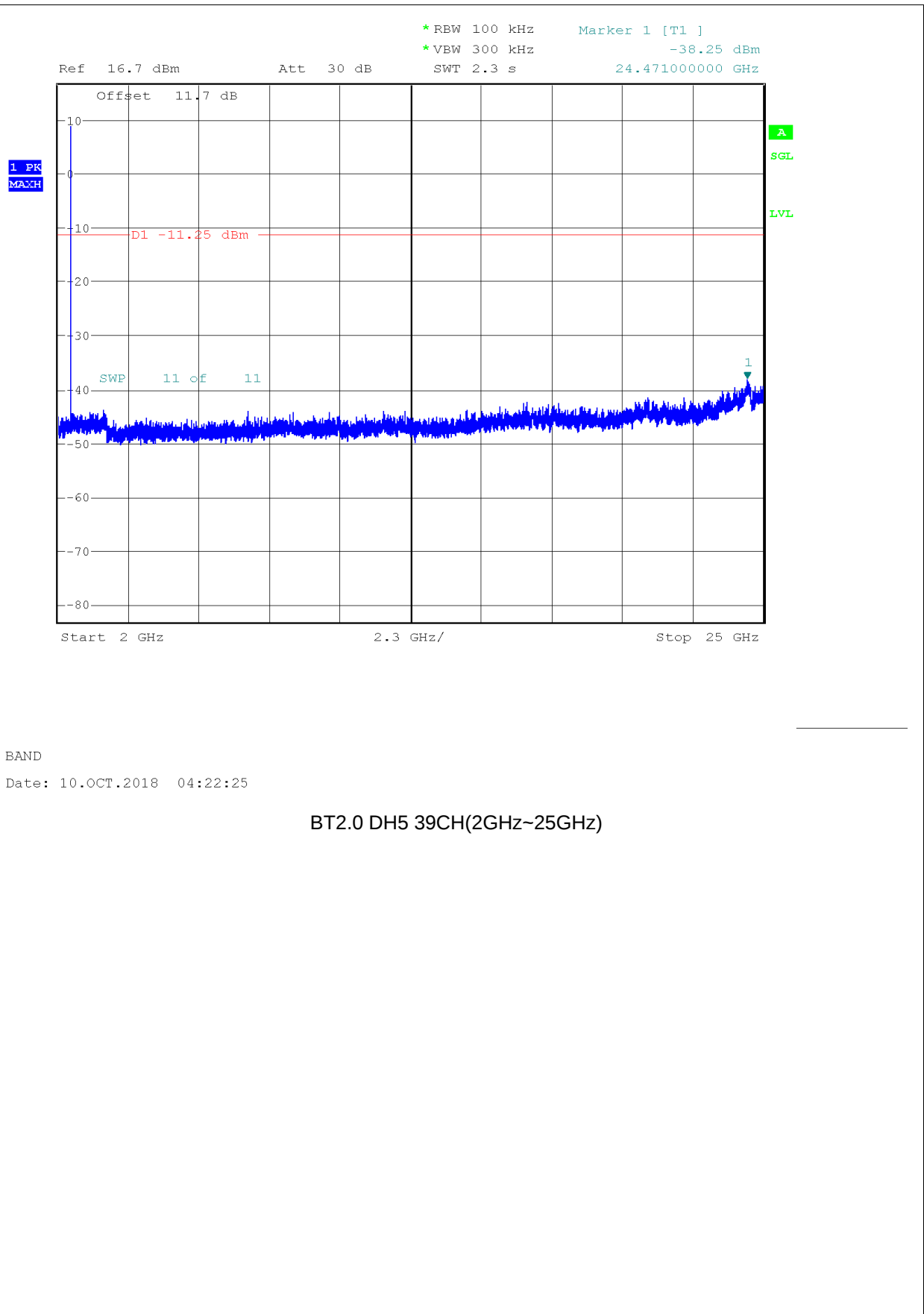
BT2.0 DH5 0CH(2GHz~25GHz)



BAND

Date: 10.OCT.2018 04:21:52

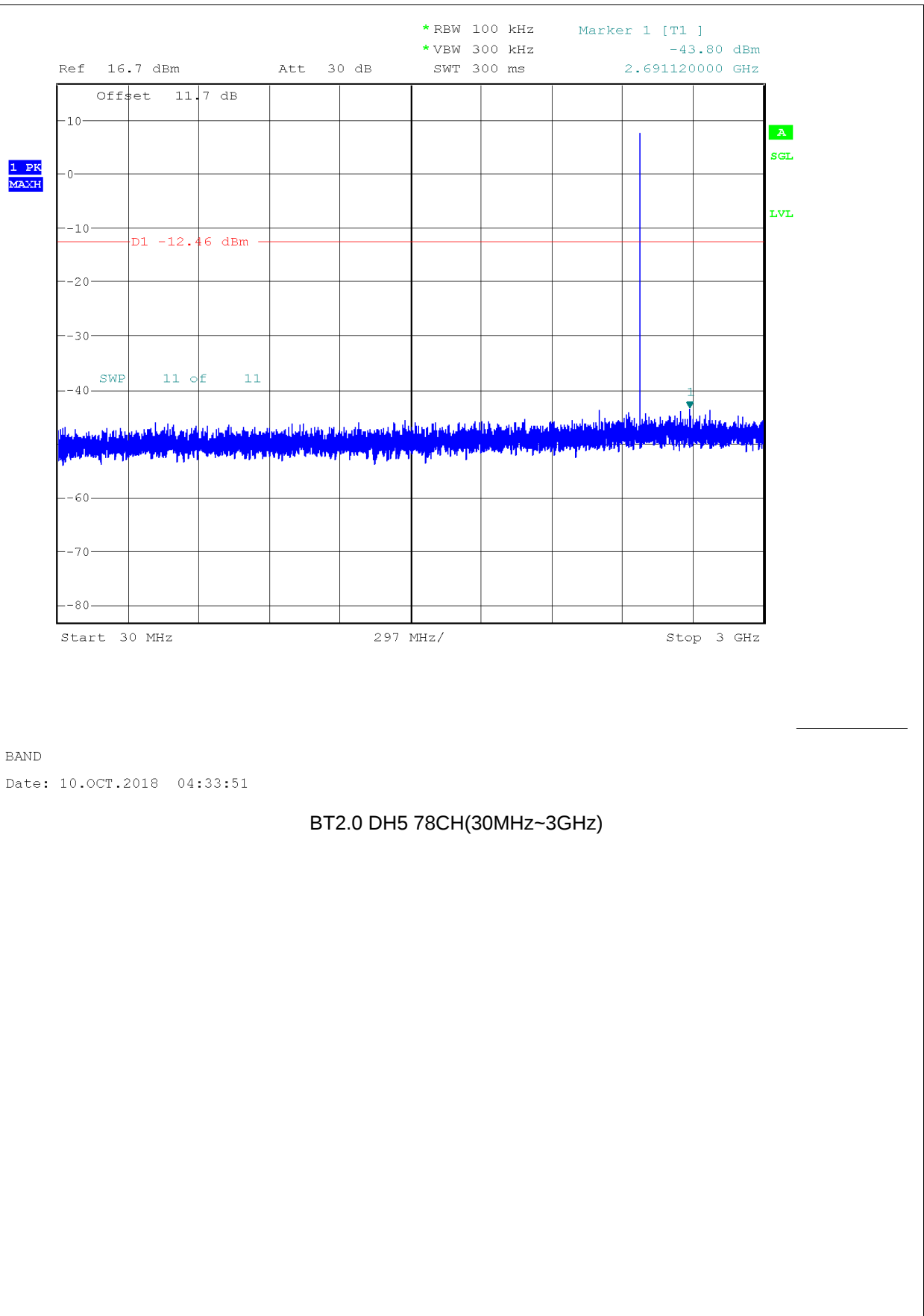
BT2.0 DH5 39CH(30MHz~3GHz)



