



Project No.: TM-2205000616P  
Report No.: TMWK2205002083KR

Ref. No.: T180627D12-RJ2

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Rev.: 02

## JAPAN SPECIFIED RADIO EQUIPMENT

### TEST REPORT

For

**WiFi+Bluetooth 5.0(HS) System on Module**

**Trade Name: TechNexion**

**Model: PIXI-9377**

Issued to

**TechNexion Ltd.**

**16f-5, No.736, Zhongzheng Road, Zhonghe Dist., New Taipei City, 23511 Taiwan  
ROC**

Issued by

**Compliance Certification Services Inc.**

**Wugu Laboratory**

**No.11, Wugong 6th Rd., Wugu Dist.,**

**New Taipei City, Taiwan, R.O.C.**

**Issued Date: August 10, 2022**

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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### Revision History

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	August 17, 2018	Initial Issue	ALL	Allison Chen
01	September 10, 2018	See the following Note Rev.(01)	P.13	Allison Chen
02	August 10, 2022	See the following Note Rev.(02)	P.1, 3-4, 11, 13, 51	Allison Chen

**Note:**

**Rev.(01)**

1. Revised FPC antenna gain.

**Rev.(02)**

1. Update Bluetooth version 4.1 to 5.0 include product name.
2. Other information, please refer to T180627D12 and this test report.

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## 1. TEST RESULT CERTIFICATION

**Applicant:** TechNexion Ltd.  
16f-5, No.736, Zhongzheng Road, Zhonghe Dist., New Taipei City, 23511 Taiwan ROC

**Manufacturer:** TechNexion Ltd.  
16f-5, No.736, Zhongzheng Road, Zhonghe Dist., New Taipei City, 23511 Taiwan ROC

**Equipment Under Test:** WiFi+Bluetooth 5.0(HS) System on Module

**Trade Name:** TechNexion

**Model Number:** PIXI-9377

**Detailed EUT Description:** See Item 3 of this report

**Date of Test:** July 12 ~ 16, 2018

**EUT Receive Date** June 27, 2018

APPLICABLE STANDARDS	
CLASSIFICATION	TEST RESULT
ARIB STD T-66 Ver.3.7	Compliance

The above equipment was tested by Compliance Certification Services Inc. for compliance with the requirements set forth in ARIB STD T-66 Ver.3.7. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Approved by:



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Shawn Wu  
Supervisor



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## 2. SUMMARY OF TEST RESULTS

### 2.1 BLUETOOTH (CH0~CH78) (FOR GFSK)

APPLIED STANDARD: ARIB STD T-66 Ver.3.7			
Standard Section	Report Section	Test Type and Limit	Test Result
<b>General provisions</b>			
5	6.1	Frequency Error	PASS
6	6.3	Occupied Bandwidth	PASS
7	6.2	Spurious Emissions Intensity	PASS
<b>Transmitting equipment</b>			
14	2.1	Antenna Power	PASS
14.2	-	SAR	-
<b>Transmitting antenna</b>			
20	3	Type, Configuration, etc., of Transmitting Antenna	PASS
22	-	Direction Pattern of Transmitting Antenna (Provided at Individual Antenna Report)	PASS
<b>Receiving antenna</b>			
24	6.5	Limitation of Collateral Emission of Receiver	PASS
26	3	Refer to All Articles for Transmitting Antenna	PASS
<b>Operating frequency 2400~2483MHz</b>			
49.20(1);a	4.3	RF Shielding Method	PASS
49.20(1);a	3	Communication Method	PASS
49.20(1);b	3	Spread-spectrum Method	PASS
49.20(1);d	-	Absolute Antenna Gain (Provided at Individual Antenna Report)	PASS
49.20(1);e	6.4	Spread-Spectrum Bandwidth	PASS
49.20(1);g	6.6	Hopping Frequency Dwell Time (FH employed)	PASS

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## Test Report

Specified Radio Equipment	Class	Article 2 Paragraph 1 Item 19	Model	PIXI-9377	Test Date	2018/7/16
	Type of Emission	GID	Serial No.	1	Test Location	Compliance Certification Services Inc. No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan R.O.C.
	Modulation Type	FHSS (GFSK)	Antenna Power	0.09[mW/MHz]	Temp. / Humid.	25°C / 55%
	Frequency	2402 ~ 2480 MHz (1MHz separation 79CH)			Test Conducted By	Dally.Hong
					Name	Dally.Hong
					Department	RF Testing Department

## 2. Test Results

Test Results																
Testing for Electrical Specification	Test Voltage		V			Normal Voltage ( 5V )			High Voltage + 10 % ( 5.5 V )			Low Voltage - 10 % ( 4.5 V )			Remarks	
	Test Frequency		MHz		2402	2441	2480									
	Measured Frequency		MHz		2402.00651	2441.00651	2480.00724									
	Frequency Error		ppm		2.71	2.67	2.92									±50 ppm within
	Occupied Bandwidth		MHz		78.263											83.5 MHz or below
	Spread-spectrum Bandwidth		MHz		70.854											500 kHz or more
	Spurious Emission Intensity		※ 1	μW/MHz	0.16069	0.16943	0.14928									2.5 uW/MHz or below
			※ 2	μW/MHz	2.07014	0.15136	0.18578									25 uW/MHz or below
			※ 3	μW/MHz	0.17179	0.17022	0.27416									25 uW/MHz or below
			※ 4	μW/MHz	0.59020	0.57016	0.51050									2.5 uW/MHz or below
	Test Frequency				Hopping											
	Antenna Power (EIRP)		dBm/MHz		-6.11363											Antenna Gain : Bluetooth = 4[dBi] Limit 6.91dBm/MHz
	Antenna Power (Conductive)		mW/MHz		0.09742											3 mW/MHz or below
	Antenna Power Error		mW/MHz		0.00742											
			%		8.24											+ 20 , - 80 % within
	A-factor		※ 7	A	0.01											A = EIRP (in mW) / 16.37
			※ 8	degrees	360.00											360/A
	Limitation of Collateral Emission of Receiver		※ 5	nW/100kHz	0.01837											4 nW or below
			※ 6	nW/MHz	0.53580											20 nW or below
Hopping Frequency Dwell Time		sec		0.38435											0.4 sec or below	
Radio Interference Prevention Function		ID Code		MAC Address ( 6147AA103102 )												
		Carrier Sense														

※ 1 : Frequency Band 1 (30MHz ~ less than 2387MHz)

※ 4 : Frequency Band 4 (2,496.5MHz ~ less than 12.5GHz)

※ 7 : A is equal to EIRP (in mW) / 16.37 .The conducted power is limited to 10 mW.

※ 2 : Frequency Band 2 (2387MHz ~ 2400MHz)

※ 5 : Frequency Band 5 (30MHz ~ 1,000GHz)

※ 8 The calculated A is smaller than 1 by definition A becomes 1.

※ 3 : Frequency Band 3 (more than 2,483.5MHz ~ 2,496.5GHz)

※ 6 : Frequency Band 6 (1,000MHz ~ 12.5GHz)

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## Test Report (AFH)

Specified Radio Equipment	Class	Article 2 Paragraph 1 Item 19	Model	PIXI-9377	Test Date	2018/7/16
	Type of Emission	GID	Serial No.		Test Location	Compliance Certification Services Inc. No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan R.O.C.
	Modulation Type	FHSS (GFSK)	Antenna Power	0.2[mW/MHz]	Temp. / Humid.	25°C / 55%
	Frequency	AFH (1MHz separation 20CH)			Test Conducted By	
					Name	Dally.Hong
					Department	RF Testing Department

## 2. Test Results

Testing for Electrical Specification	Test Voltage	V	Normal Voltage ( 5V )		High Voltage + 10 % ( 5.5 V )		Low Voltage - 10 % ( 4.5 V )		Remarks
	Test Frequency	MHz		2441					
	Measured Frequency	MHz							
	Frequency Error	ppm							±50 ppm within
	Occupied Bandwidth	MHz		18.573					83.5 MHz or below
	Spread-spectrum Bandwidth	MHz		17.375					500 kHz or more
	※ 1	μW/MHz							2.5 uW/MHz or below
	※ 2	μW/MHz							25 uW/MHz or below
	※ 3	μW/MHz							25 uW/MHz or below
	※ 4	μW/MHz							2.5 uW/MHz or below
	Antenna Power (EIRP) (AFH)	dBm/MHz		-3.99920					Antenna Gain : Bluetooth = 4[dBi] Limit 6.91dBm/MHz
	Antenna Power (Conductive) (AFH)	mW/MHz		0.15852					3 mW/MHz or below
	Antenna Power Error (AFH)	mW/MHz		-0.04148					
		%		-20.74					+ 20 , - 80 % within
	※ 7	A		0.02					A = EIRP (in mW) / 16.37
	※ 8	degrees		360.00					360/A
	Limitation of Collateral Emission of Receiver	nW/MHz							4 nW or below
	※ 5	nW/MHz							20 nW or below
	※ 6	nW/MHz							
	Hopping Frequency Dwell Time (DH5)	sec							0.4 sec or below
	Radio Interference Prevention Function	ID Code	MAC Address ( 6147AA103102 )						
		Carrier Sense							

※ 1 : Frequency Band 1 (30MHz ~ less than 2387MHz)

※ 4 : Frequency Band 4 (2,496.5MHz ~ less than 12.5GHz)

※ 7 : A is equal to EIRP (in mW) / 16.37 .The conducted power is limited to 10 mW.

※ 2 : Frequency Band 2 (2387MHz ~ 2400MHz)

※ 5 : Frequency Band 5 (30MHz ~ 1,000GHz)

※ 8 The calculated A is smaller than 1 by definition A becomes 1.

※ 3 : Frequency Band 3 (more than 2,483.5MHz ~ 2,496.5GHz)

※ 6 : Frequency Band 6 (1,000MHz ~ 12.5GHz)

## 2.2 BLUETOOTH (CH0~CH78) (FOR 8DPSK)

APPLIED STANDARD: ARIB STD T-66 Ver.3.7			
Standard Section	Report Section	Test Type and Limit	Test Result
<b>General provisions</b>			
5	7.1	Frequency Error	PASS
6	7.3	Occupied Bandwidth	PASS
7	7.2	Spurious Emissions Intensity	PASS
<b>Transmitting equipment</b>			
14	2.2	Antenna Power	PASS
14.2	-	SAR	-
<b>Transmitting antenna</b>			
20	3	Type, Configuration, etc., of Transmitting Antenna	PASS
22	-	Direction Pattern of Transmitting Antenna (Provided at Individual Antenna Report)	PASS
<b>Receiving antenna</b>			
24	7.5	Limitation of Collateral Emission of Receiver	PASS
26	3	Refer to All Articles for Transmitting Antenna	PASS
<b>Operating frequency 2400~2483MHz</b>			
49.20(1);a	4.3	RF Shielding Method	PASS
49.20(1);a	3	Communication Method	PASS
49.20(1);b	3	Spread-spectrum Method	PASS
49.20(1);d	-	Absolute Antenna Gain (Provided at Individual Antenna Report)	PASS
49.20(1);e	7.4	Spread-Spectrum Bandwidth	PASS
49.20(1);g	7.6	Hopping Frequency Dwell Time (FH employed)	PASS





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## Test Report

Test Date	2018/7/16
Test Location	Compliance Certification Services Inc. No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan R.O.C.
Temp. / Humid.	25°C / 55%
Test Conducted By	
Name	Dally.Hong
Department	RF Testing Department

Specified Radio Equipment	Class	Article 2 Paragraph 1 Item 19	Model	PIXI-9377
	Type of Emission	GID	Serial No.	1
	Modulation Type	FHSS (8DPSK)	Antenna Power	0.09[mW/MHz]
	Frequency	2402 ~ 2480 MHz (1MHz separation 79CH)		

## 2. Test Results

Testing for Electrical Specification	Test Voltage		V			Normal Voltage ( 5V )			High Voltage + 10 % ( 5.5 V )			Low Voltage - 10 % ( 4.5 V )			Remarks	
	Test Frequency		MHz		2402		2441		2480							
	Measured Frequency		MHz		2402.00796		2441.00724		2480.00724							
	Frequency Error		ppm		3.31		2.97		2.92						±50 ppm within	
	Occupied Bandwidth		MHz				78.263								83.5 MHz or below	
	Spread-spectrum Bandwidth		MHz				23.618								500 kHz or more	
	Spurious Emission Intensity		※ 1	μW/MHz	0.15922		0.14997		0.15031						2.5 uW/MHz or below	
			※ 2	μW/MHz	8.09096		0.15311		0.13932						25 uW/MHz or below	
			※ 3	μW/MHz	0.17579		0.18450		0.38815						25 uW/MHz or below	
			※ 4	μW/MHz	0.61802		0.57148		0.57148						2.5 uW/MHz or below	
	Test Frequency						Hopping									
	Antenna Power (EIRP)		dBm/MHz				-8.62242								Antenna Gain : Bluetooth = 4[dBi] Limit 6.91dBm/MHz	
	Antenna Power (Conductive)		mW/MHz				0.05467								3 mW/MHz or below	
	Antenna Power Error		mW/MHz				-0.03533									
			%				-39.25								+ 20 , - 80 % within	
	A-factor		※ 7	A			0.01								A = EIRP (in mW) / 16.37	
			※ 8	degrees			360.00								360/A	
	Limitation of Collateral Emission of Receiver		※ 5	nW/100kHz			0.01977								4 nW or below	
			※ 6	nW/MHz			0.54702								20 nW or below	
	Hopping Frequency Dwell Time (DH5)		sec				0.14696								0.4 sec or below	
	Radio Interference Prevention Function		ID Code		MAC Address ( 6147AA103102 )											
			Carrier Sense													

※ 1 : Frequency Band 1 (30MHz ~ less than 2387MHz)

※ 2 : Frequency Band 2 (2387MHz ~ 2400MHz)

※ 3 : Frequency Band 3 (more than 2,483.5MHz ~ 2,496.5GHz)

※ 4 : Frequency Band 4 (2,496.5MHz ~ less than 12.5GHz)

※ 5 : Frequency Band 5 (30MHz ~ 1,000GHz)

※ 6 : Frequency Band 6 (1,000MHz ~ 12.5GHz)

※ 7 : A is equal to EIRP (in mW) / 16.37 .The conducted power is limited to 10 mW.

※ 8 The calculated A is smaller than 1 by definition A becomes 1.

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## Test Report (AFH)

					Test Date	2018/7/16
					Test Location	Compliance Certification Services Inc. No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan R.O.C.
Specified Radio Equipment	Class	Article 2 Paragraph 1 Item 19	Model	PIXI-9377	Temp. / Humid.	25℃ / 55%
	Type of Emission	G1D	Serial No.	1	Test Conducted By	
	Modulation Type	FHSS (8DPSK)	Antenna Power	0.2[mW/MHz]	Name	Dally.Hong
	Frequency	AFH (1MHz separation 20CH)			Department	RF Testing Department

## 2. Test Results

Testing for Electrical Specification	Test Voltage	V	Normal Voltage ( 5V )			High Voltage + 10 % ( 5.5 V )			Low Voltage - 10 % ( 4.5 V )			Remarks
	Test Frequency	MHz		2441								
	Measured Frequency	MHz										
	Frequency Error	ppm										±50 ppm within
	Occupied Bandwidth	MHz		19.904								83.5 MHz or below
	Spread-spectrum Bandwidth	MHz		6.069								500 kHz or more
	※ 1	μW/MHz										2.5 uW/MHz or below
	※ 2	μW/MHz										25 uW/MHz or below
	※ 3	μW/MHz										25 uW/MHz or below
	※ 4	μW/MHz										2.5 uW/MHz or below
	Antenna Power (EIRP) (AFH)	dBm/MHz		-2.72093								Antenna Gain : Bluetooth = 4[dBi] Limit 6.91dBm/MHz
	Antenna Power (Conductive) (AFH)	mW/MHz		0.21277								3 mW/MHz or below
	Antenna Power Error (AFH)	mW/MHz		0.01277								
		%		6.38								+ 20 , - 80 % within
	※ 7	A		0.03								A = EIRP (in mW) / 16.37
	※ 8	degrees		360.00								360/A
	Limitation of Collateral Emission of Receiver	※ 5 nW/100KHz										4 nW or below
		※ 6 nW/MHz										20 nW or below
	Hopping Frequency Dwell Time (DH5)	sec										0.4 sec or below
	Radio Interference Prevention Function	ID Code	MAC Address ( 6147AA103102 )									
		Carrier Sense										

※ 1 : Frequency Band 1 (30MHz ~ less than 2387MHz)

※ 4 : Frequency Band 4 (2,496.5MHz ~ less than 12.5GHz)

※ 7 : A is equal to EIRP (in mW) / 16.37 .The conducted power is limited to 10 mW.

※ 2 : Frequency Band 2 (2387MHz ~ 2400MHz)

※ 5 : Frequency Band 5 (30MHz ~ 1,000GHz)

※ 8 : The calculated A is smaller than 1 by definition A becomes 1.

※ 3 : Frequency Band 3 (more than 2,483.5MHz ~ 2,496.5GHz)

※ 6 : Frequency Band 6 (1,000MHz ~ 12.5GHz)

**2.3 BLUETOOTH 5.0 (CH0~CH39) (FOR GFSK)**

APPLIED STANDARD: ARIB STD T-66 Ver.3.7			
Standard Section	Report Section	Test Type and Limit	Test Result
<b>General provisions</b>			
5	8.1	Frequency Error	PASS
6	8.4	Occupied Bandwidth	PASS
7	8.3	Spurious Emissions Intensity	PASS
<b>Transmitting equipment</b>			
14	2.3	Antenna Power	PASS
14.2	-	SAR	-
<b>Transmitting antenna</b>			
20	3	Type, Configuration, etc., of Transmitting Antenna	PASS
22	-	Direction Pattern of Transmitting Antenna (Provided at Individual Antenna Report)	PASS
<b>Receiving antenna</b>			
24	8.5	Limitation of Collateral Emission of Receiver	PASS
26	3	Refer to All Articles for Transmitting Antenna	PASS
<b>Operating frequency 2400~2483MHz</b>			
49.20(1);a	4.3	RF Shielding Method	PASS
49.20(1);a	3	Communication Method	PASS
49.20(1);b	3	Spread-spectrum Method	PASS
49.20(1);d	-	Absolute Antenna Gain (Provided at Individual Antenna Report)	PASS
49.20(1);e	6.5	Spread-Spectrum Bandwidth	-



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## Test Report

Specified Radio Equipment	Class	Article 2 Paragraph 1 Item 19	Model	PIXI-9377	Test Date	2018/7/16
	Type of Emission	F1D	Serial No.	1	Test Location	Compliance Certification Services Inc. No.11, Wugong 6th Rd., Wugu Dist., Xinbei City 24891, Taiwan R.O.C.
	Modulation Type	GFSK	Antenna Power	2[mW]	Temp. / Humid.	25°C / 52%
	Frequency	2402 ~ 2480 MHz			Test Conducted By	
					Name	Dally.Hong
					Department	RF Testing Department

## 2. Test Results

Test Voltage		V	Normal Voltage ( 5V )			High Voltage + 10 % ( 5.5 V )			Low Voltage - 10 % ( 4.5 V )			Remarks	
Testing for Electrical Specification	Test Frequency	MHz	2402.00	2440.00	2480.00								
	Measured Frequency	MHz	2402.00796	2440.00796	2480.00796								
	Frequency Error	ppm	3.31	3.26	3.21							±50 ppm within	
	Occupied Bandwidth	MHz	1.32	1.29	1.29							26 MHz or below	
	Spurious Emission Intensity	※1	μW/MHz	0.15849	0.17338	0.17458							2.5 uW/MHz or below
		※2	μW/MHz	1.67880	0.16255	0.16255							25 uW/MHz or below
		※3	μW/MHz	0.15776	0.17906	0.29854							25 uW/MHz or below
		※4	μW/MHz	0.49659	0.52360	0.58884							2.5 uW/MHz or below
	Antenna Power (EIRP)	dBm	6.72000	7.27000	7.69000							Antenna Gain = 4	
	Antenna Power (Conductive)	mW	1.87068	2.12324	2.33884							10 mW or below	
	Antenna Power Error	mW	-0.12932	0.12324	0.33884								
		%	-6.47	6.16	16.94							+ 20 , - 80 % within	
	A-factor	※ 7	A	0.29	0.33	0.36							A = EIRP (in mW) / 16.37
		※ 8	degrees	360	360	360							360/A
	Limitation of Collateral Emission of Receiver	※ 5	nW/MHz	0.12190									4 nW or below
		※ 6	nW/MHz	0.48753									20 nW or below
Hopping Frequency Dwell Time		sec											
Radio Interference Prevention Function		ID Code	MAC Address ( 6147AA103102 )										
		Carrier Sense											

※ 1 : Frequency Band 1 (30MHz ~ less than 2387MHz)

※ 4 : Frequency Band 4 (2,496.5MHz ~ less than 12.5GHz)

※ 7 :A is equal to EIRP (in mW) / 16.37 .The conducted power is limited to 10 mW.