BAND

Date: 10.OCT.2018 04:22:25

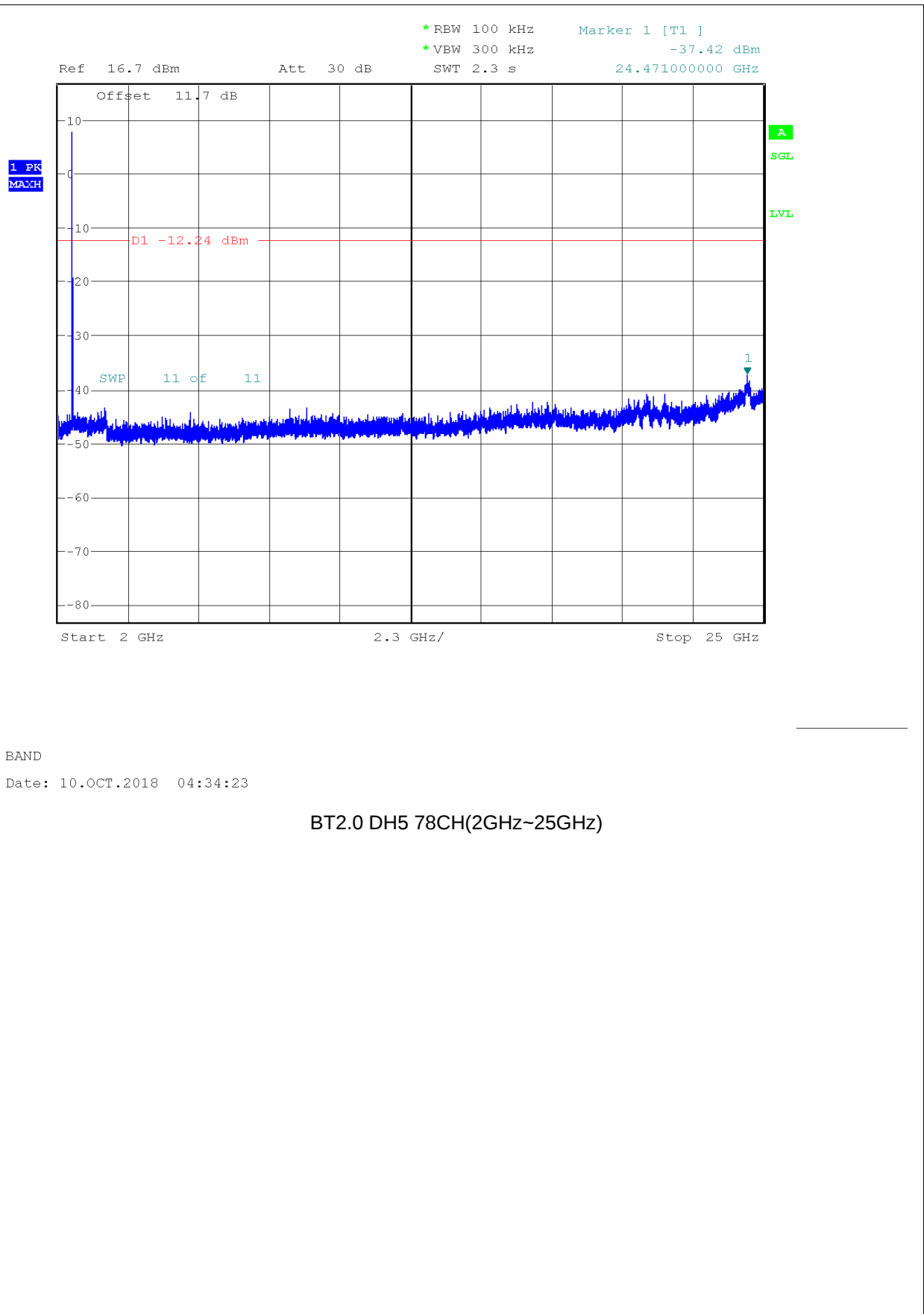
BT2.0 DH5 39CH(2GHz~25GHz)