※ 2 : Frequency Band 2 (2387MHz ~ 2400MHz)

※ 5 : Frequency Band 5 (30MHz ~ 1,000GHz)

※ 8 The calculated A is smaller than 1 by definition A becomes 1.

※ 3 : Frequency Band 3 (more than 2,483.5MHz ~ 2,496.5GHz)

※ 6 : Frequency Band 6 (1,000MHz ~ 12.5GHz)

### 3 EUT DESCRIPTION

<b>Product</b>	WiFi+Bluetooth 5.0(HS) System on Module
<b>Trade Name</b>	TechNexion
<b>Model Number</b>	PIXI 9377
<b>Power Supply</b>	Power from host device. (DC 5V)
<b>Model Discrepancy</b>	N/A
<b>Frequency Range</b>	Bluetooth (CH0~78): 2402~2480MHz Bluetooth (CH0~39): 2402~2480MHz
<b>Rated Antenna Power</b>	Bluetooth 2.0 for GFSK: 0.09mW/MHz(Normal) Bluetooth 2.0 for GFSK: 0.2mW/MHz(AFH) Bluetooth 2.0 for 8DPSK: 0.09mW/MHz(Normal) Bluetooth 2.0 for 8DPSK: 0.2mW/MHz(AFH) Bluetooth 5.0: 2mW
<b>Measured Antenna Power</b>	Bluetooth 2.0 for GFSK: 0.09742mW/MHz(Normal) Bluetooth 2.0 for GFSK: 0.15852mW/MHz(AFH) Bluetooth 2.0 for 8DPSK: 0.05467mW/MHz(Normal) Bluetooth 2.0 for 8DPSK: 0.21277mW/MHz(AFH) Bluetooth 5.0: 2.33884mW
<b>Modulation Technique</b>	Bluetooth: FHSS (GFSK , $\pi/4$ -DQPSK , 8DPSK) Bluetooth 5.0: GFSK
<b>Number of Channels</b>	Bluetooth (CH0~78): 79 channels Bluetooth 5.0(CH0~39): 40 channels
<b>Antenna Specification</b>	FPC Antenna: Gain: 2.5 dBi Dipole Antenna: Gain: 4 dBi
<b>Hardware Version</b>	A1
<b>Software Version</b>	1.0

**Remark:**

1. For more details, please refer to the User's manual of the EUT.
2. Disclaimer: Antenna information is provided by the applicant, test results of this report are applicable to the sample EUT received.

## 4 TEST METHODOLOGY & CONDITIONS

### 4.1 TEST CONDITIONS

Voltage Fluctuation Test	Normal Voltage	High Voltage + 10% of Normal Voltage	Low Voltage - 10% of Normal Voltage
Input DC Power	5	5.5	4.5
Output DC Power	3.31	3.31	3.3
Voltage Variation (%)	-	0.000000	-0.302115

Voltage Variation (%) = (Output High or Low Voltage - Output Normal Voltage) / Output Normal Voltage \* 100

During the input supply voltage to the EUT from the external power source is varied by +/- 10%, if output voltage had been confirmed that the fluctuation of power supply to the RF circuit of EUT (excluding power source) is equal to or less than +/- 1%.Exempt extremely high and low supply voltage condition tests, EUT only operated in normal voltage to test all regulations.

### 4.2 DESCRIPTION OF TEST MODES

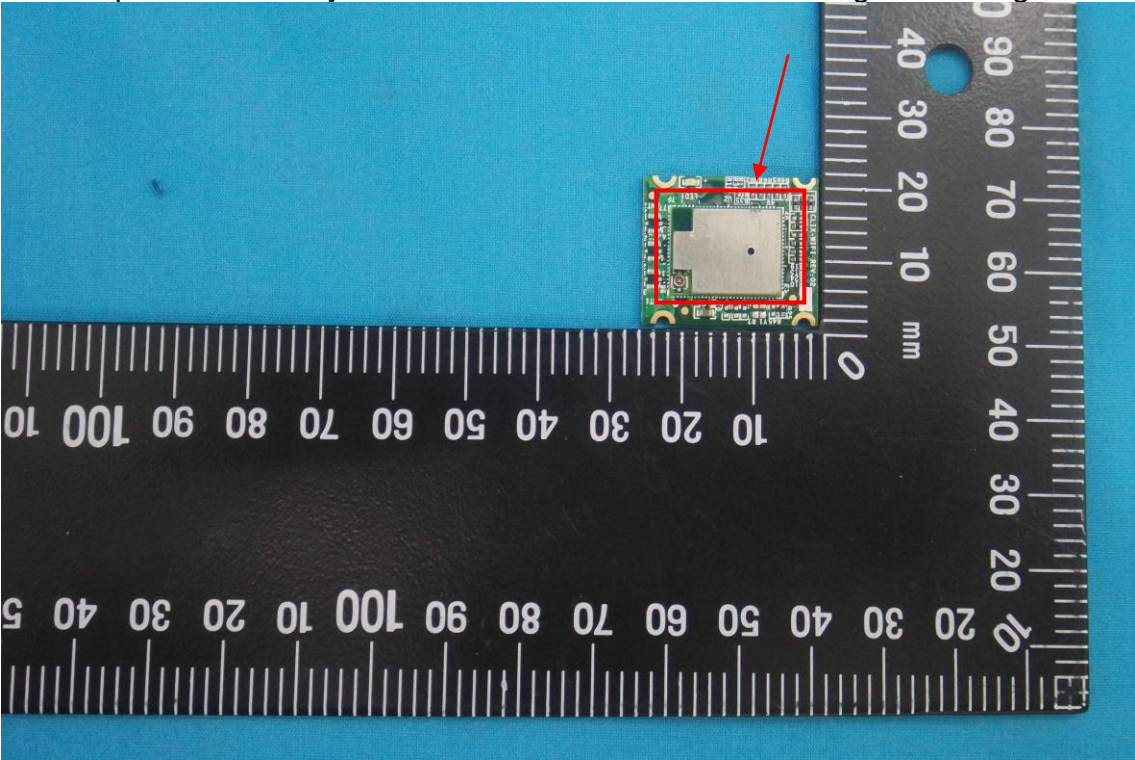
The EUT (model: PIXI-9377) had been tested under operating condition.

Software used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

Bluetooth BLE: Measurement was conducted by the following test method.

### 4.3 RF SHIELDING METHOD

The RF part is not easily accessible because the EUT is using a shielding case as below.



### 4.4 SETUP OF EQUIPMENT UNDER TEST

#### Setup Diagram

See test photographs attached in Appendix 1 for the actual connections between EUT and support equipment.

#### Support Equipment

No	Equipment	Trade Name	Model	Serial No.	FCC ID	Data Cable	Power Cord
	N/A						



## 5 INSTRUMENT AND CALIBRATION

### 5.1 MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated once a year or in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

### 5.2 TEST AND MEASUREMENT EQUIPMENT

The following list contains measurement equipment used for testing. The equipment conforms to the requirement of CISPR 16-1, ANSI C63.2 and other equivalent standards.

Calibration of all test and measurement, including any accessories that may effect such calibration, is checked frequently to ensure the accuracy. Adjustments are made and correction factors are applied in accordance with the instructions contained in the respective manual.

#### Equipment Used for Emission Measurement

Remark: Each piece of equipment is scheduled for calibration once a year.

Conducted Emission Test Site							
Name of Equipment	Manufacturer	Model	Serial Number	Cal Date	Cal Due	Calibration Lab.	Accreditation Organization of the Cal. Lab
Cable	HUBER SUHNER	SUCOFL EX 104PEA	25157	07/31/2017	07/30/2018	ETC	TAF
Directional Couplers	Agilent	87301D	MY443502 52	07/25/2017	07/24/2018	ETC	TAF
Power Meter	Anritsu	ML2495A	1012009	09/18/2017	09/17/2018	ETC	TAF
Power Seneor	Anritsu	MA2411B	1126148	02/06/2018	02/05/2019	ETC	TAF
S.G.	Agilent	E8257C	US4234038 3	07/06/2018	07/05/2019	ETC	TAF
Signal Analyzer	R&S	FSV 40	101073	10/02/2017	10/01/2018	ETC	TAF
Divider	Solvang Technology	STI08-001 5	008	N.C.R	N.C.R	ETC	TAF



### 5.3 MEASUREMENT UNCERTAINTY

PARAMETER	UNCERTAINTY
RF Output Power	$\pm 1.7993$
Frequency Tolerance	$\pm 1.7991$
Unwanted Emission strength	$\pm 1.7997$
Occupied Bandwidth (99%)	$\pm 1.7991$
Spread-Spectrum Bandwidth (90%)	$\pm 1.7991$
Limitation of collateral emissions of receiver	$\pm 1.7999$

**Remark:**

1. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k=2$
2. ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report.



## 5.4 CALIBRATION

### (1) Spectrum Analyser and Power Meter

Signal Generator (dBm)	Spectrum Analyser (dBm)	Power Meter (dBm)	Remark
0	-0.81	-0.20	• Frequency : 2450MHz • ATT : 10dB • RLV: 0dBm • RBW, VBW : 1MHz • SP: 0Hz
-5	-5.81	-5.39	
-10	-10.75	-10.53	

Remark: For FHSS, connect SG to SA with cable and 10dB external attenuator. Connect SG to power meter with cable and 10dB external attenuator.

### (2) Spectrum Analyser

Signal Generator (dBm)	Spectrum Analyser (MHz)	Tolerance (Hz)	Remark
2,450.00	2,450.000580	580	• SG: -10dBm • RBW, VBW : 10kHz, SP: 100kHz

### 1.2 Cable Factor Measurement

Signal Generator (dBm)	Direct Power Meter (dBm)	Cable + Att Power Meter (dBm)	Cable Factor (dB)	Remark
1,000.00	0.21	-10.16	10.37	• SG: 0dBm
2,450.00	-0.20	-10.81	10.61	
5,250.00	-0.51	-11.43	10.92	
12,500.00	-2.64	-13.61	10.97	



## 6 TEST RESULT FOR BLUETOOTH (CH0~CH78) (FOR GFSK)

### 6.1 FREQUENCY ERROR

#### TEST RESULT

Frequency (MHz)	Reading (MHz)	Deviation (Hz)	Tolerance (ppm)	Remark
2402.0000	2402.006510	6510	2.7102	Normal Voltage
2441.0000	2441.006510	6510	2.6669	
2480.0000	2480.007240	7240	2.9194	

### 6.2 ANTENNA POWER

#### NORMAL

Frequency (MHz)	Spectrum Analyser (dBm/MHz)	Cable Factor (dB)	Output Power (mW/MHz)	EIRP Power (dBm/MHz)	Remark
					Normal Voltage
Hopping	-2.22	10.61	0.09742	-6.11363	

#### AFH

Frequency (MHz)	Spectrum Analyser (dBm/MHz)	Cable Factor (dB)	Output Power (mW/MHz)	EIRP Power (dBm/MHz)	Remark
					Normal Voltage
Hopping	-6.21	10.61	0.15852	-3.99920	

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6.3 SPURIOUS EMISSIONS INTENSITY

TEST RESULT

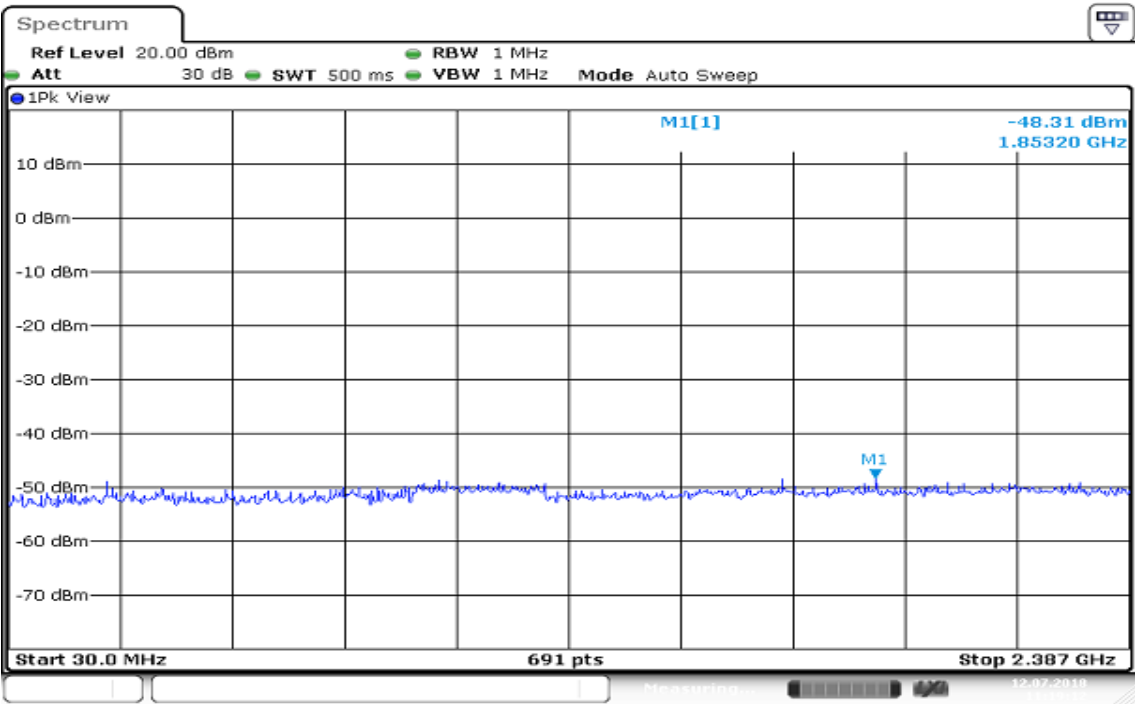
30MHz ~ 2387MHz

(1) Spurious Emission Intensity : 30MHz~less than 2,387MHz

Frequency (MHz)	Reading (MHz)	Reading (dBm)	Cable Factor (dB)	Result (μW/MHz)	Remark
2402.0000	1853.2000	-48.31	10.37	0.16069	Normal Voltage
2441.0000	939.0000	-48.08	10.37	0.16943	
2480.0000	2265.9000	-48.63	10.37	0.14928	

TEST PLOTS

CH Low



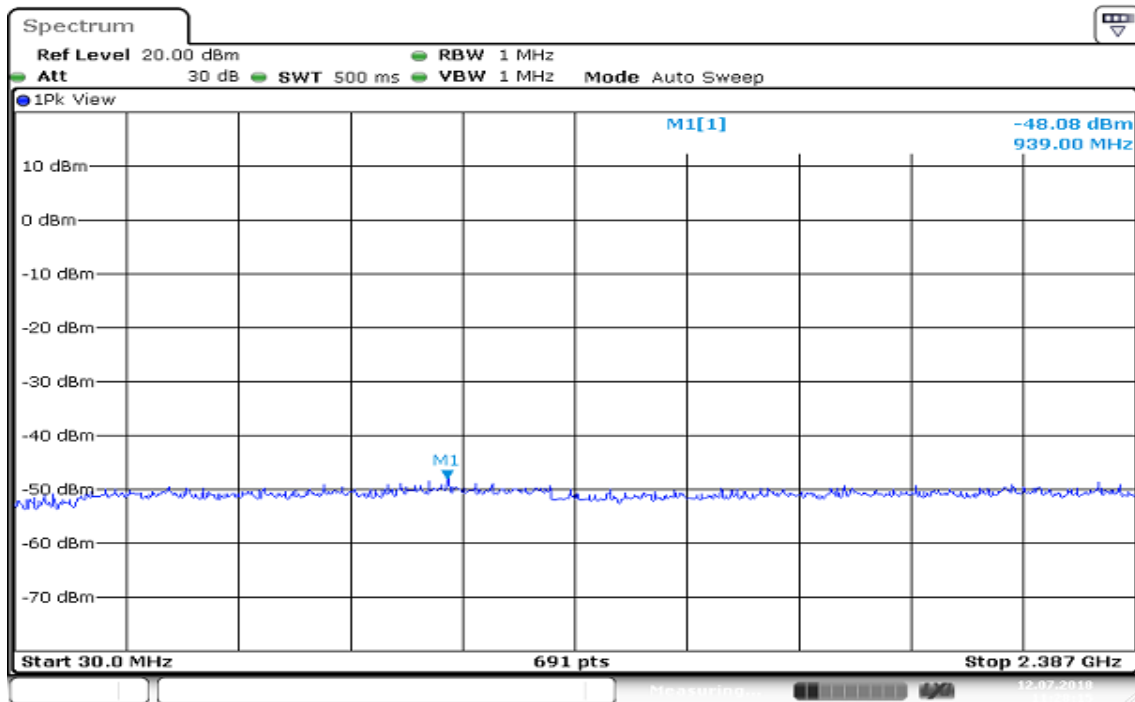
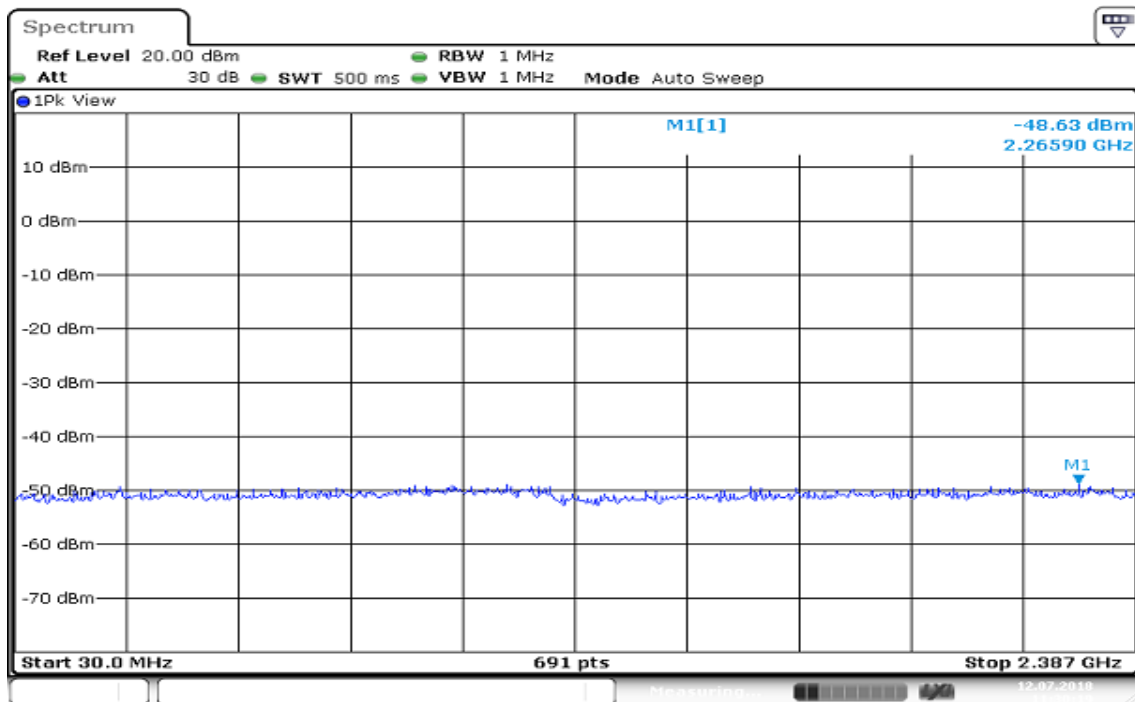
Date: 12 JUL 2018 11:19:12



Report No.: TMWK2205002083KR

Ref. No.: T180627D12-RJ2

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**CH Mid****CH High**

TEST RESULT

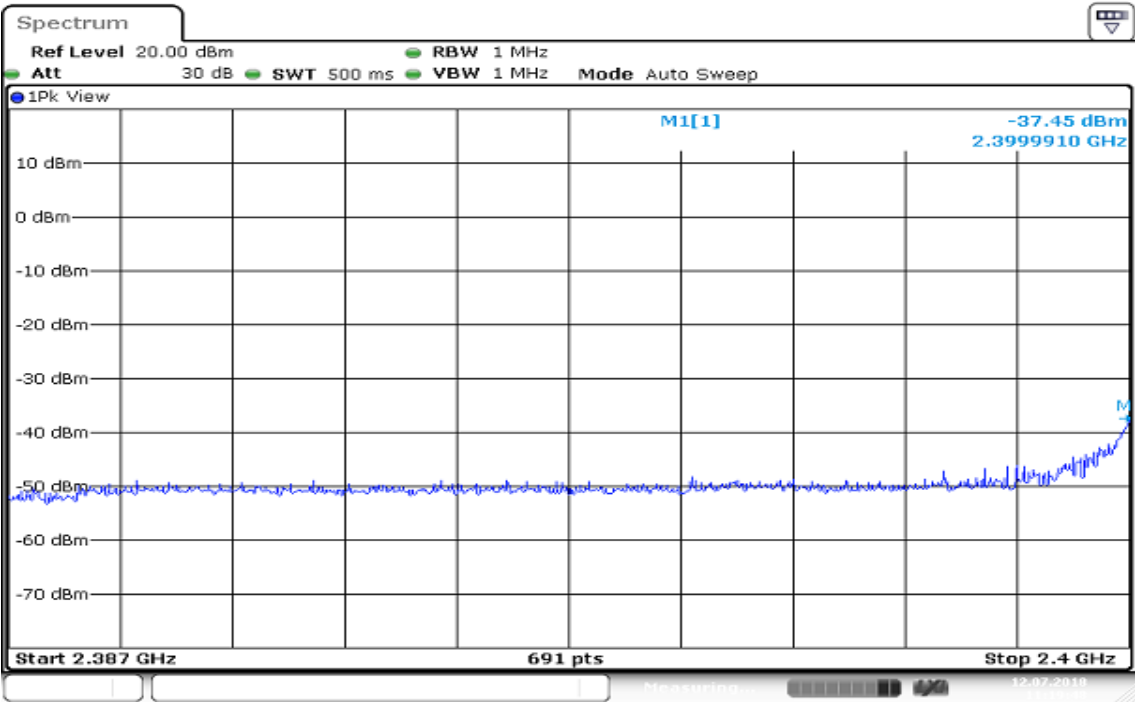
2387MHz ~ 2400MHz

(2) Spurious Emission Intensity : 2,387MHz~less than 2,400MHz

Frequency (MHz)	Reading (MHz)	Reading (dBm)	Cable Factor (dB)	Result (μW/MHz)	Remark
2402.0000	2399.9910	-37.45	10.61	2.07014	Normal Voltage
2441.0000	2399.9720	-48.81	10.61	0.15136	
2480.0000	2399.2000	-47.92	10.61	0.18578	

TEST PLOTS

CH Low



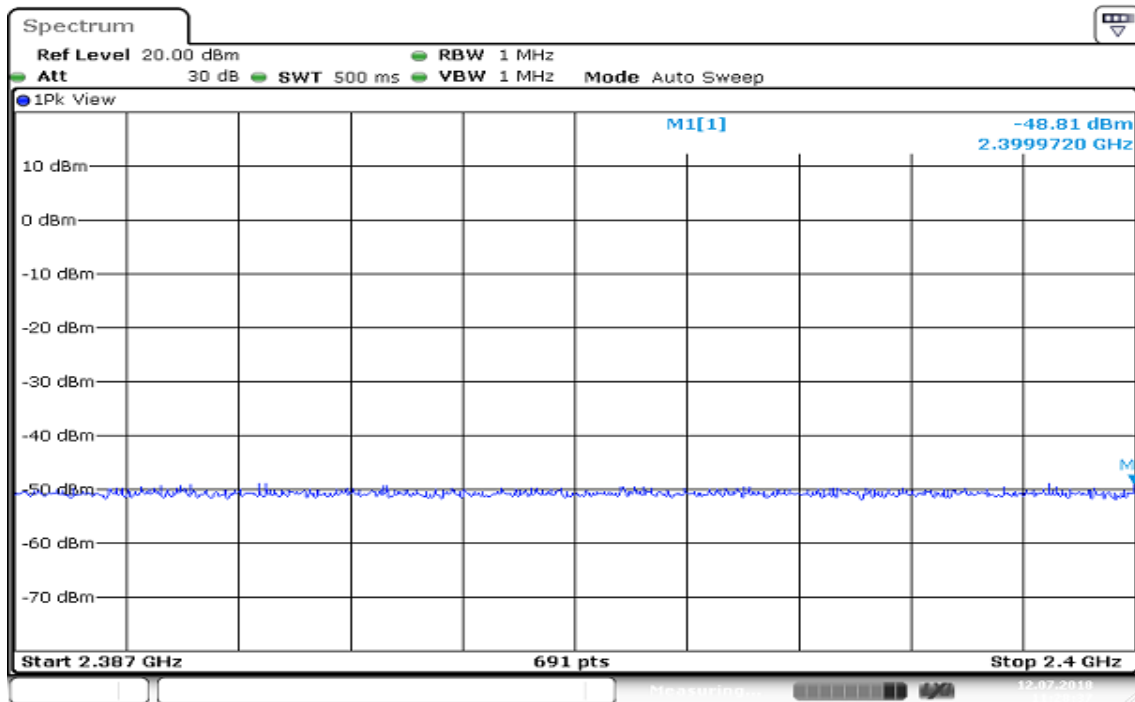
Date: 12 JUL 2018 11:19:48

Report No.: TMWK2205002083KR

Ref. No.: T180627D12-RJ2

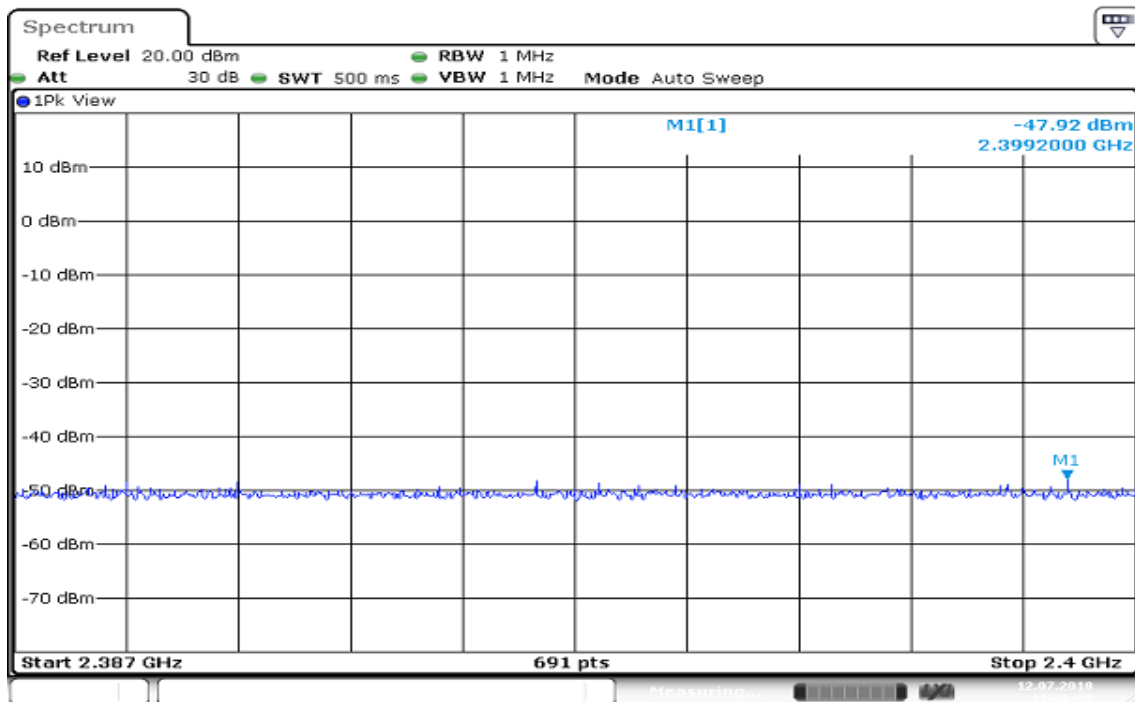
Rev.: 02

## CH Mid



Date: 12 JUL 2018 11:28:38

## CH High



Date: 12 JUL 2018 11:30:38



Report No.: TMWK2205002083KR

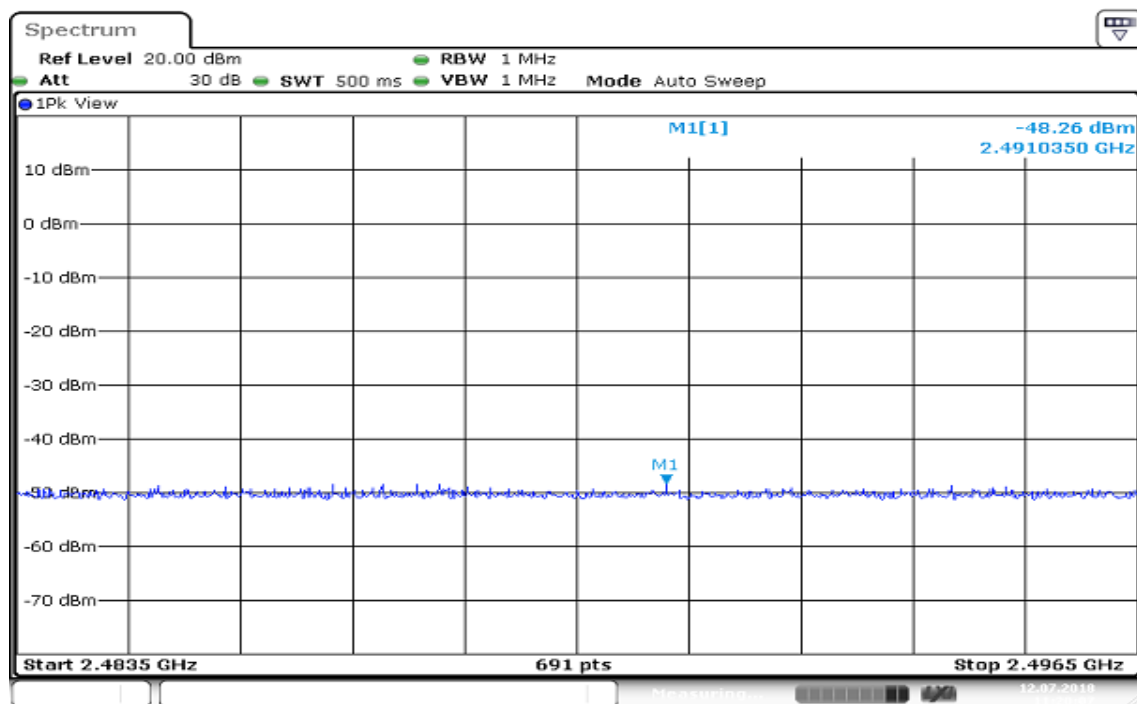
Ref. No.: T180627D12-RJ2

Rev.: 02

**TEST RESULT****2483.5MHz ~ 2496.5MHz**

(3) Spurious Emission Intensity : 2,483.5MHz~2,496.5MHz

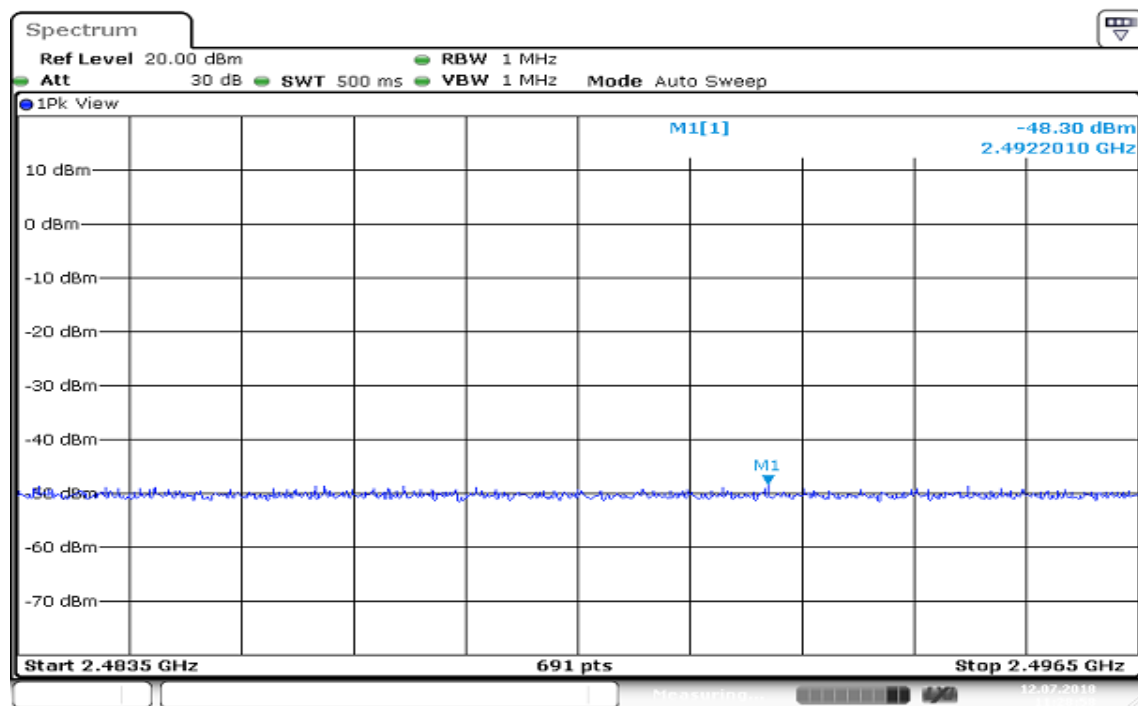
Frequency (MHz)	Reading (MHz)	Reading (dBm)	Cable Factor (dB)	Result (μW/MHz)	Remark
2402.0000	2485.8610	-48.26	10.61	0.17179	Normal Voltage
2441.0000	2492.2010	-48.30	10.61	0.17022	
2480.0000	2483.7350	-46.23	10.61	0.27416	

**TEST PLOTS****CH Low**

Date: 12 JUL 2018 11:20:08

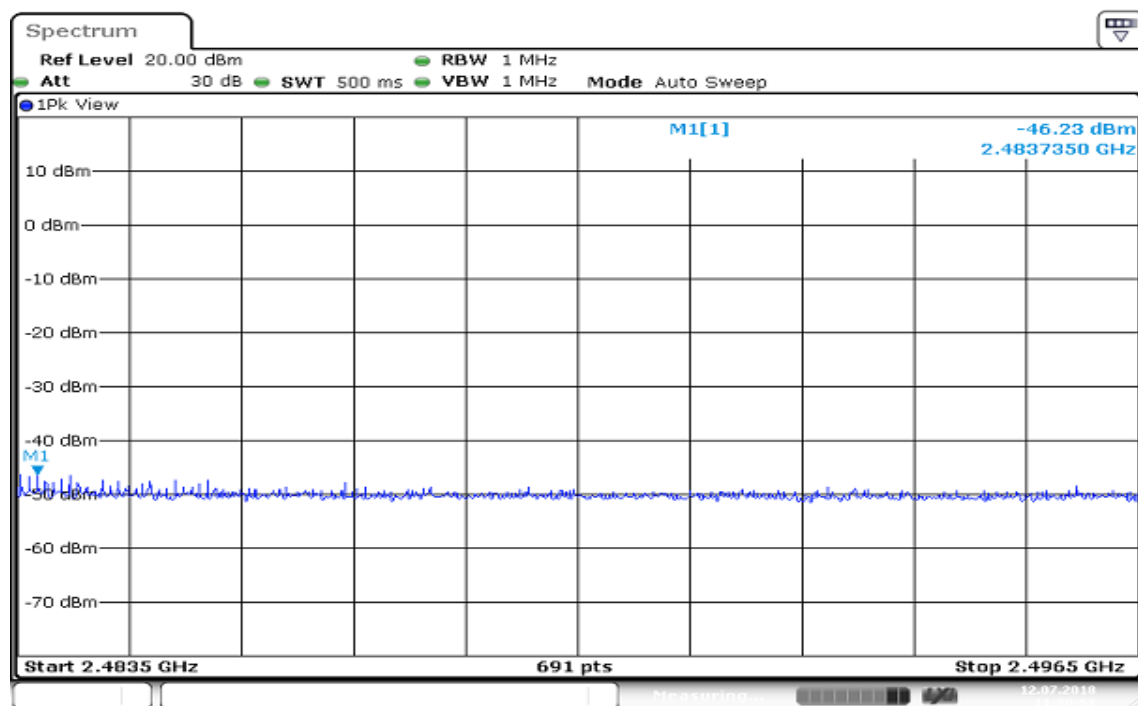


**CH Mid**



Date: 12 JUL 2018 11:28:58

**CH High**



Date: 12 JUL 2018 11:30:57

TEST RESULT

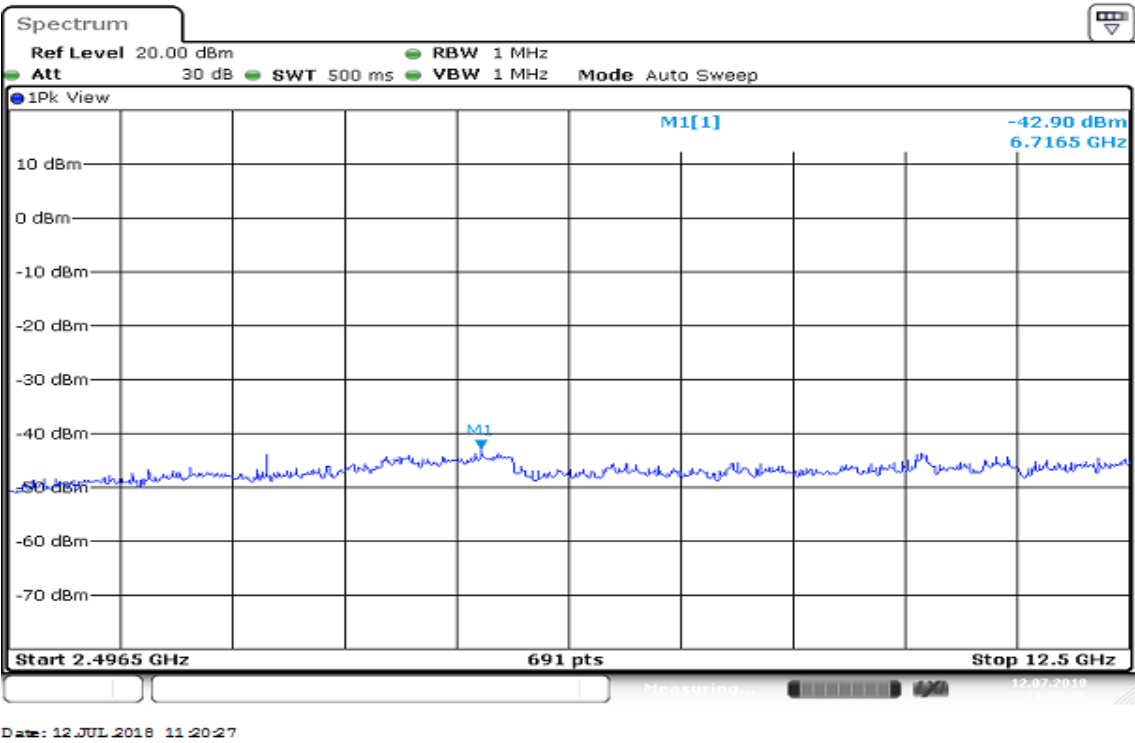
2496.5MHz~12.5GHz

(4) Spurious Emission Intensity : more than 2,496.5MHz~12.5GHz

Frequency (MHz)	Reading (MHz)	Reading (dBm)	Cable Factor (dB)	Result (μW/MHz)	Remark
2402.0000	6730.5000	-42.90	10.61	0.59020	Normal Voltage
2441.0000	4877.5000	-43.05	10.61	0.57016	
2480.0000	6977.5000	-43.53	10.61	0.51050	