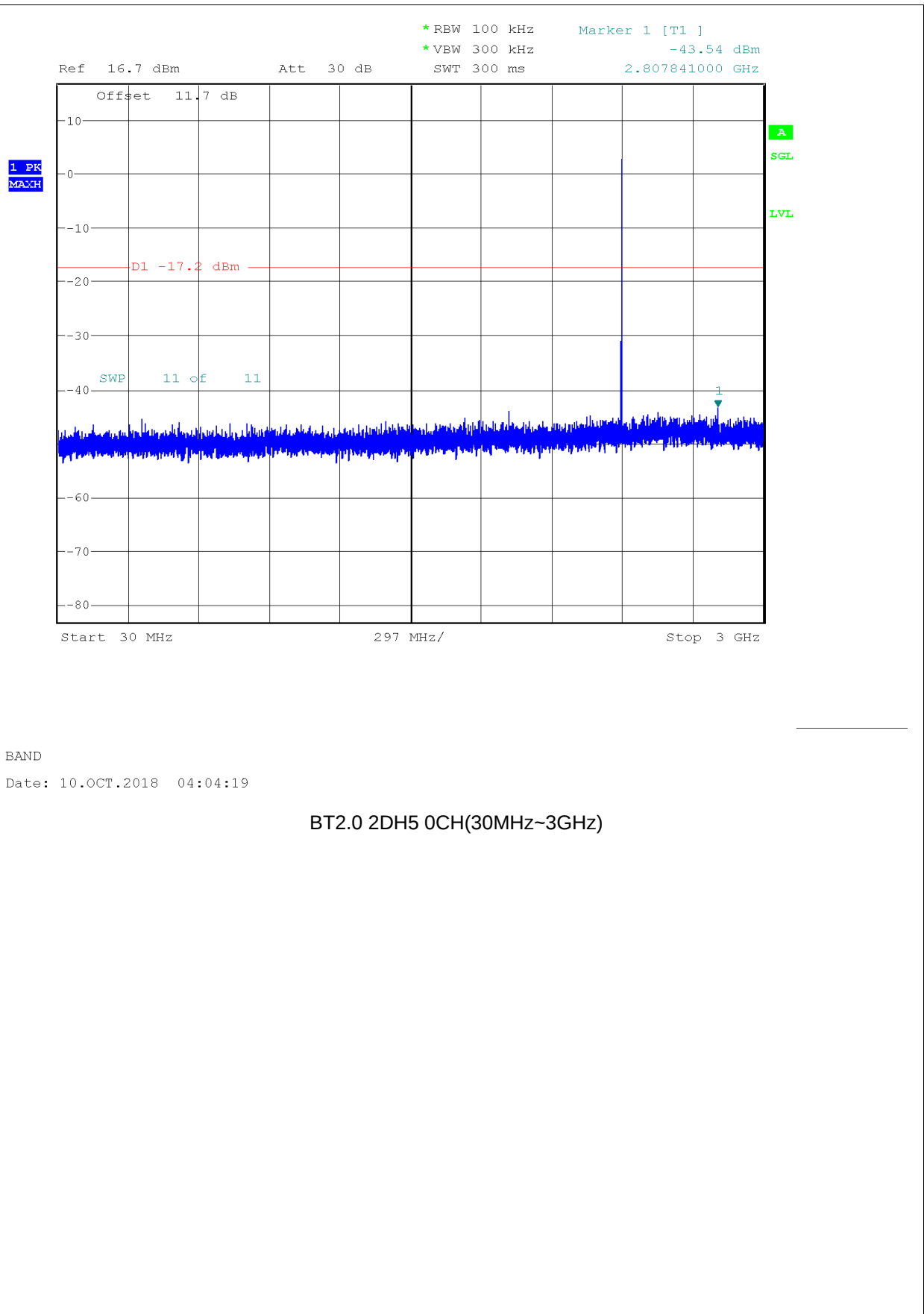


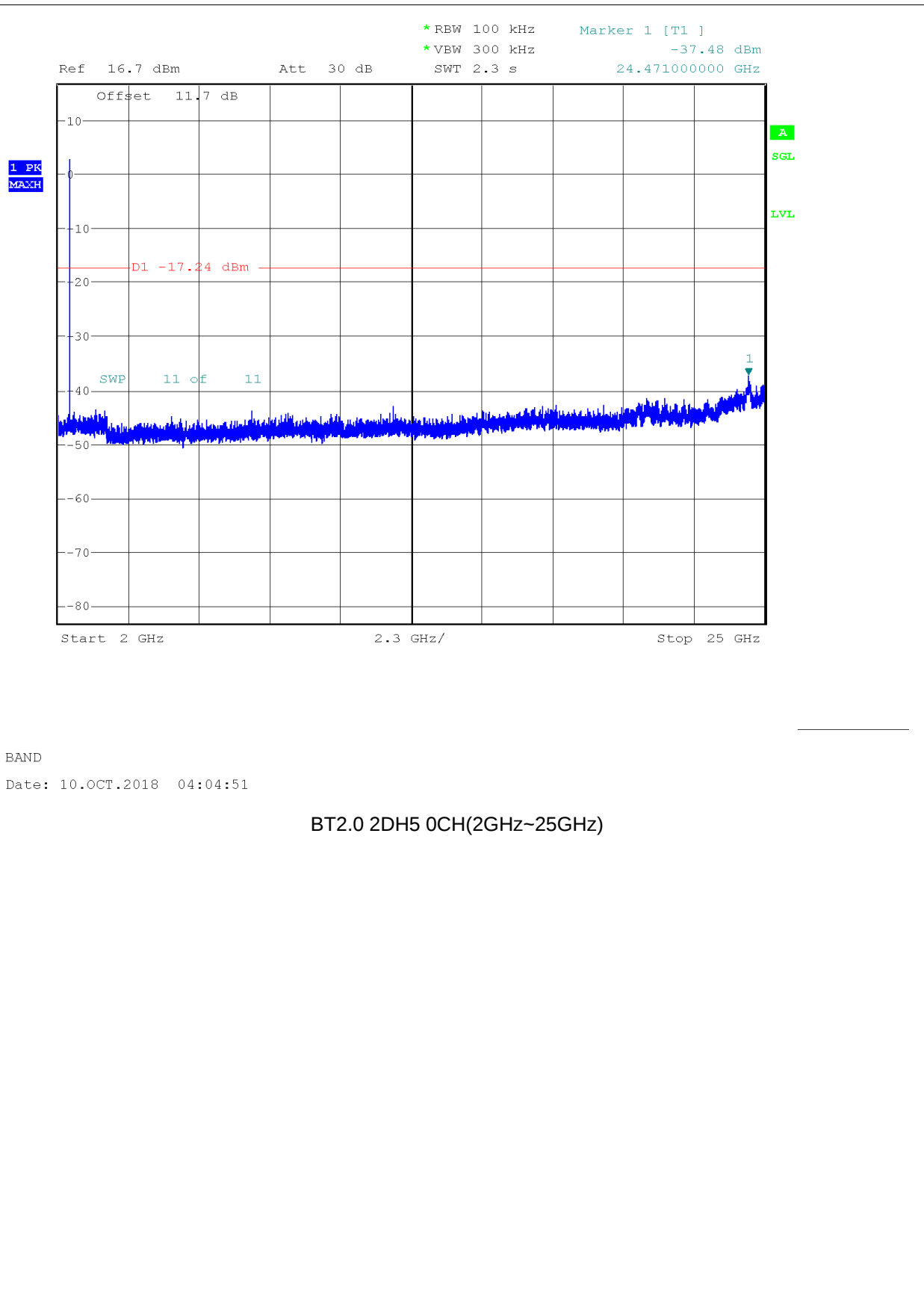
BAND

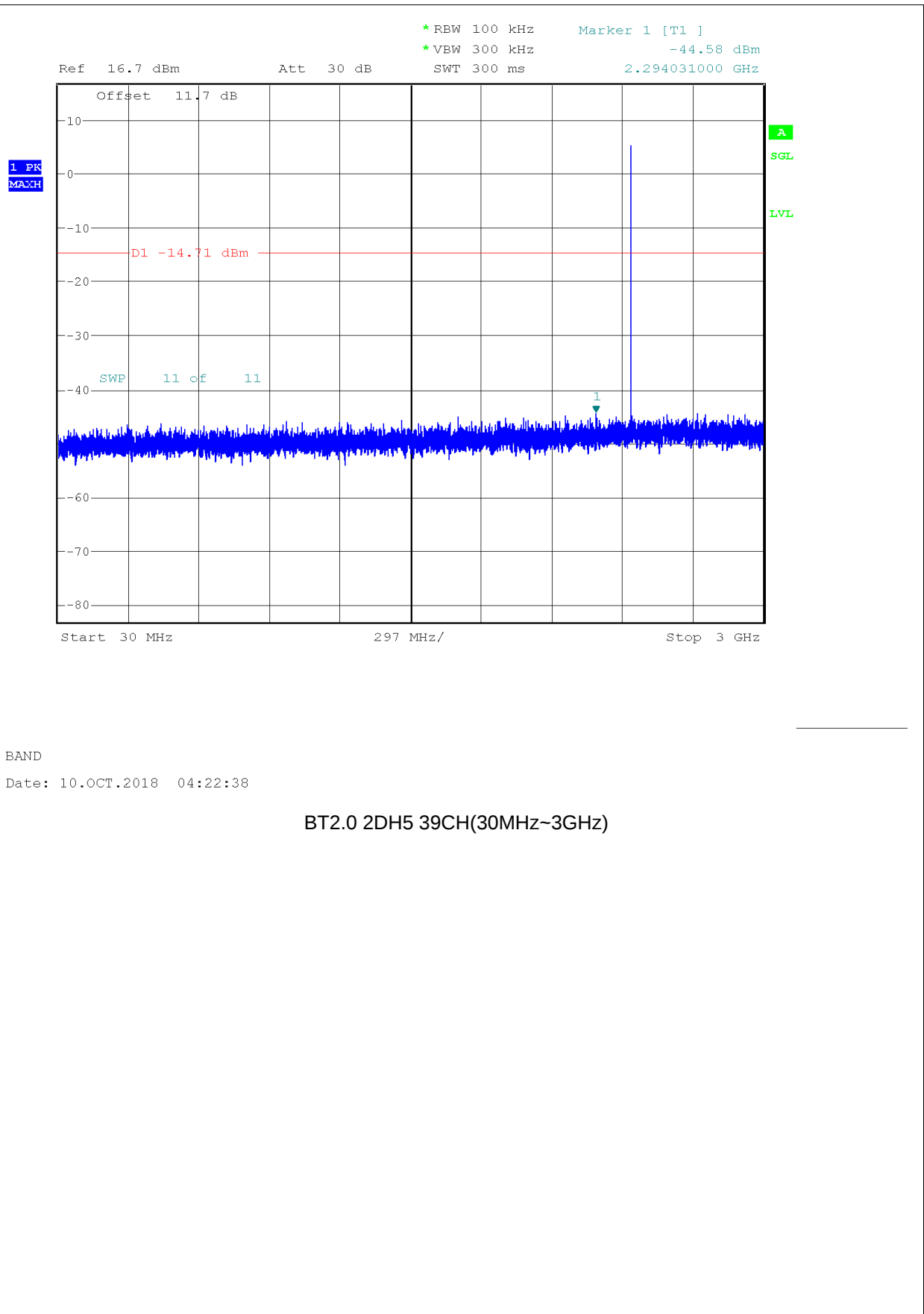
Date: 10.OCT.2018 04:33:51

BT2.0 DH5 78CH(30MHz~3GHz)