TEST PLOTS

CH Low

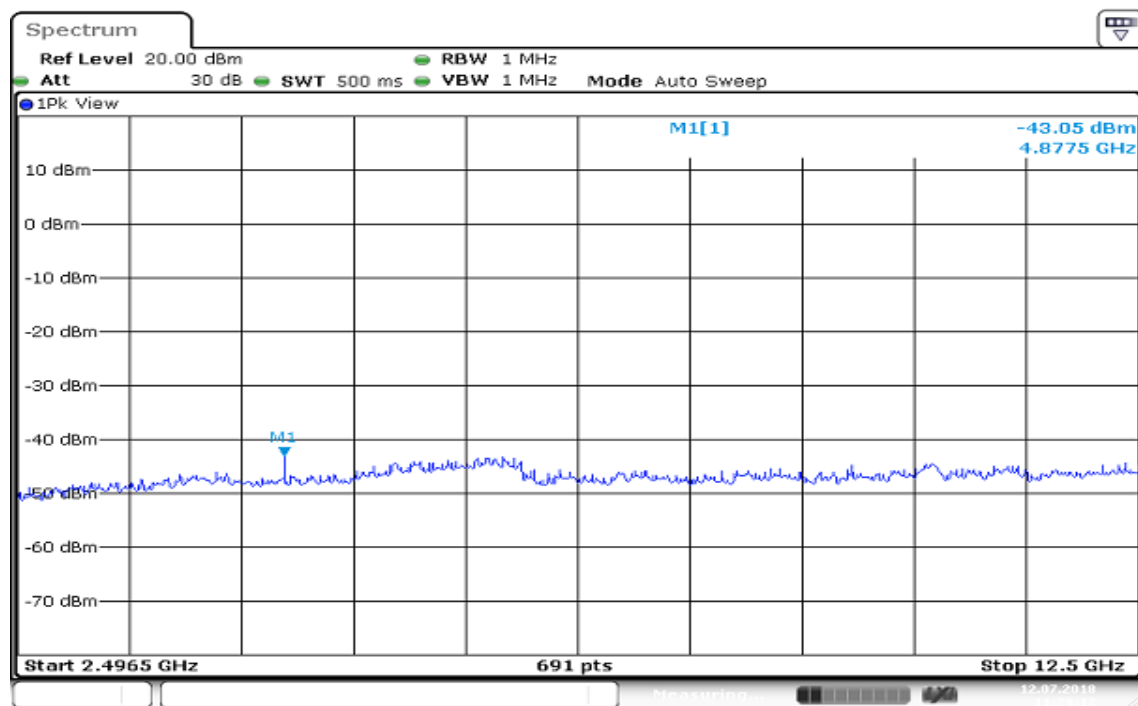


Report No.: TMWK2205002083KR

Ref. No.: T180627D12-RJ2

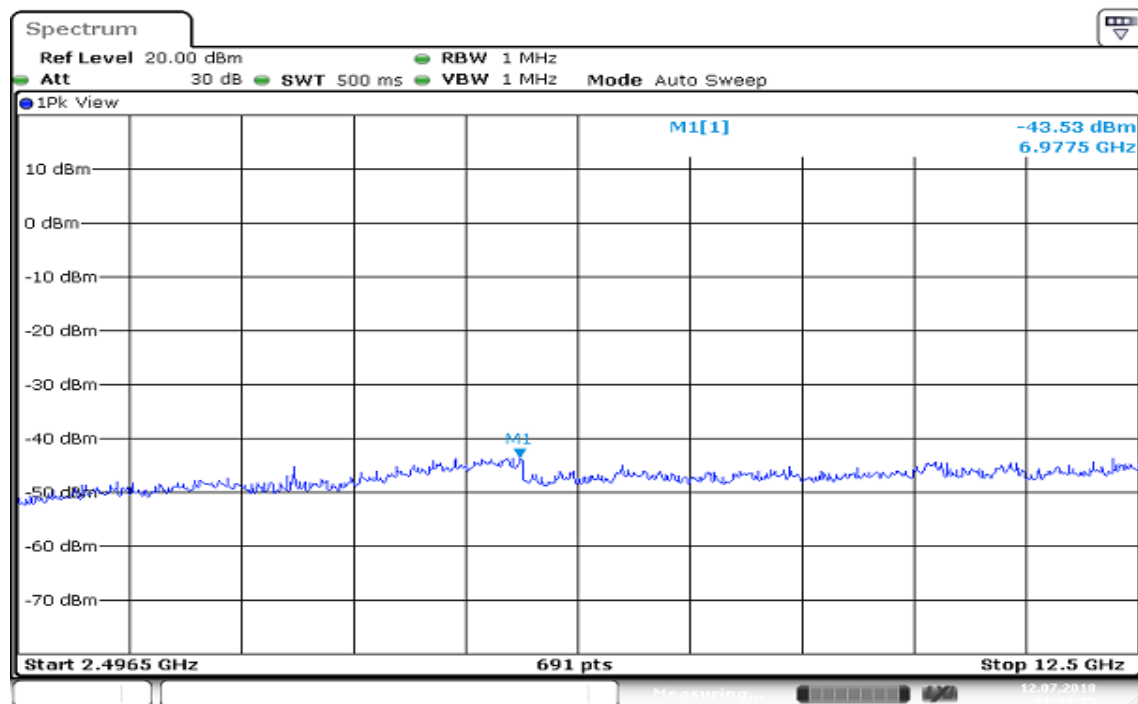
Rev.: 02

## CH Mid



Date: 12 JUL 2018 11:29:17

## CH High



Date: 12 JUL 2018 11:31:16

Report No.: TMWK2205002083KR

Ref. No.: T180627D12-RJ2

Rev.: 02

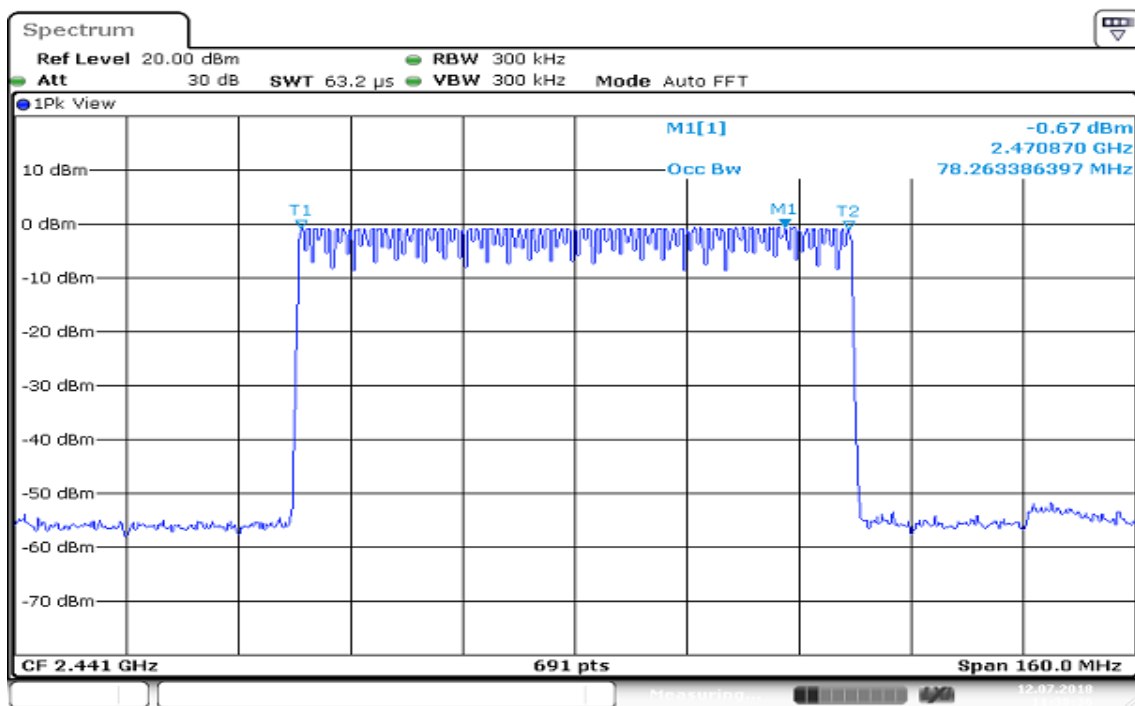
## 6.4 OCCUPIED BANDWIDTH –NORMAL (99%)

### TEST RESULT

Frequency (MHz)	Center Frequency (MHz)	Bandwidth (MHz)	Remark
Hopping	2441	78.26	Normal Voltage

### TEST PLOTS

#### Hopping



Date: 12 JUL 2018 11:38:36

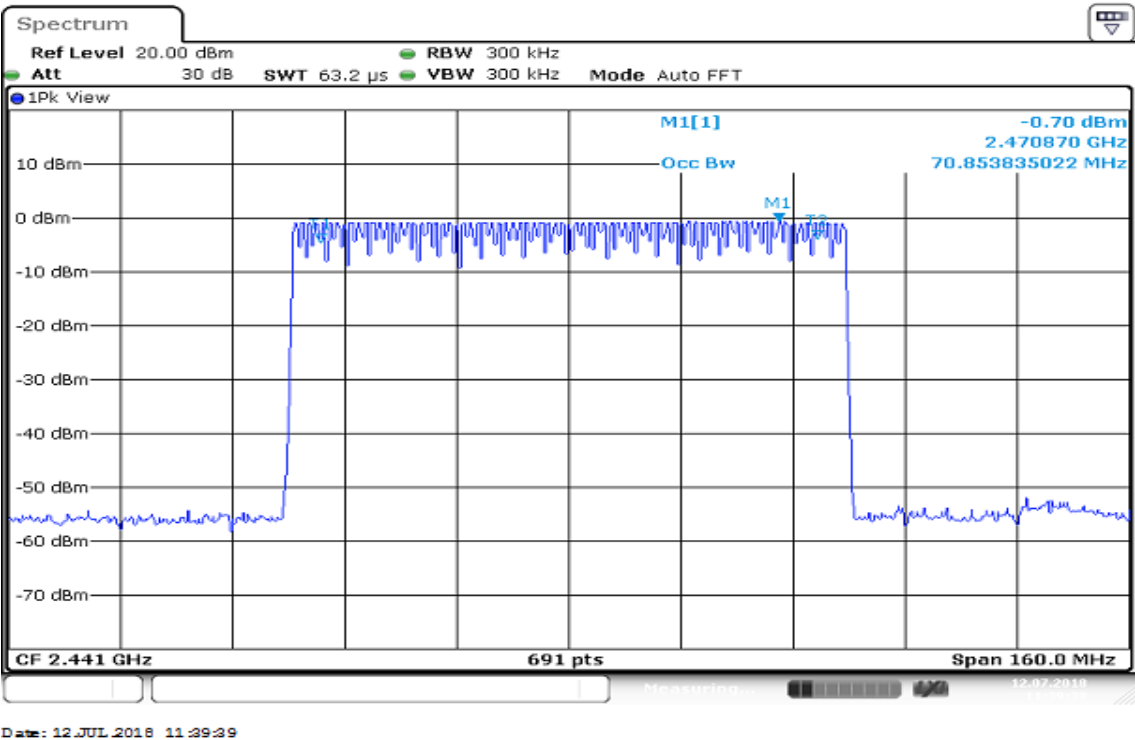
6.5 SPREAD-SPECTRUM BANDWIDTH –NORMAL (90%)

TEST RESULT

Frequency (MHz)	Center Frequency (MHz)	Bandwidth (MHz)	Remark
Hopping	2441	70.85	Normal Voltage

TEST PLOTS

Hopping



Report No.: TMWK2205002083KR

Ref. No.: T180627D12-RJ2

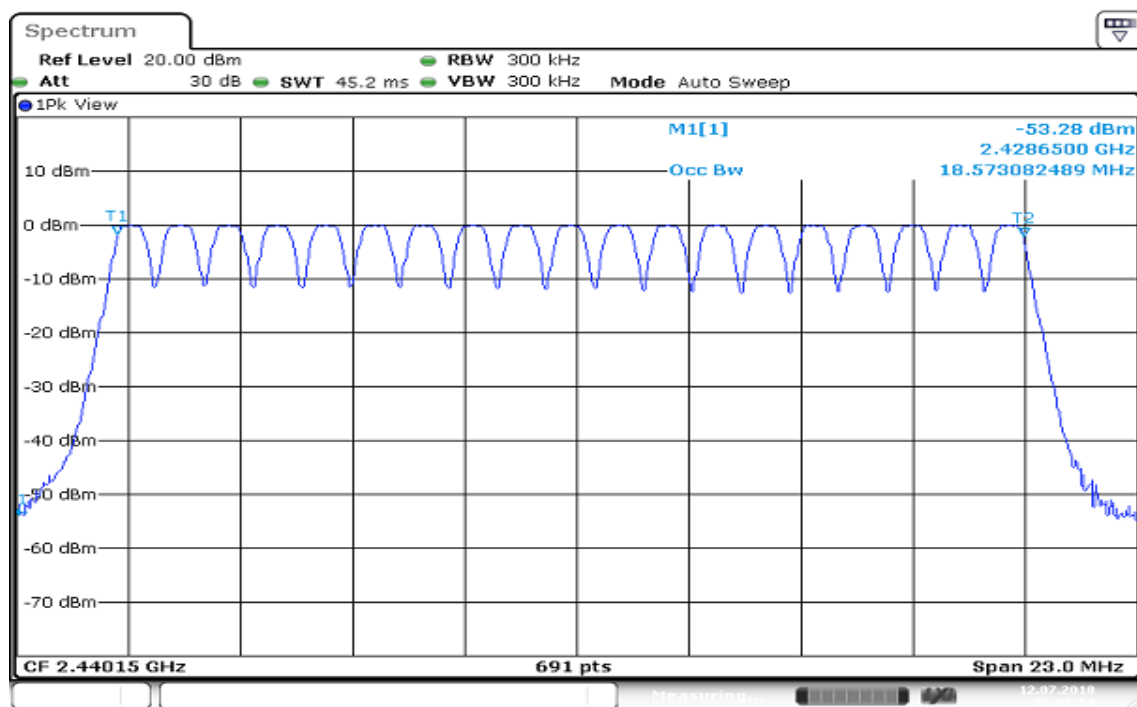
Rev.: 02

## 6.6 OCCUPIED BANDWIDTH –AFH-(99%)

### TEST RESULT

Frequency (MHz)	Center Frequency (MHz)	Bandwidth (MHz)	Remark
Hopping	2441	18.57	Normal Voltage

### TEST PLOTS



Date: 12 JUL 2018 15:41:55

Ref. No.: T180627D12-RJ2

## TEST RESULT

Frequency (MHz)	Center Frequency (MHz)	Bandwidth (MHz)	Remark
			Normal Voltage
Hopping	2441	17.37	

**Spectrum**

Ref Level 20.00 dBm RBW 300 kHz  
 Att 30 dB SWT 45.2 ms VBW 300 kHz Mode Auto Sweep

1Pk View

M1[1] -53.28 dBm  
 2.4286500 GHz  
 17.374819103 MHz

Occ Bw

T1 T2

CF 2.44015 GHz 691 pts Span 23.0 MHz

Date: 12 JUL 2018 15:42:54



## 6.8 LIMITATION OF COLLATERAL EMISSIONS OF RECEIVER

### TEST RESULT

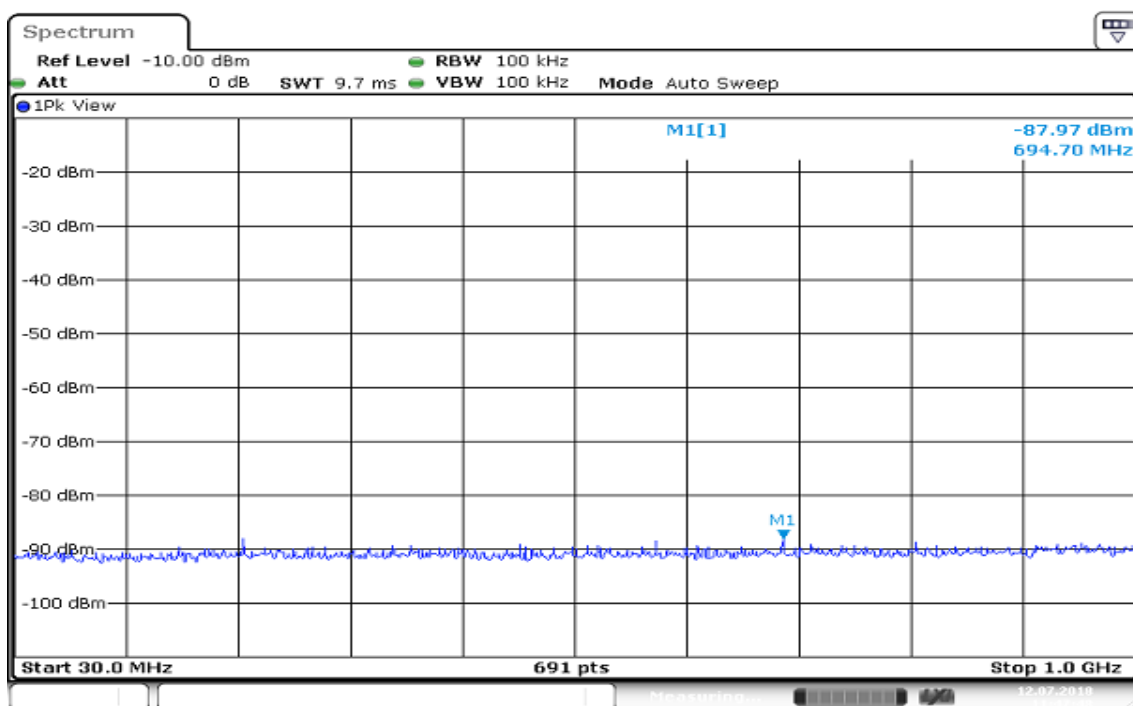
#### 30MHz~1GHz

Freq: 30MHz~1GHz

	Frequency (MHz)	Reading (dBm)	Cable Factor (dB)	Result (nW/MHz)	Remark
30MHz~1GHz	694.7000	-87.97	10.61	0.0184	Normal Voltage

### TEST PLOTS

#### CH Mid



Date: 12 JUL 2018 11:47:48





Report No.: TMWK2205002083KR

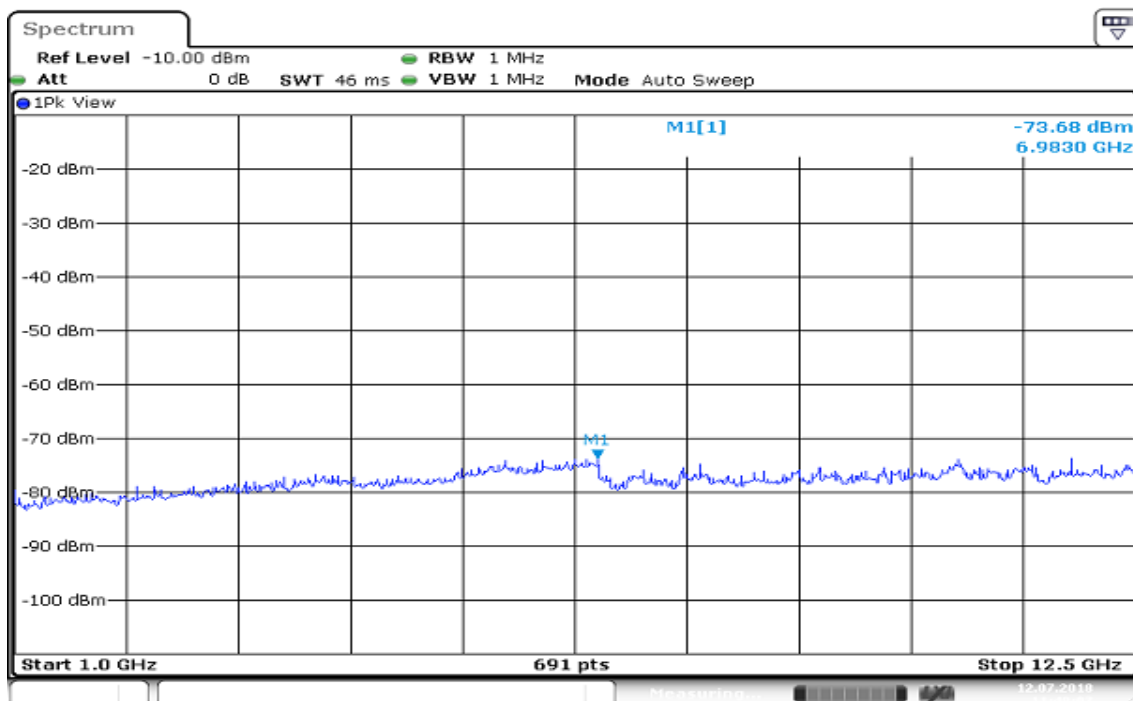
Ref. No.: T180627D12-RJ2

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**1GHz~12.5GHz**

Freq: 1GHz~12.5GHz

	Frequency (MHz)	Reading (dBm)	Cable Factor (dB)	Result (nW/MHz)	Remark
1GHz~12.5GHz	6983.0000	-73.68	10.97	0.5358	Normal Voltage

**TEST PLOTS****CH Mid**

Date: 12 JUL 2018 11:48:08

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## 6.9 DWELL TIME

Time per one hopping (ON time)	hopping numbers	Dwell Time(ms)
3.76811594	102.00	384.3478259



## 7 TEST RESULT FOR BLUETOOTH (CH0~CH78) (FOR 8DPSK)

### 7.1 FREQUENCY ERROR

#### TEST RESULT

Frequency (MHz)	Reading (MHz)	Deviation (Hz)	Tolerance (ppm)	Remark
2402.0000	2402.007960	7960	3.3139	Normal Voltage
2441.0000	2441.007240	7240	2.9660	
2480.0000	2480.007240	7240	2.9194	

### 7.2 ANTENNA POWER

#### NORMAL

Frequency (MHz)	Spectrum Analyser (dBm/MHz)	Cable Factor (mW)	Output Power (mW/MHz)	EIRP Power (dBm/MHz)	Remark
Hopping	-9.50	10.61	0.05467	-8.62242	Normal Voltage