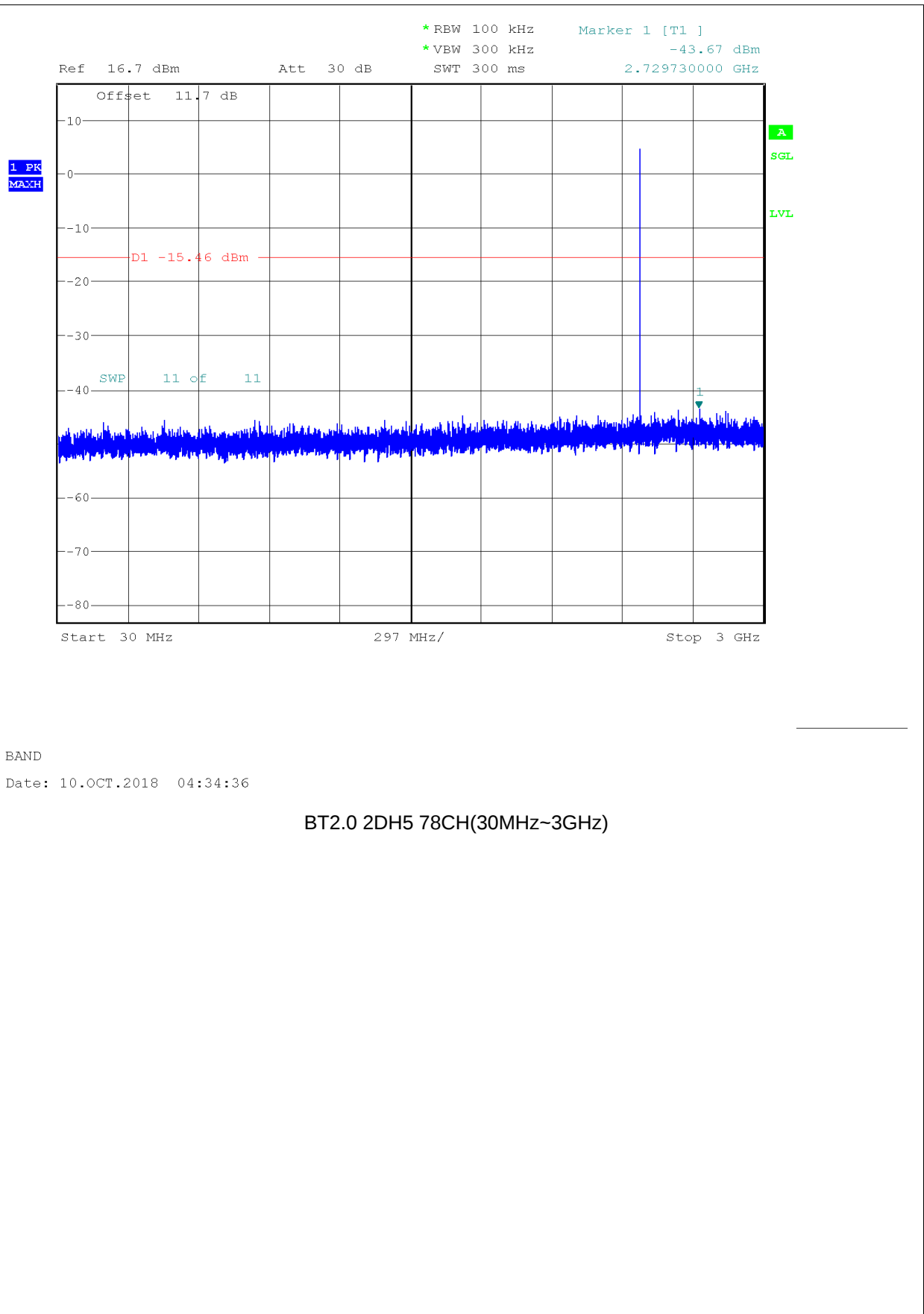


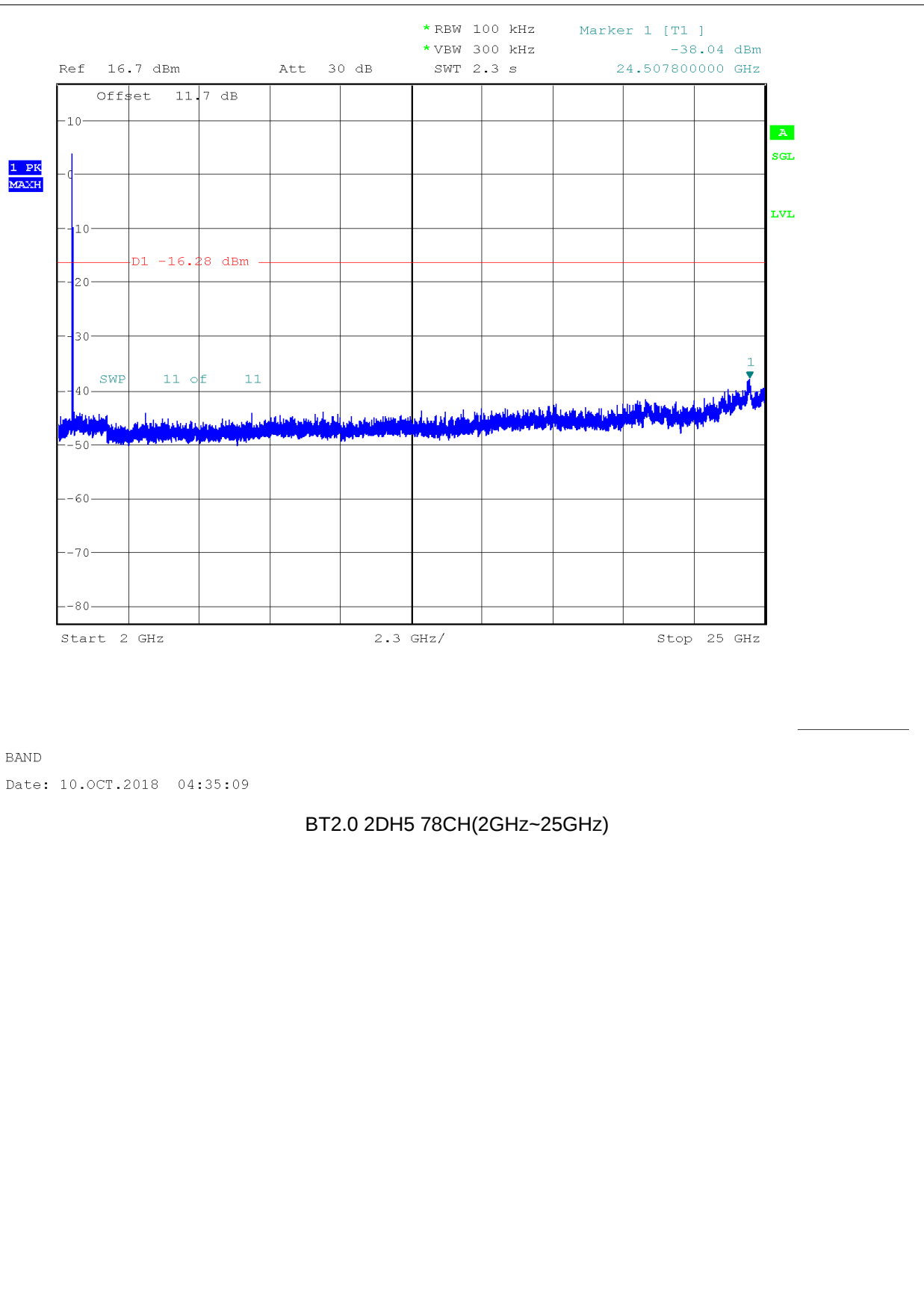
BAND

Date: 10.OCT.2018 04:22:38

BT2.0 2DH5 39CH(30MHz~3GHz)



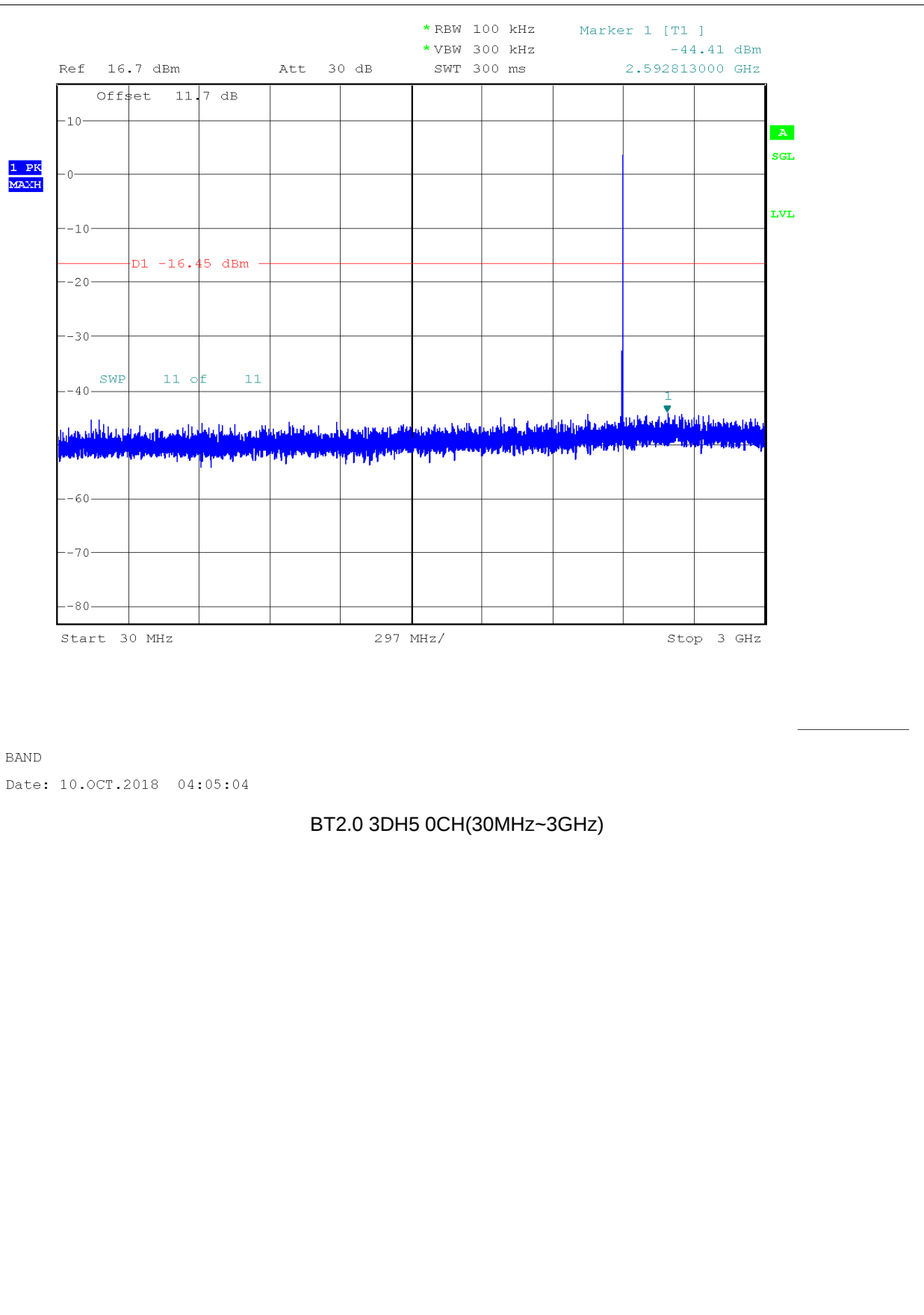






Build Your Dreams!