#### AFH

Frequency (MHz)	Spectrum Analyser (dBm/MHz)	Cable Factor (dB)	Output Power (mW/MHz)	EIRP Power (dBm/MHz)	Remark
Hopping	-9.50	10.61	0.21277	-2.72093	Normal Voltage

Report No.: TMWK2205002083KR

Ref. No.: T180627D12-RJ2

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## 7.3 SPURIOUS EMISSIONS INTENSITY

### TEST RESULT

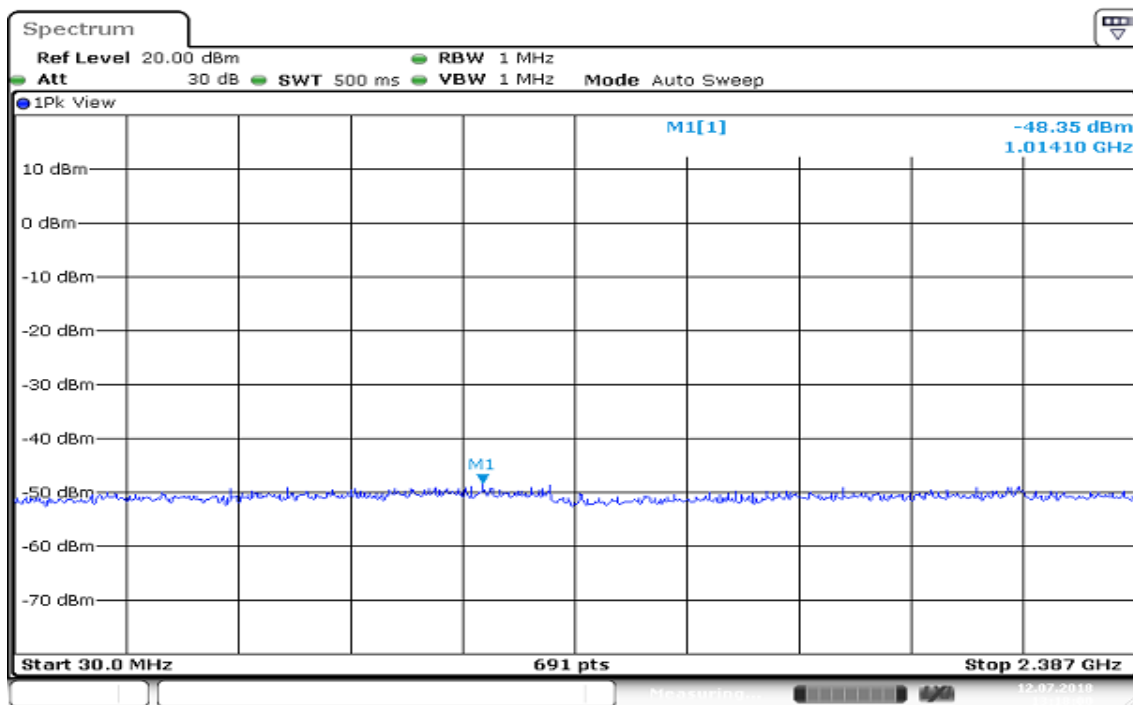
30MHz ~ 2387MHz

(1) Spurious Emission Intensity : 30MHz~less than 2,387MHz

Frequency (MHz)	Reading (MHz)	Reading (dBm)	Cable Factor (dB)	Result (μW/MHz)	Remark
2402.0000	1014.1000	-48.35	10.37	0.15922	Normal Voltage
2441.0000	2375.1000	-48.61	10.37	0.14997	
2480.0000	901.5000	-48.60	10.37	0.15031	

### TEST PLOTS

#### CH Low



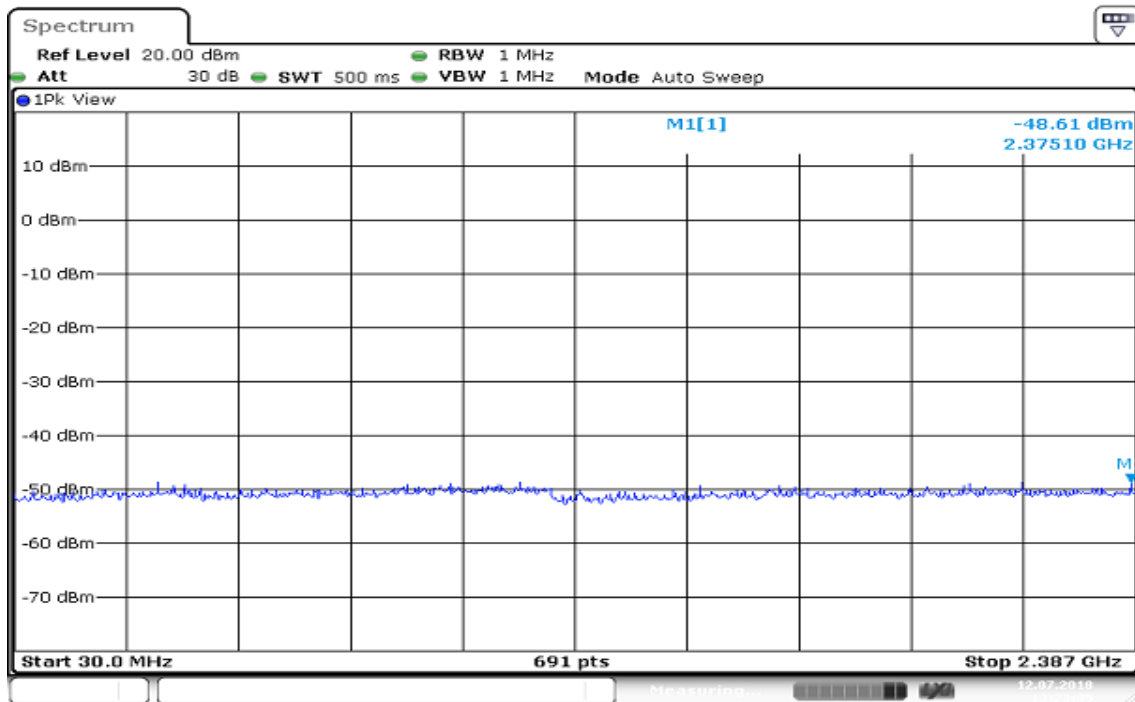
Date: 12 JUL 2018 13:18:00



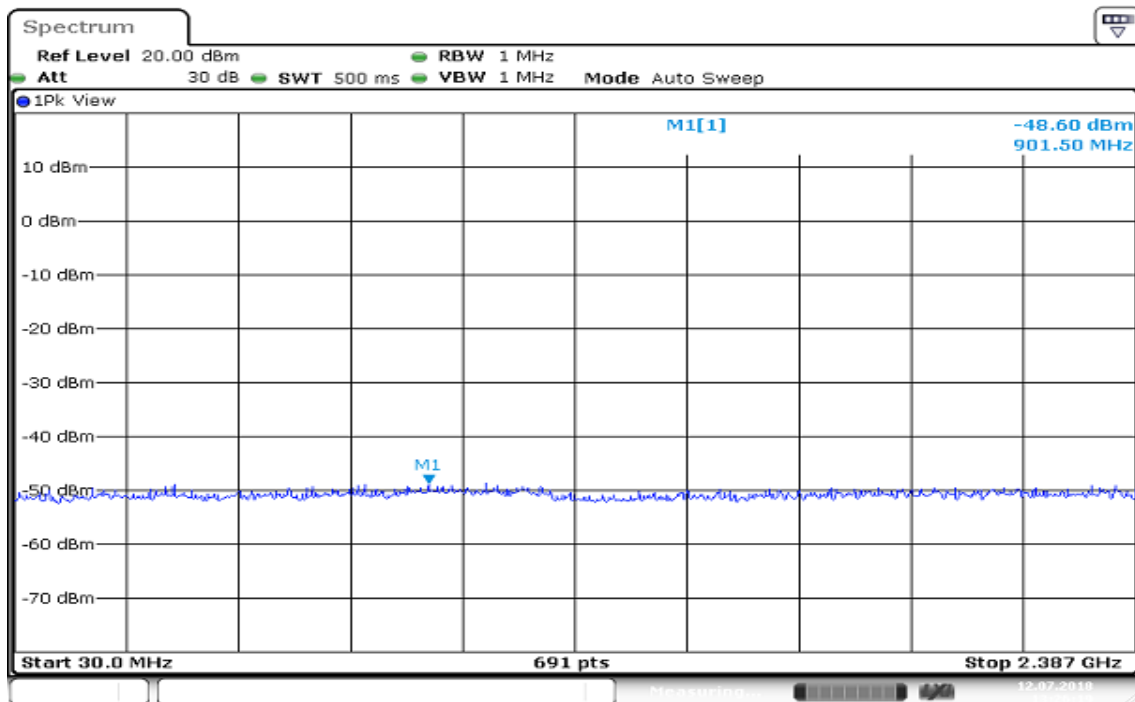
Report No.: TMWK2205002083KR

Ref. No.: T180627D12-RJ2

Rev.: 02

**CH Mid**

Date: 12 JUL 2018 13:23:45

**CH High**

Date: 12 JUL 2018 13:26:19

TEST RESULT

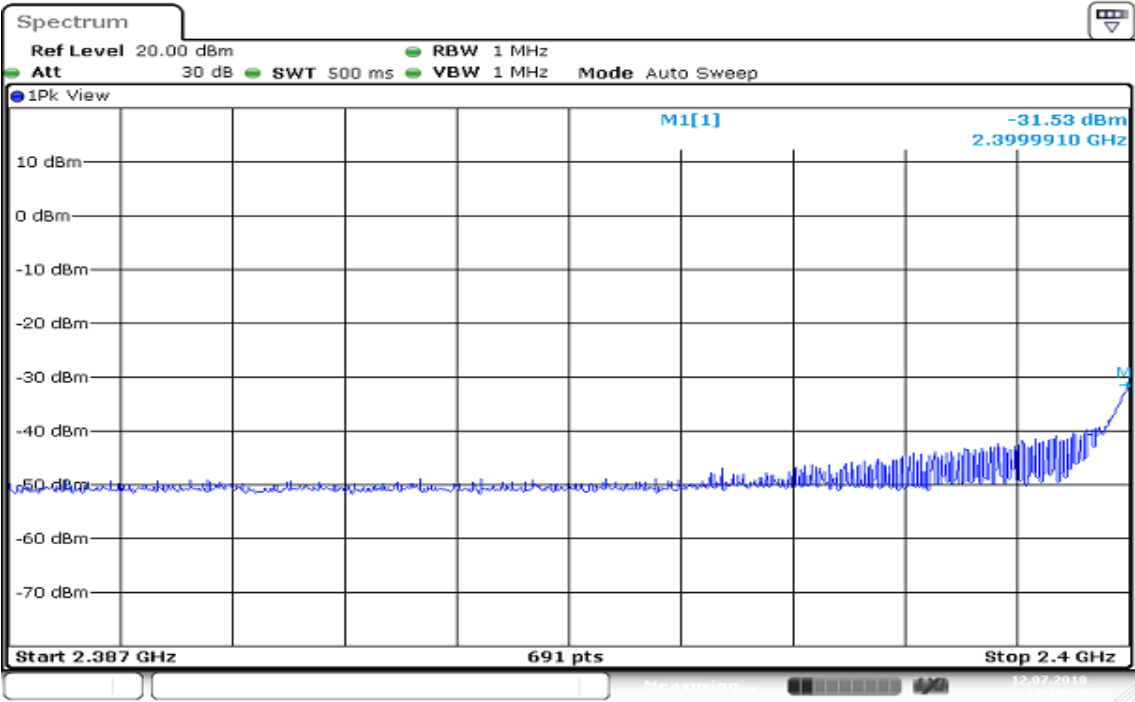
2387MHZ ~ 2400MHZ

(2) Spurious Emission Intensity : 2,387MHz~less than 2,400MHz

Frequency (MHz)	Reading (MHz)	Reading (dBm)	Cable Factor (dB)	Result (μW/MHz)	Remark
2402.0000	2399.9910	-31.53	10.61	8.09096	Normal Voltage
2441.0000	2393.3680	-48.76	10.61	0.15311	
2480.0000	2390.4330	-49.17	10.61	0.13932	

TEST PLOTS

CH Low



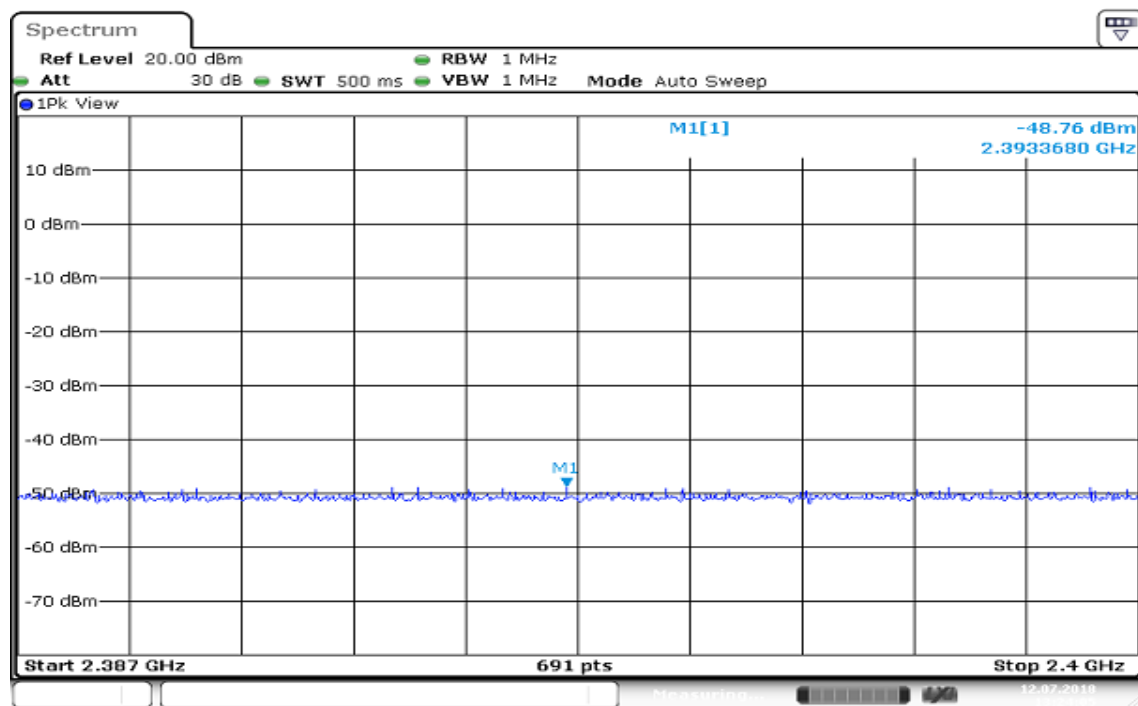
Date: 12 JUL 2018 13:18:21

Report No.: TMWK2205002083KR

Ref. No.: T180627D12-RJ2

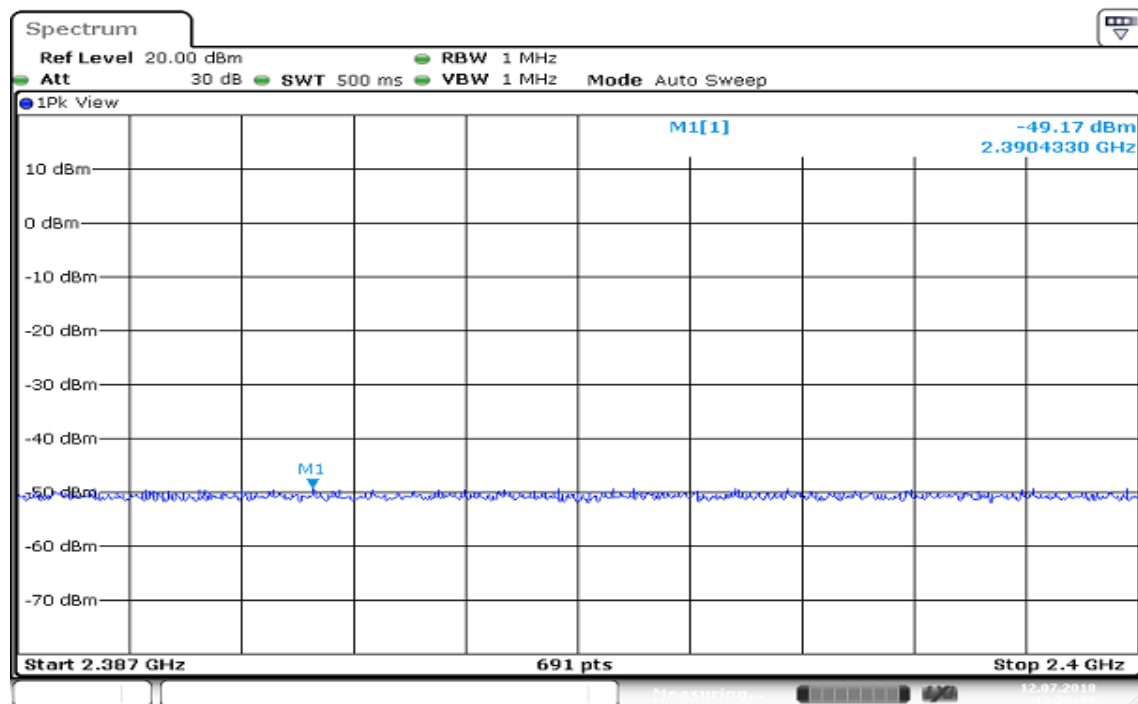
Rev.: 02

## CH Mid



Date: 12 JUL 2018 13:24:06

## CH High



Date: 12 JUL 2018 13:26:39



Report No.: TMWK2205002083KR

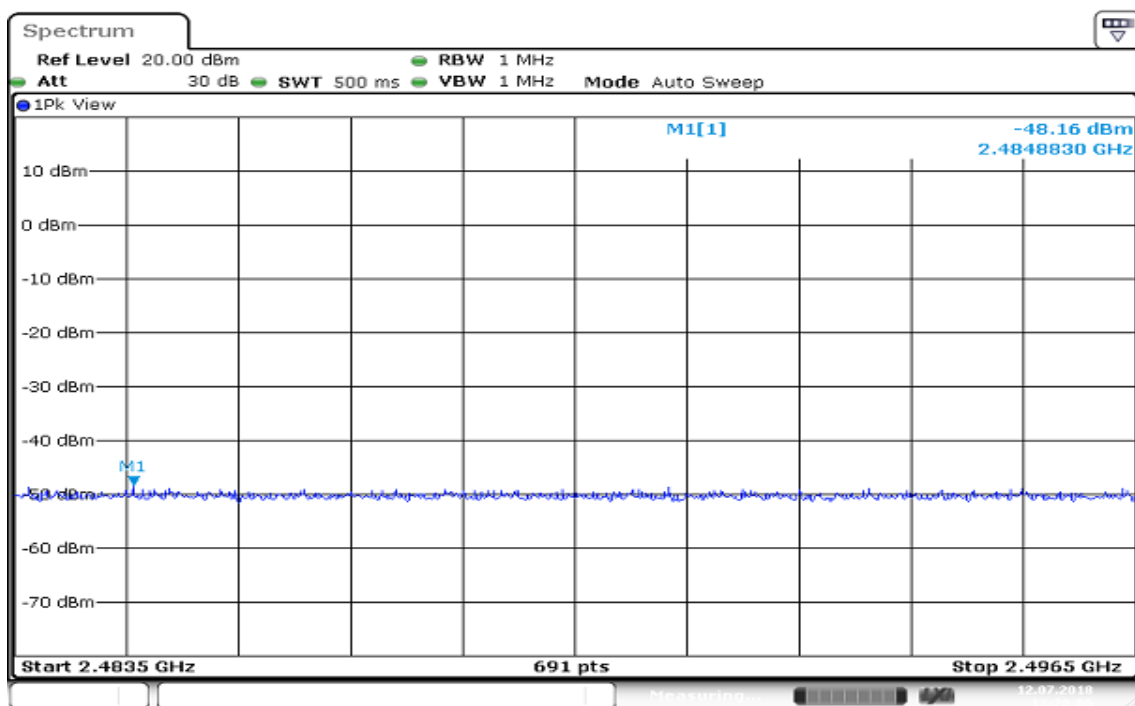
Ref. No.: T180627D12-RJ2

Rev.: 02

**TEST RESULT****2483.5MHz ~ 2496.5MHz**

(3) Spurious Emission Intensity : 2,483.5MHz~2,496.5MHz

Frequency (MHz)	Reading (M H z )	Reading ( d Bm )	Cable Factor ( dB )	Result ( μW/MHz )	Remark
2402.0000	2484.8830	-48.16	10.61	0.17579	Normal Voltage
2441.0000	2496.3210	-47.95	10.61	0.18450	
2480.0000	2483.6030	-44.72	10.61	0.38815	