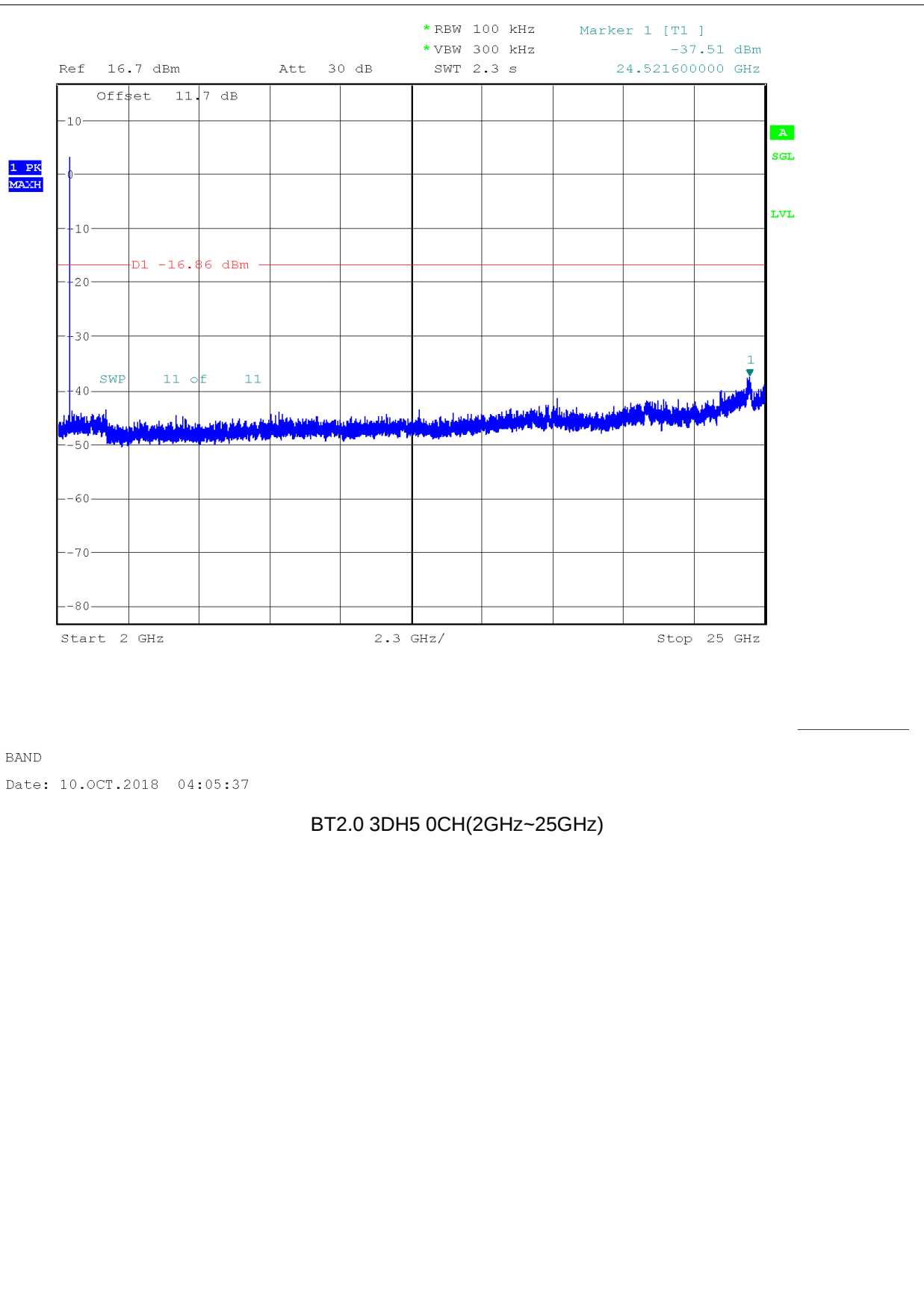
FCC RF TEST REPORT

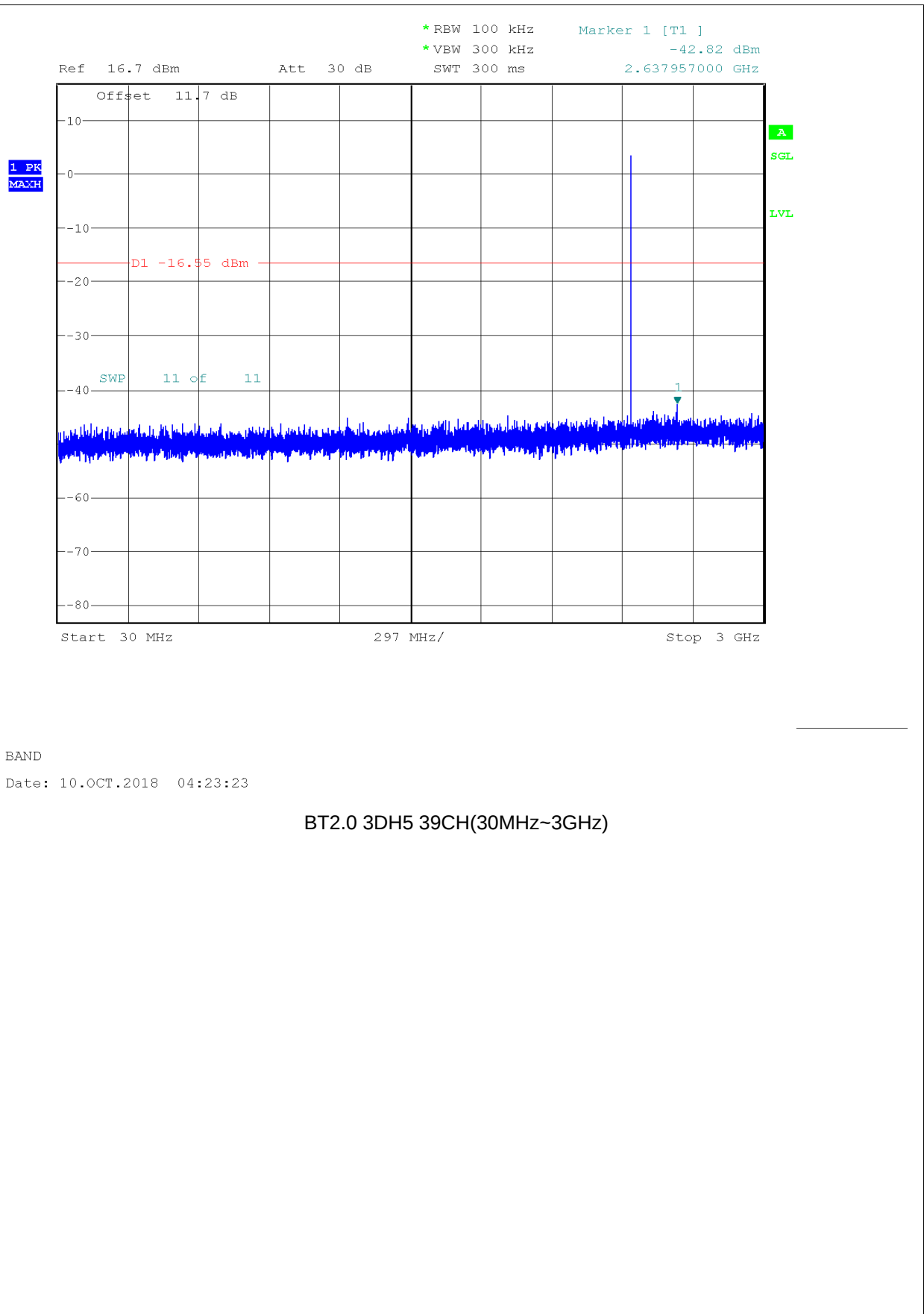