**TEST PLOTS****CH Low**

Date: 12 JUL 2018 13:20:06

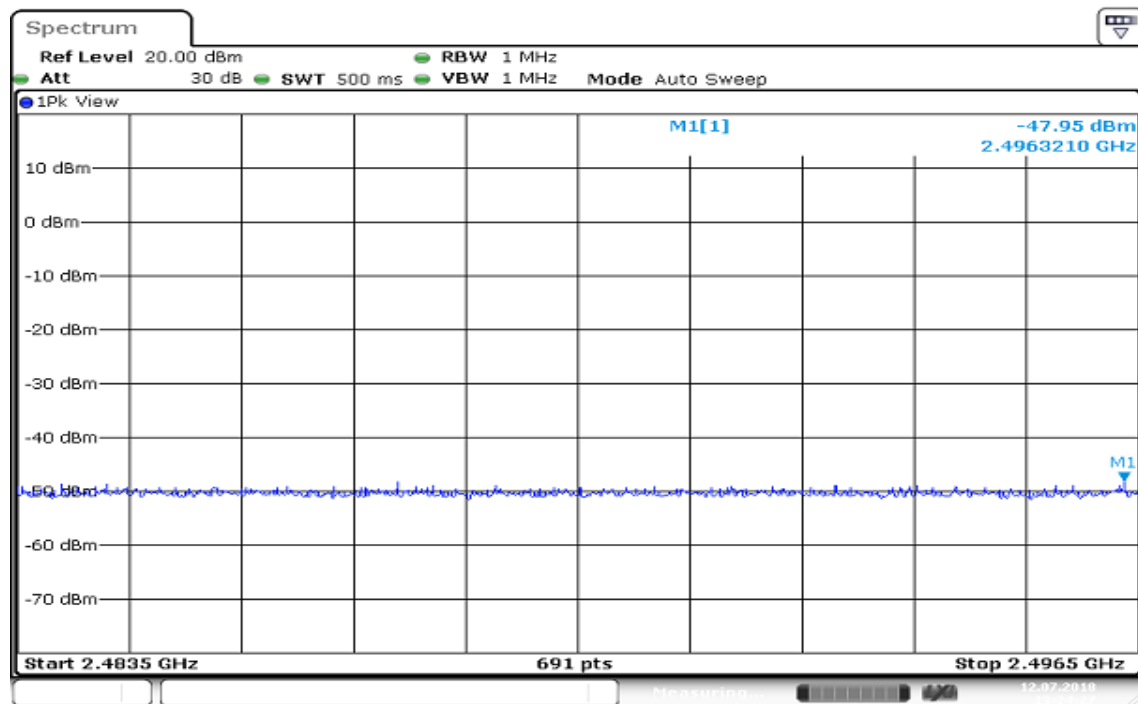


Report No.: TMWK2205002083KR

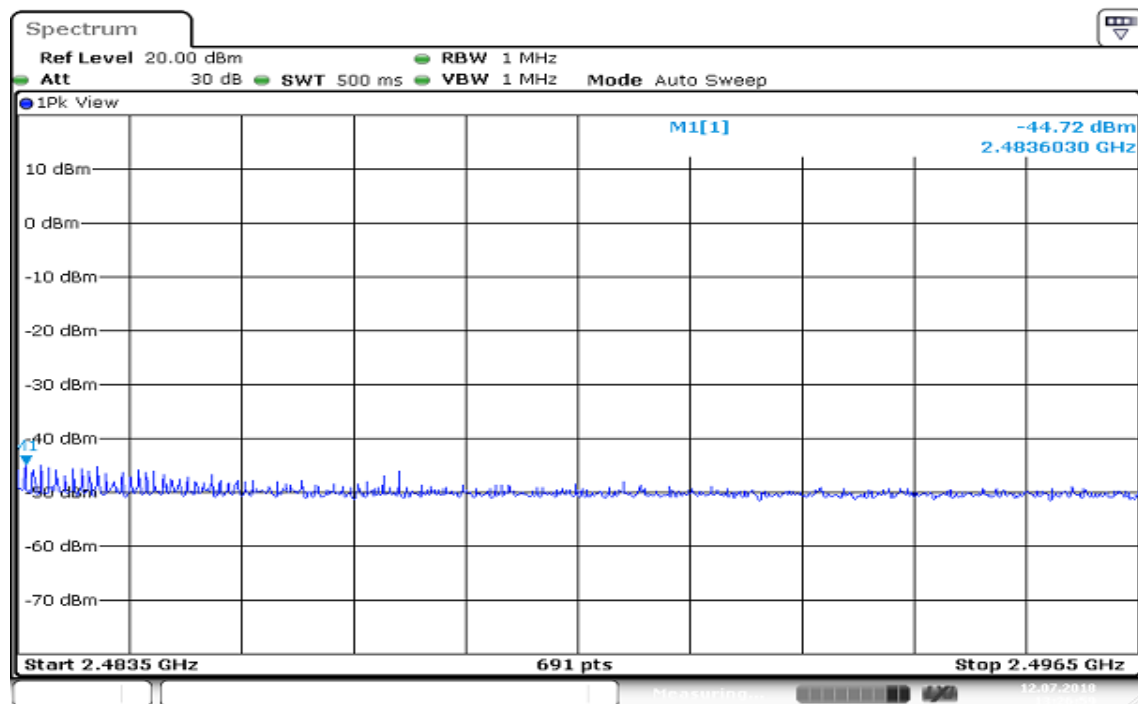
Ref. No.: T180627D12-RJ2

Rev.: 02

## CH Mid



## CH High





Report No.: TMWK2205002083KR

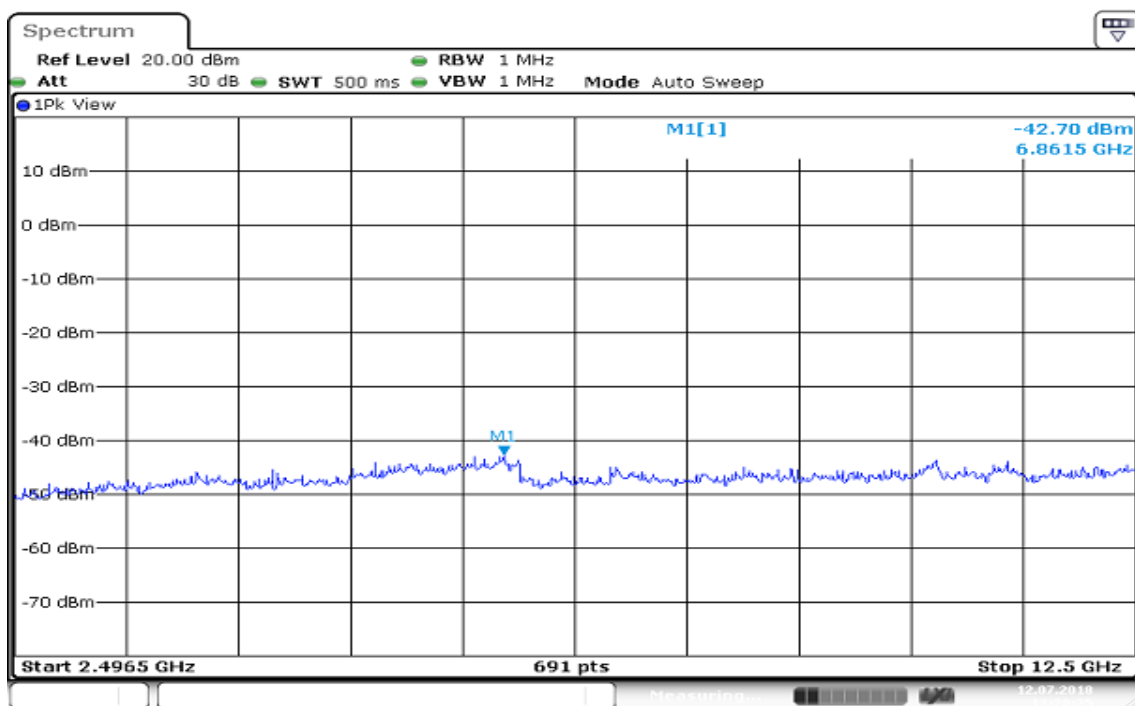
Ref. No.: T180627D12-RJ2

Rev.: 02

**TEST RESULT****2496.5MHz~12.5GHz**

(4) Spurious Emission Intensity : more than 2,496.5MHz~12.5GHz

Frequency (MHz)	Reading (MHz)	Reading (dBm)	Cable Factor (dB)	Result (μW/MHz)	Remark
2402.0000	6861.5000	-42.70	10.61	0.61802	Normal Voltage
2441.0000	6875.5000	-43.04	10.61	0.57148	
2480.0000	7006.5000	-43.04	10.61	0.57148	

**TEST PLOTS****CH Low**

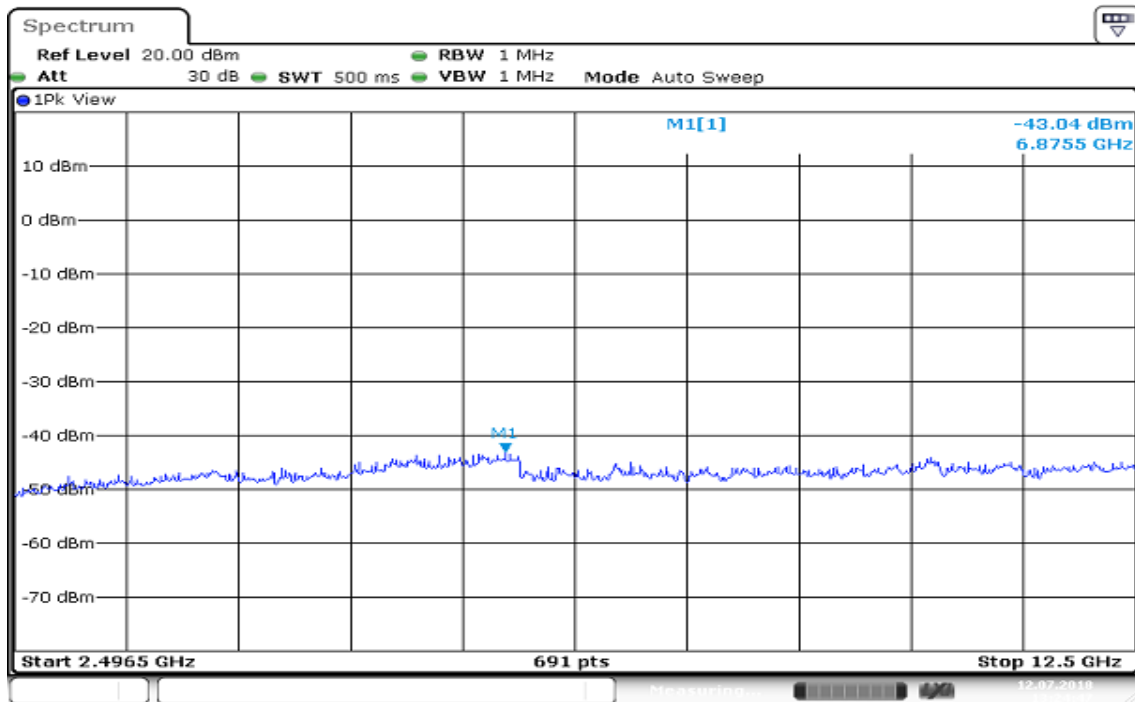
Date: 12 JUL 2018 13:20:26

Report No.: TMWK2205002083KR

Ref. No.: T180627D12-RJ2

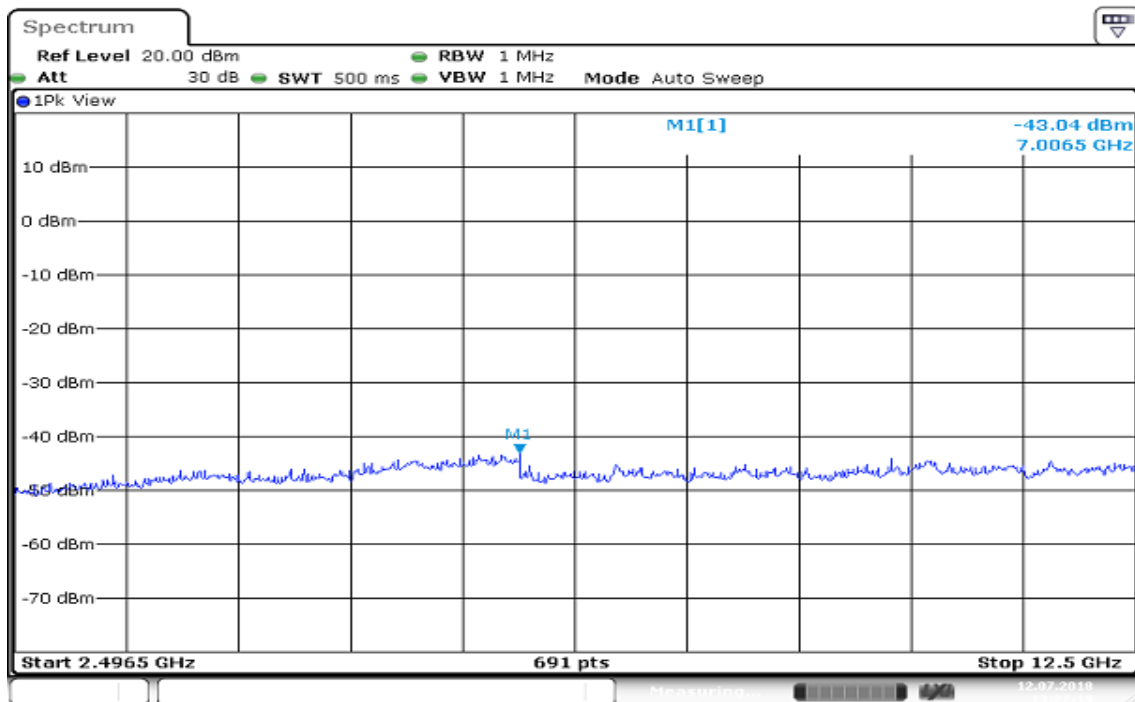
Rev.: 02

## CH Mid



Date: 12 JUL 2018 13:24:47

## CH High



Date: 12 JUL 2018 13:27:19

Report No.: TMWK2205002083KR

Ref. No.: T180627D12-RJ2

Rev.: 02

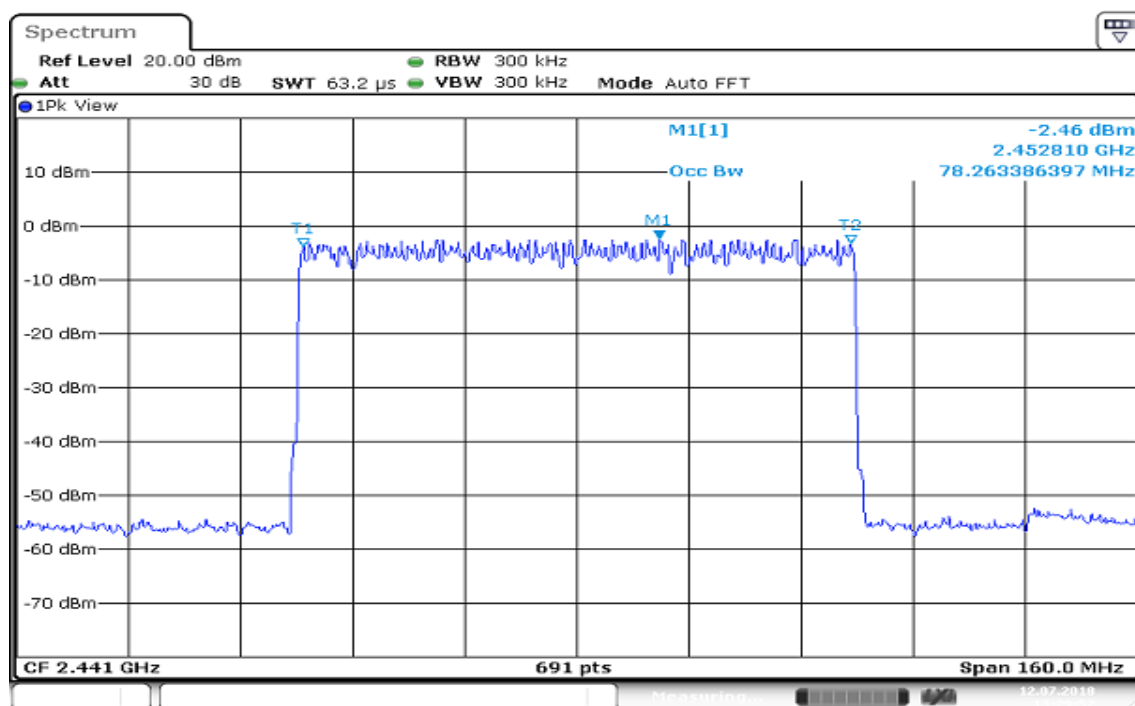
## 7.4 OCCUPIED BANDWIDTH-NORMAL (99%)

### TEST RESULT

Frequency (MHz)	Center Frequency (MHz)	Bandwidth (MHz)	Remark
Hopping	2441	78.26	Normal Voltage

### TEST PLOTS

#### CH Mid



Date: 12 JUL 2018 13:29:52

Report No.: TMWK2205002083KR

Ref. No.: T180627D12-RJ2

Rev.: 02

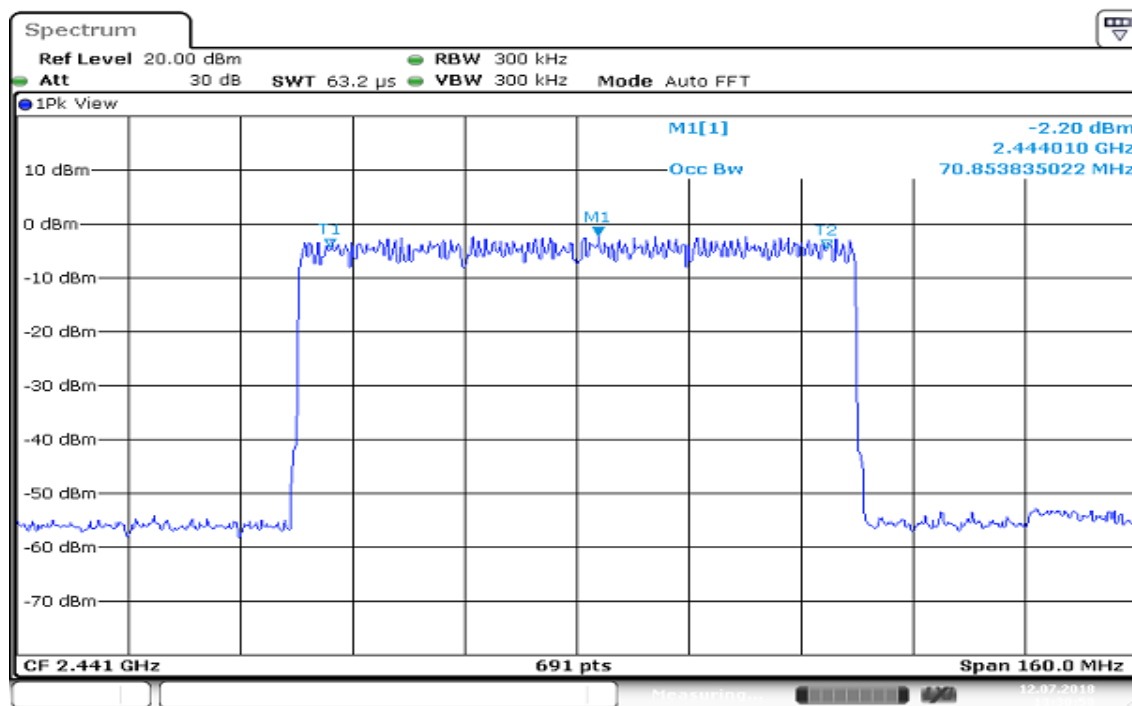
## 7.5 SPREAD-SPECTRUM BANDWIDTH -NORMAL(90%)

### TEST RESULT

Frequency (MHz)	Center Frequency (MHz)	Bandwidth (MHz)	Remark
Hopping	2441	70.85	Normal Voltage