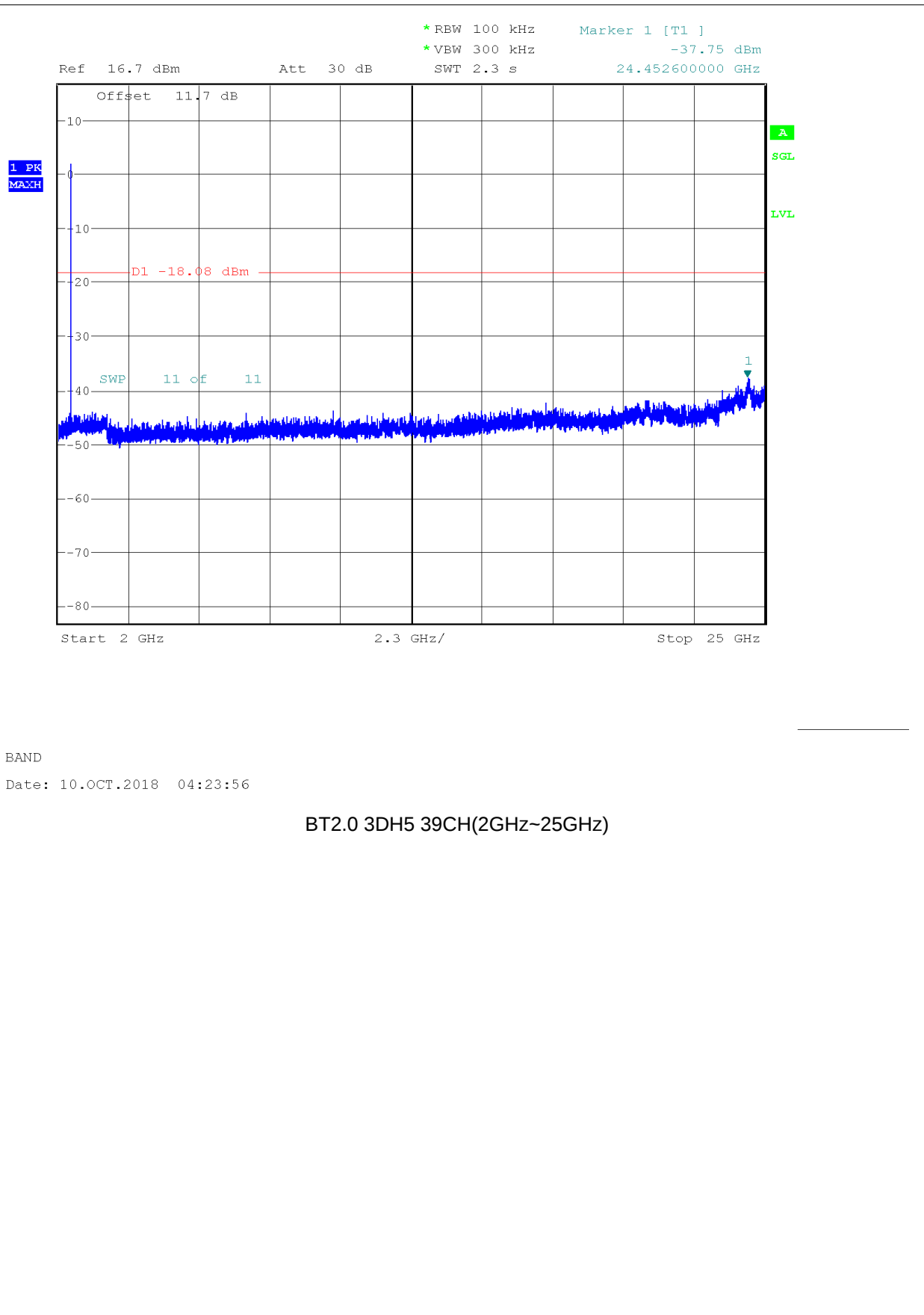
BAND

Date: 10.OCT.2018 04:05:04

BT2.0 3DH5 0CH(30MHz~3GHz)