### TEST PLOTS

#### CH Min



Date: 12 JUL 2018 13:30:58

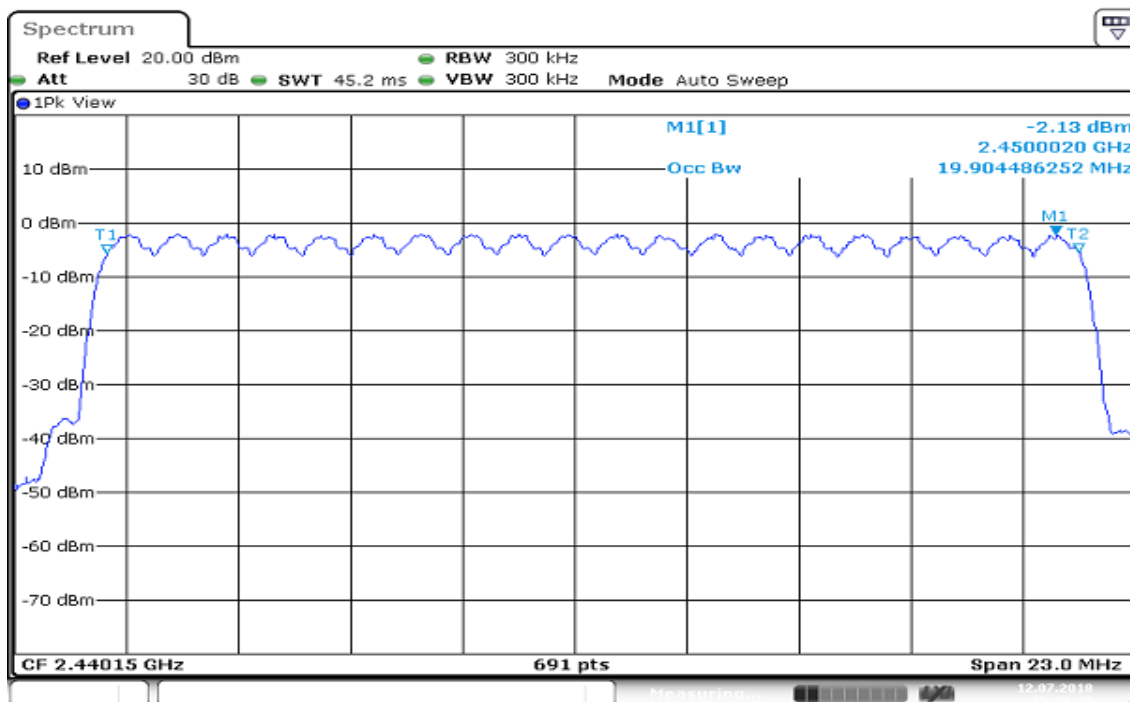
## 7.6 OCCUPIED BANDWIDTH-AFH (99%)

### TEST RESULT

Frequency (MHz)	Center Frequency (MHz)	Bandwidth (MHz)	Remark
Hopping	2441	19.90	Normal Voltage

### TEST PLOTS

#### CH Mid



Date: 12 JUL 2018 15:29:46

Report No.: TMWK2205002083KR

Ref. No.: T180627D12-RJ2

Rev.: 02

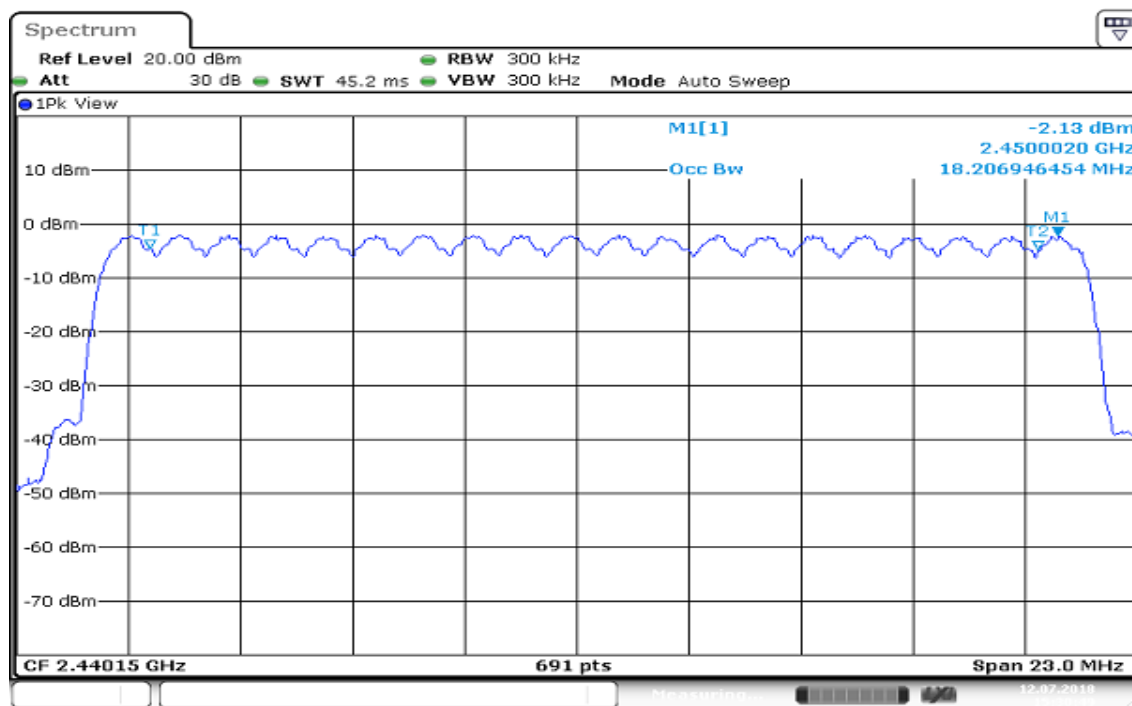
## 7.7 SPREAD-SPECTRUM BANDWIDTH -AFH(90%)

### TEST RESULT

Frequency (MHz)	Center Frequency (MHz)	Bandwidth (MHz)	Remark
Hopping	2441	18.21	Normal Voltage

### TEST PLOTS

#### CH Mid



Date: 12 JUL 2018 15:30:49

Report No.: TMWK2205002083KR

Ref. No.: T180627D12-RJ2

Rev.: 02

## 7.8 LIMITATION OF COLLATERAL EMISSIONS OF RECEIVER

### TEST RESULT

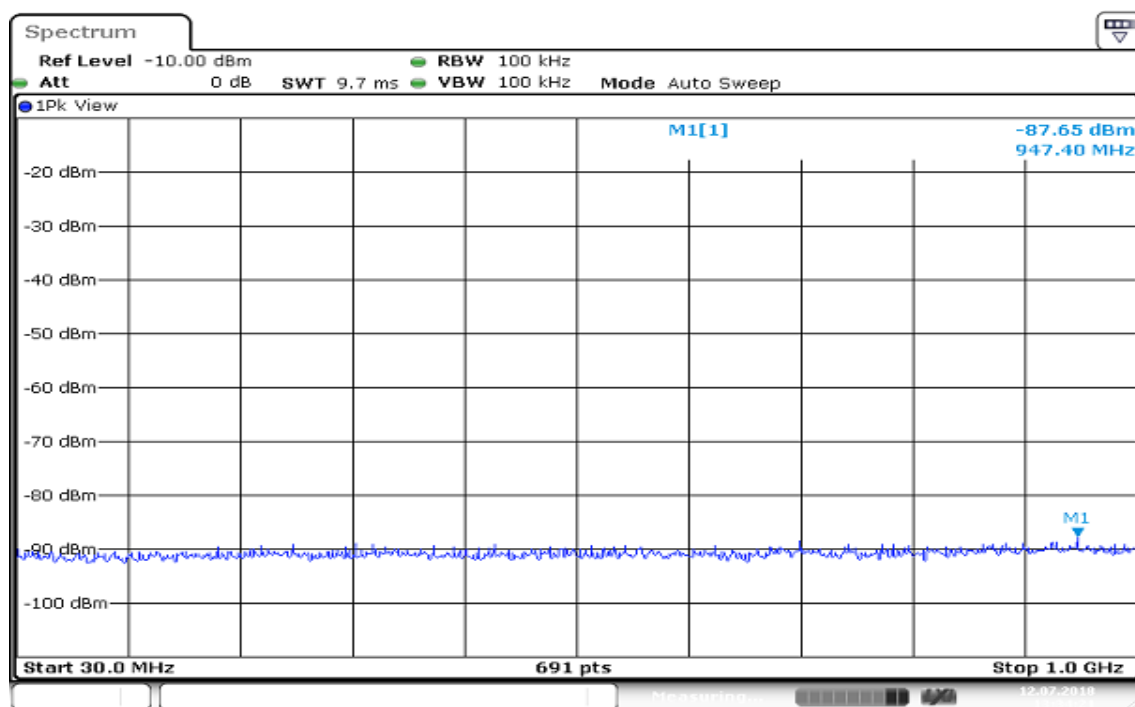
30MHz~1000MHz

Freq: 30MHz~1GHz

	Frequency (MHz)	Reading (dBm)	Cable Factor (dB)	Result (nW/MHz)	Remark
30MHz~less than 1GHz	947.4000	-87.65	10.61	0.0198	Normal Voltage

### TEST PLOTS

#### CH Mid



Date: 12 JUL 2018 13:24:22



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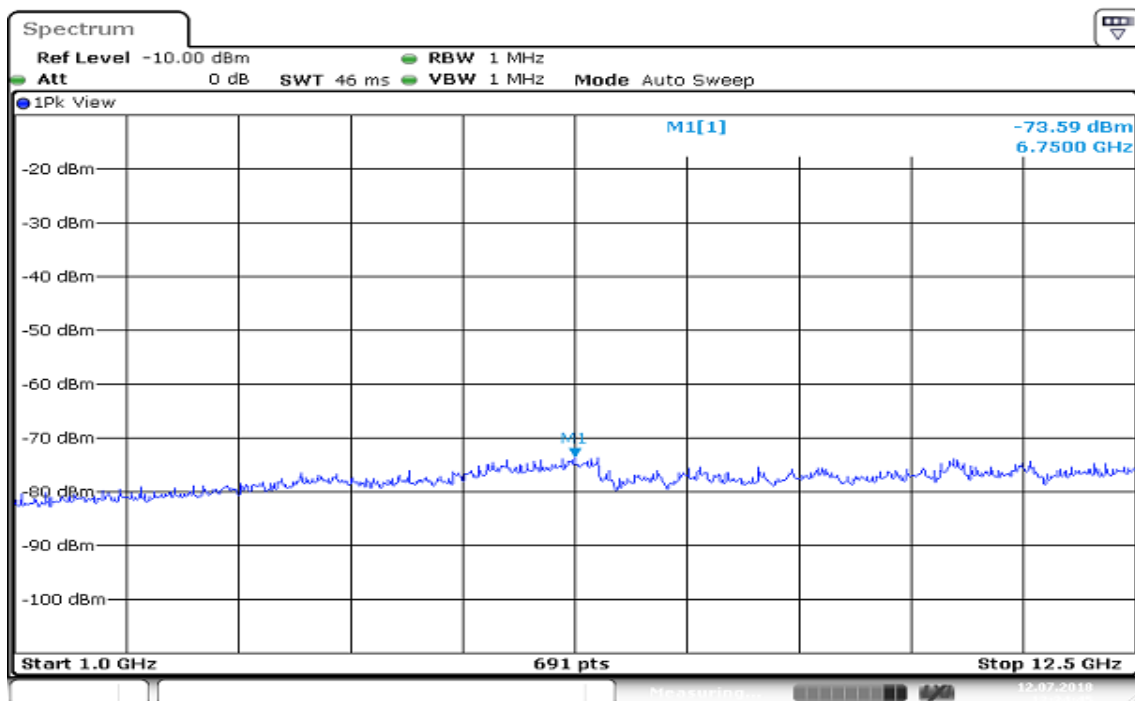
## 1GHz~12.5GHz

Freq: 1GHz~12.5GHz

	Frequency (MHz)	Reading (dBm)	Cable Factor (dB)	Result (nW/MHz)	Remark
1GHz~12.5GHz	6750.0000	-73.59	10.97	0.5470	Normal Voltage

## TEST PLOTS

### CH Mid



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## 7.9 DWELL TIME

Time per one hopping (ON time)	hopping numbers	Dwell Time(ms)
3.76811595	39.000	0.146956522

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## 8 TEST RESULT FOR BLUETOOTH5.0(CH0~CH39)(FOR GFSK)

### 8.1 FREQUENCY ERROR

#### TEST RESULT

Frequency (MHz)	Reading (MHz)	Deviation (Hz)	Tolerance (ppm)	Remark
2402	2402.007960	7960	3.3139	Normal Voltage
2440	2440.007960	7960	3.2623	
2480	2480.007960	7960	3.2097	

### 8.2 ANTENNA POWER

#### TEST RESULT

Antenna 1 4 dBi

Frequency (MHz)	Spectrum Analyser	Cable Factor	Output Power		EIRP Power		Remark
	(dBm)	(d B)	(d Bm)	(mW)	(d Bm)	(mW)	
2402	-7.89	10.61	2.72	1.87068	6.72000	4.69894	Normal Voltage
2440	-7.34	10.61	3.27	2.12324	7.27000	5.33335	
2480	-6.92	10.61	3.69	2.33884	7.69000	5.87489	

### 8.3 SPURIOUS EMISSIONS INTENSITY

#### TEST RESULT

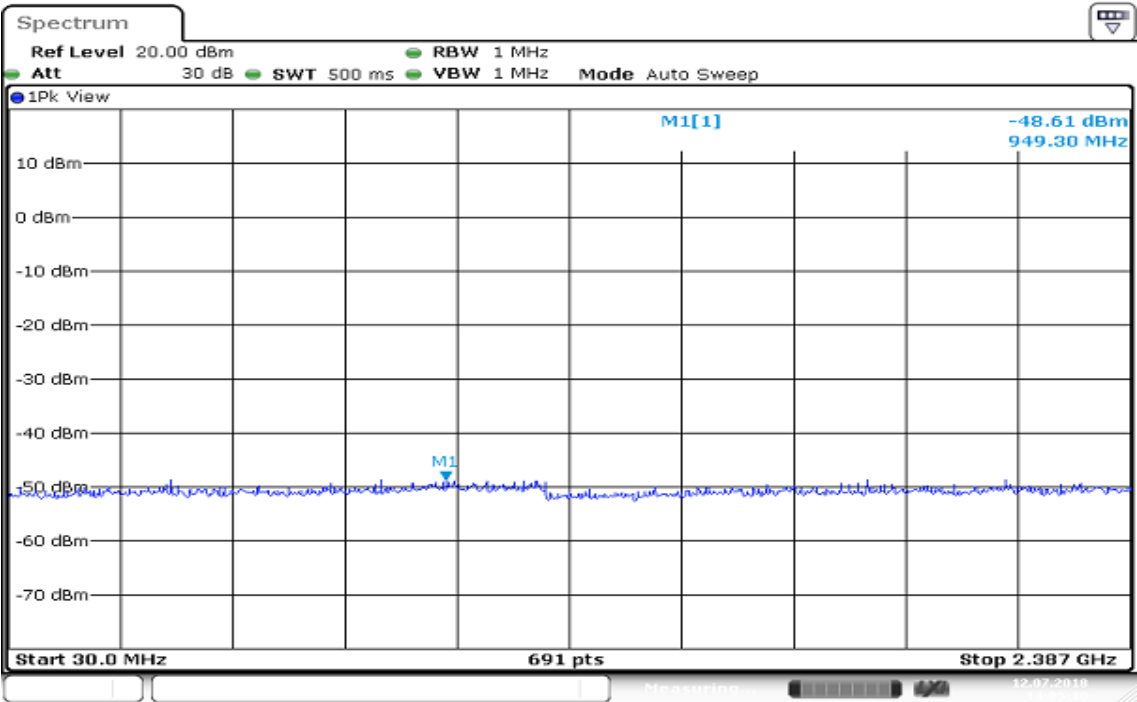
##### 30MHz ~ 2387MHz

(1) Spurious Emission Intensity : 30MHz~less than 2,387MHz

Frequency (MHz)	Reading (MHz)	Reading (dBm)	Cable Factor (dB)	Result ( μW/MHz )	Remark
2402.0000	949.3000	-48.61	10.61	0.15849	Normal Voltage
2440.0000	1665.6000	-48.22	10.61	0.17338	
2480.0000	1109.6000	-48.19	10.61	0.17458	