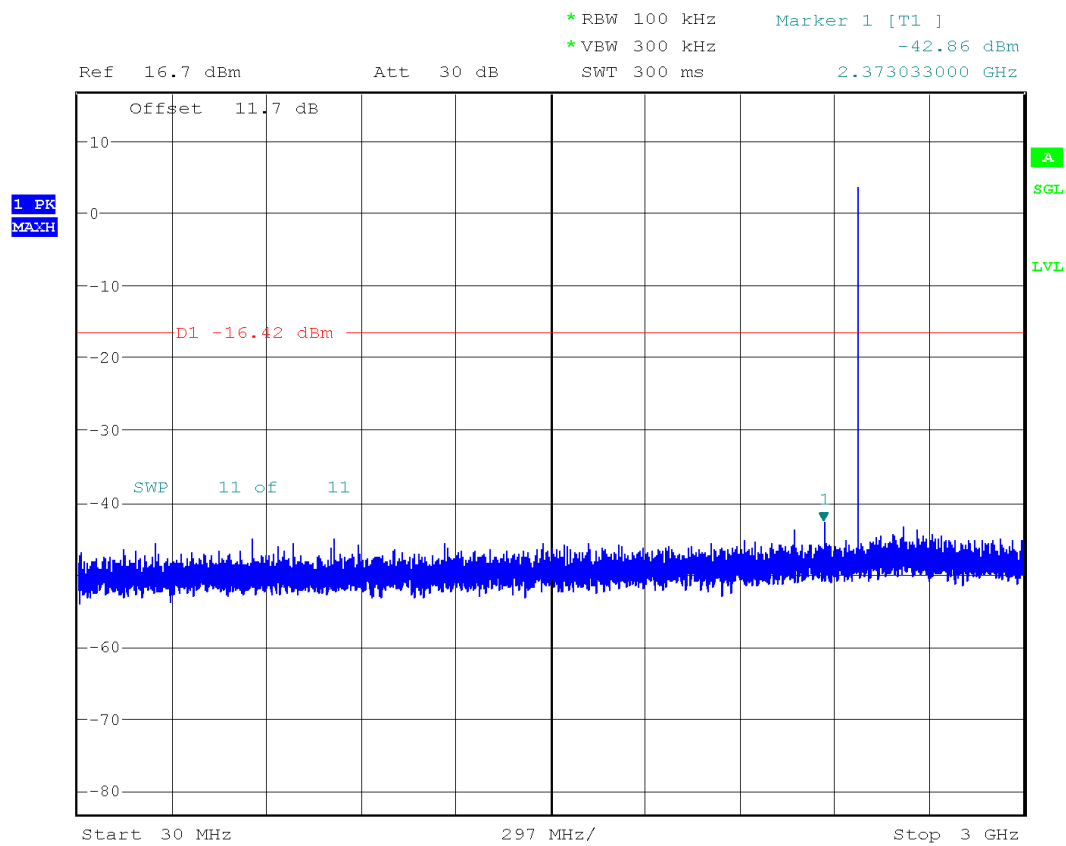




BAND

Date: 10.OCT.2018 04:23:56

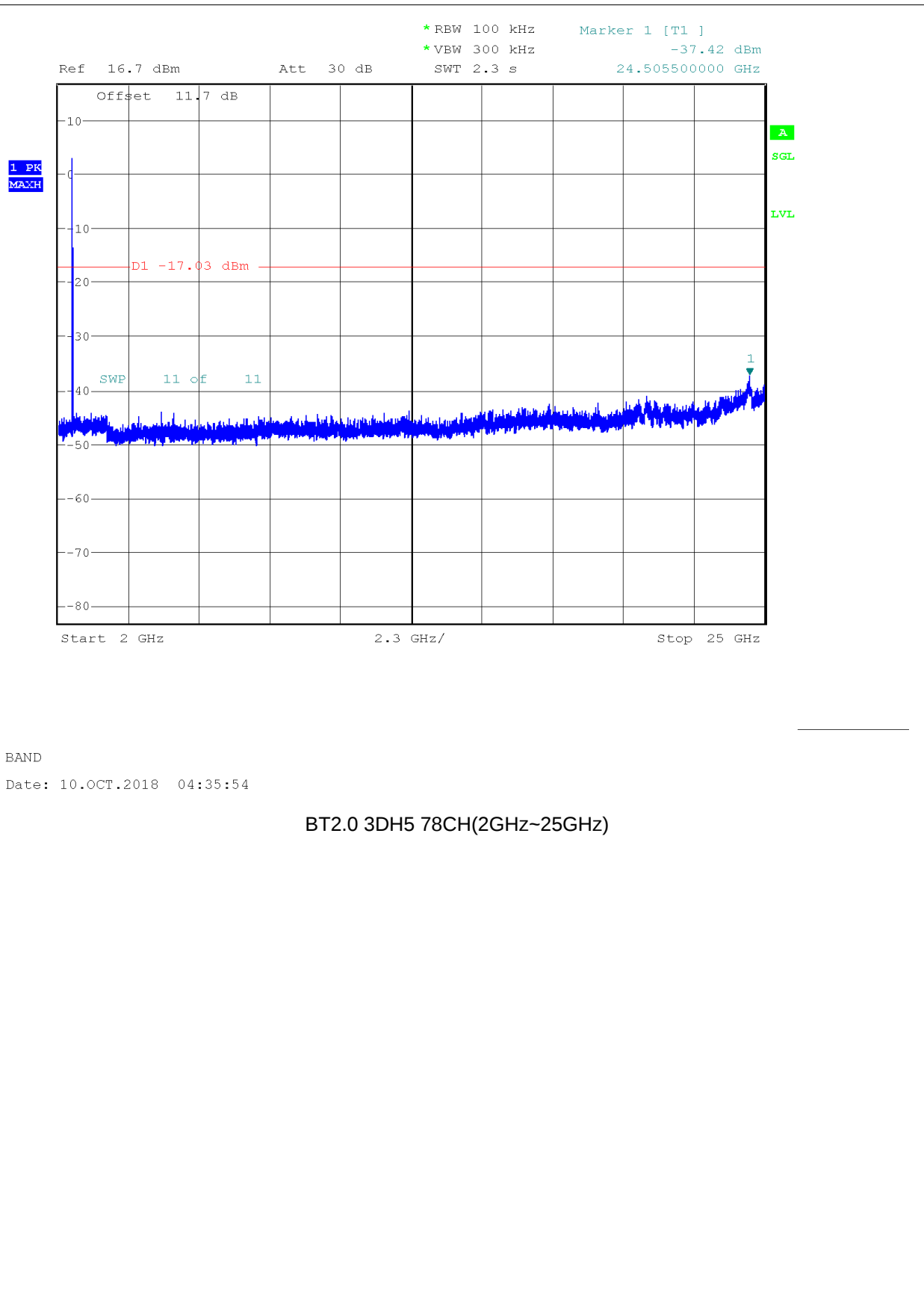
BT2.0 3DH5 39CH(2GHz~25GHz)



BAND

Date: 10.OCT.2018 04:35:22

BT2.0 3DH5 78CH(30MHz~3GHz)





6 SAMPLE PICTURE

Reference attachment : Test Setup Photos_2



7 APPENDIX - INFORMATION ON THE TESTING LABORATORIES

We, BYD Precision Manufacturing Company Limited, were founded in 2007 to provide our best service in RF, Radio consultation. Our laboratories are accredited by the following accreditation bodies according to ISO/IEC 17025 (2005) .

USA

A2LA

Certificate No.: 4886.01

Copies of accreditation certificates could be inquired from our office. If you have any comments, please feel free to contact us at the following:

EMC / RF / Lab:

Tel: +86-755 8489 8888 55501

Fax: +86-755 8964 3771

--- END ---