#### TEST PLOTS

##### CH Low



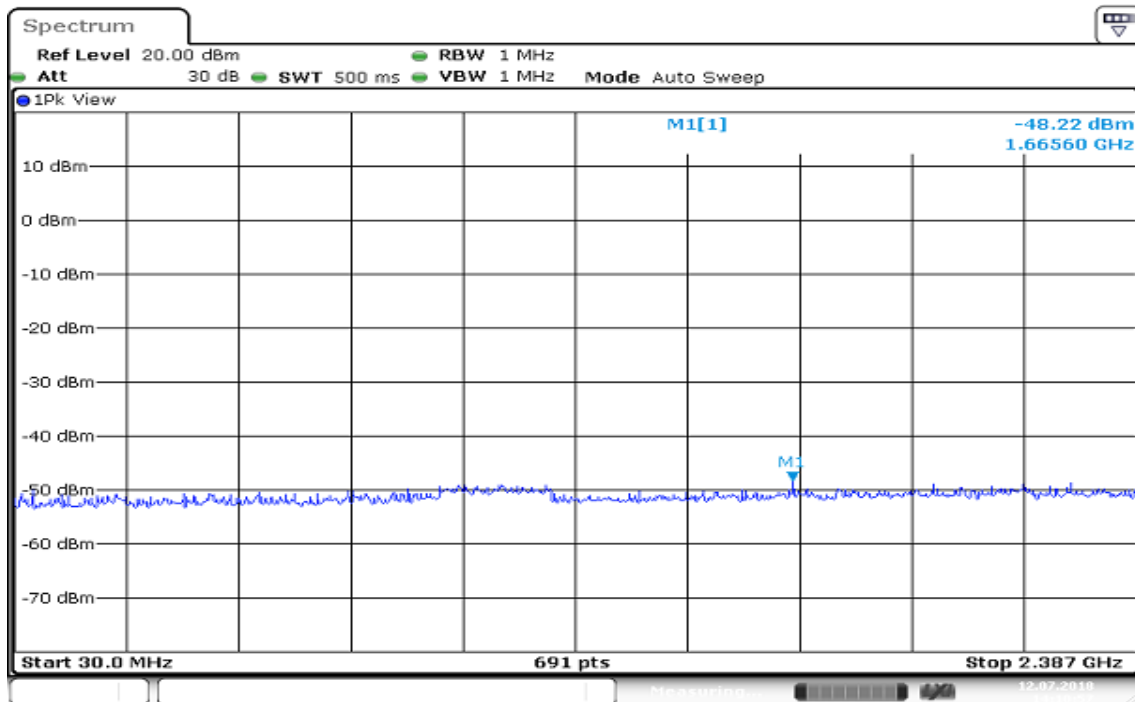
Date: 12 JUL 2018 14:05:11



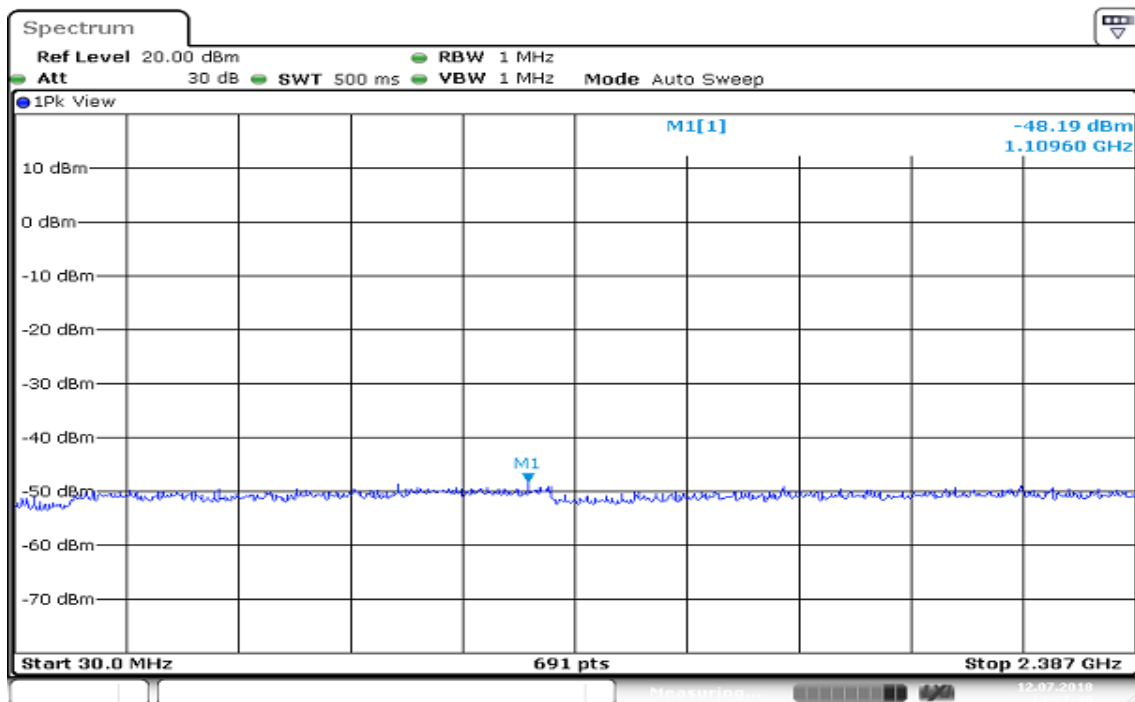
Report No.: TMWK2205002083KR

Ref. No.: T180627D12-RJ2

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**CH Mid**

Date: 12 JUL 2018 14:10:57

**CH High**

Date: 12 JUL 2018 14:27:40

Report No.: TMWK2205002083KR

Ref. No.: T180627D12-RJ2

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## TEST RESULT

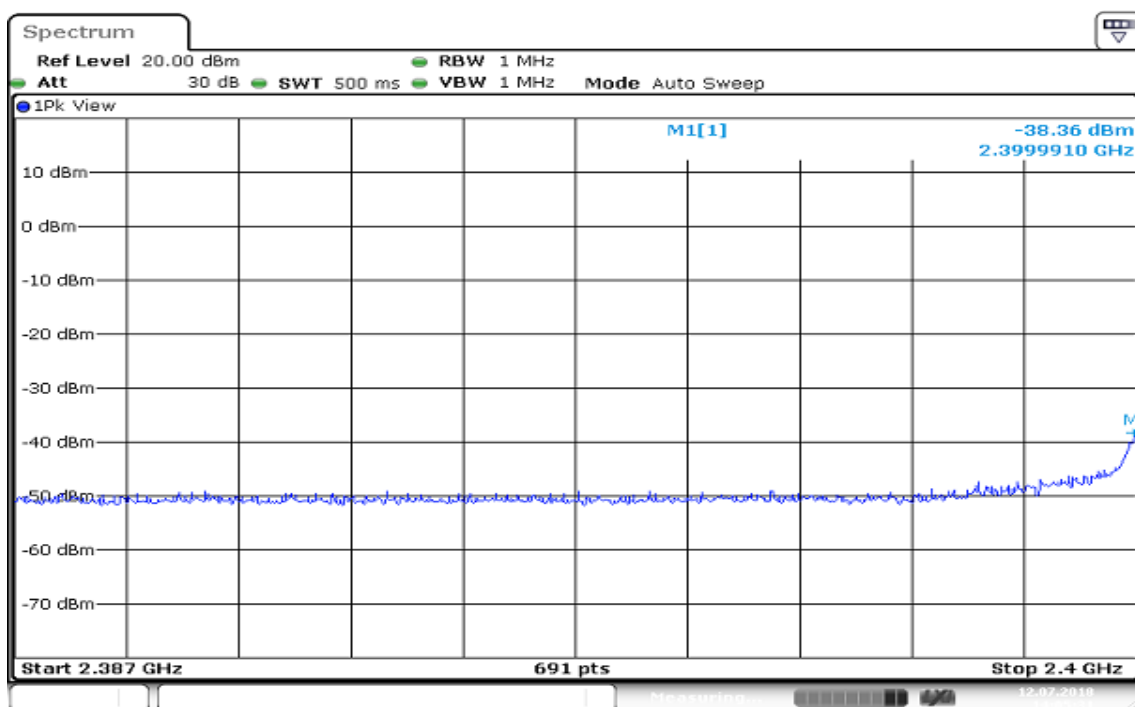
### 2387MHZ ~ 2400MHZ

(2) Spurious Emission Intensity : 2,387MHz~less than 2,400MHz

Frequency (MHz)	Reading (MHz)	Reading (dBm)	Cable Factor (dB)	Result (μW/MHz)	Remark
2402.0000	2399.9910	-38.36	10.61	1.67880	Normal Voltage
2440.0000	2398.3540	-48.50	10.61	0.16255	
2480.0000	2392.7470	-48.50	10.61	0.16255	

## TEST PLOTS

### CH Low



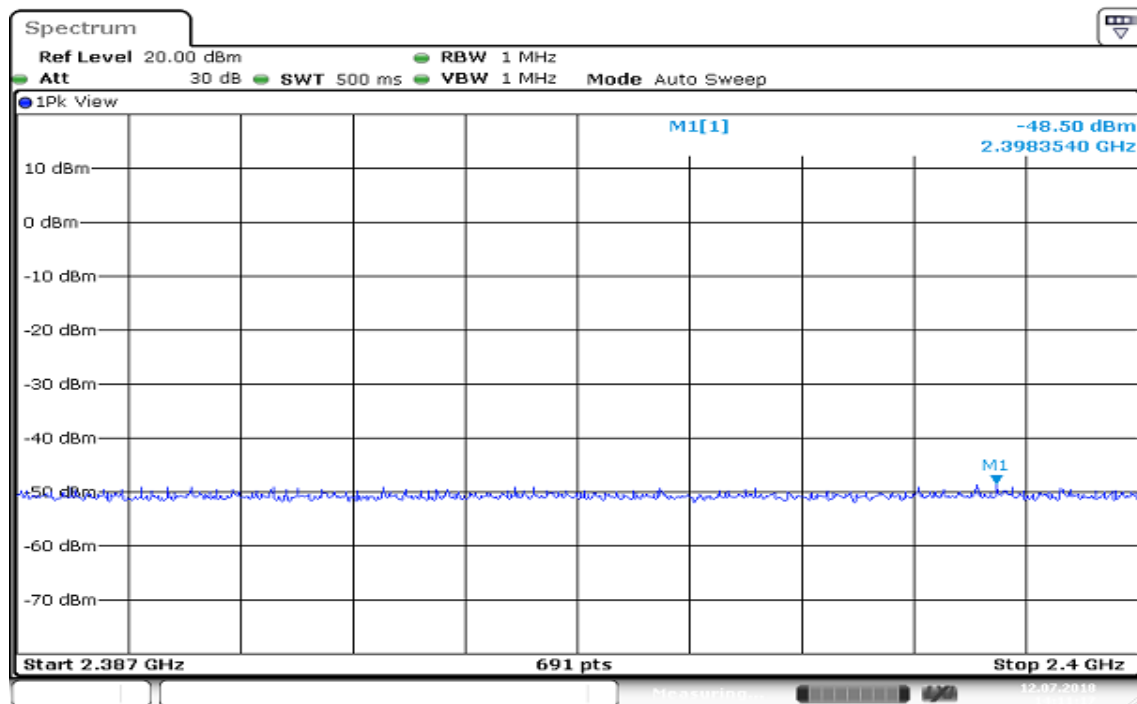
Date: 12 JUL 2018 14:05:32

Report No.: TMWK2205002083KR

Ref. No.: T180627D12-RJ2

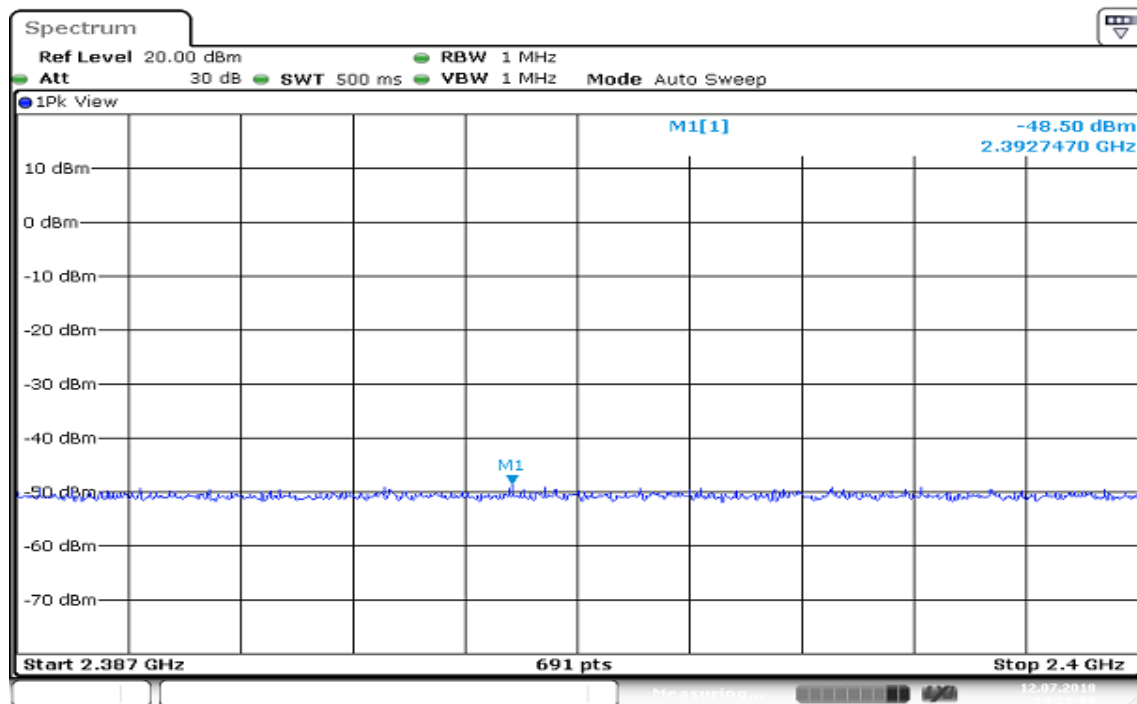
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## CH Mid



Date: 12 JUL 2018 14:11:18

## CH High



Date: 12 JUL 2018 14:28:10

TEST RESULT

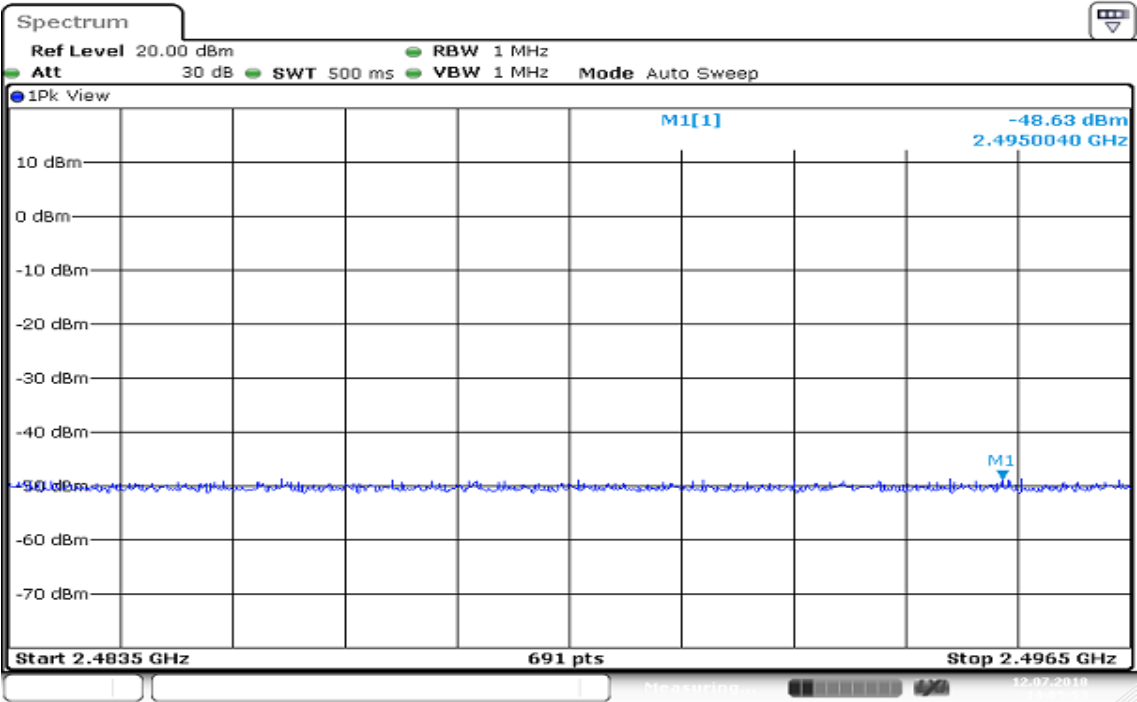
2483.5MHz ~ 2496.5MHz

(3) Spurious Emission Intensity : 2,483.5MHz~2,496.5MHz

Frequency (MHz)	Reading (MHz)	Reading (dBm)	Cable Factor (dB)	Result (μW/MHz)	Remark
2402.0000	2495.0040	-48.63	10.61	0.15776	Normal Voltage
2440.0000	2487.6860	-48.08	10.61	0.17906	
2480.0000	2483.5470	-45.86	10.61	0.29854	

TEST PLOTS

CH Low



Date: 12 JUL 2018 14:05:53

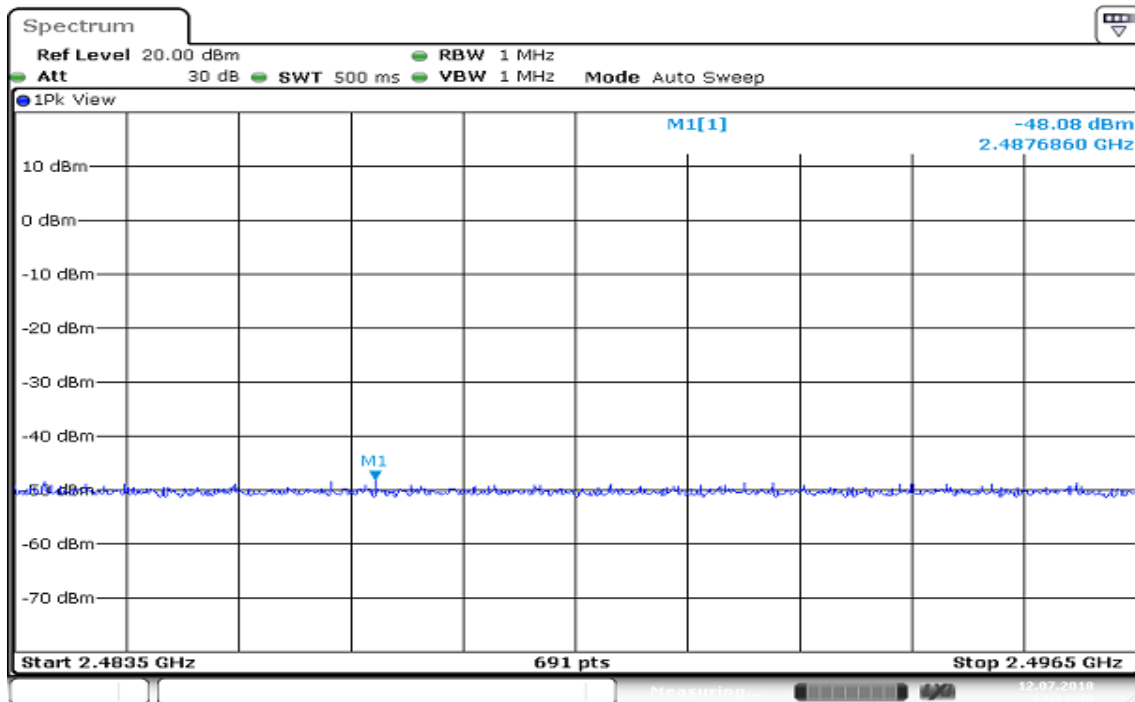


Report No.: TMWK2205002083KR

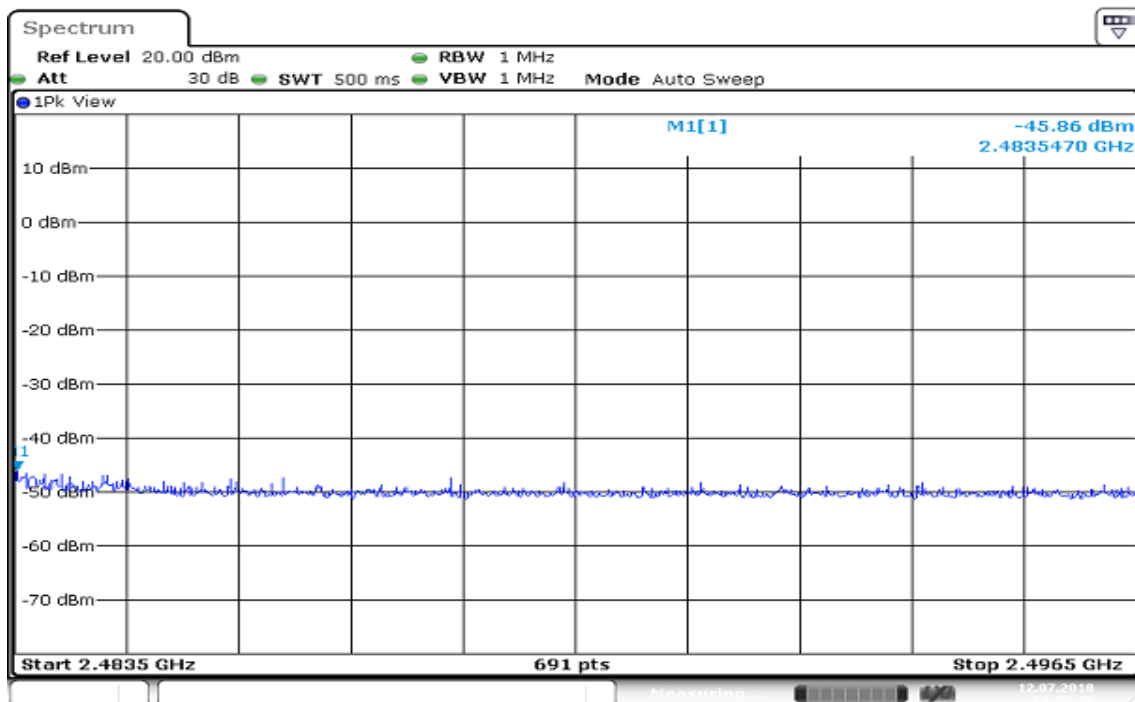
Ref. No.: T180627D12-RJ2

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## CH Mid



## CH High



TEST RESULT

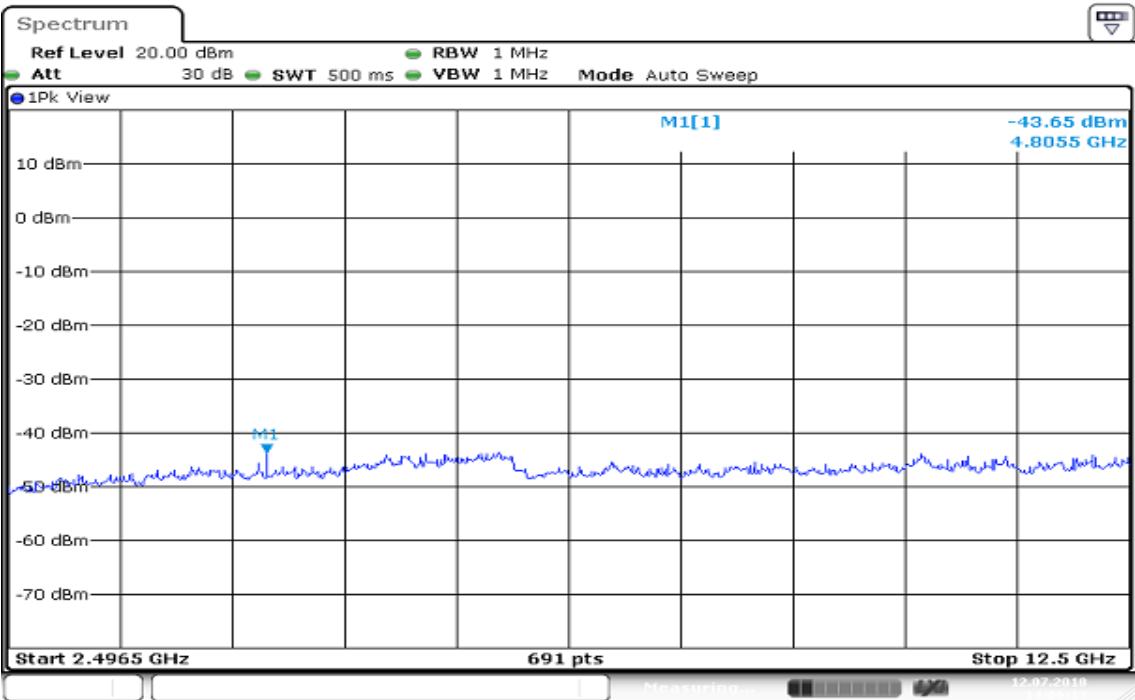
2496.5MHz~12.5GHz

(4) Spurious Emission Intensity : more than 2,496.5MHz~12.5GHz

Frequency (MHz)	Reading (MHz)	Reading (dBm)	Cable Factor (dB)	Result (μW/MHz)	Remark
2402.0000	4805.5000	-43.65	10.61	0.49659	Normal Voltage
2440.0000	6687.5000	-43.42	10.61	0.52360	
2480.0000	6861.5000	-42.91	10.61	0.58884	

TEST PLOTS

CH Low



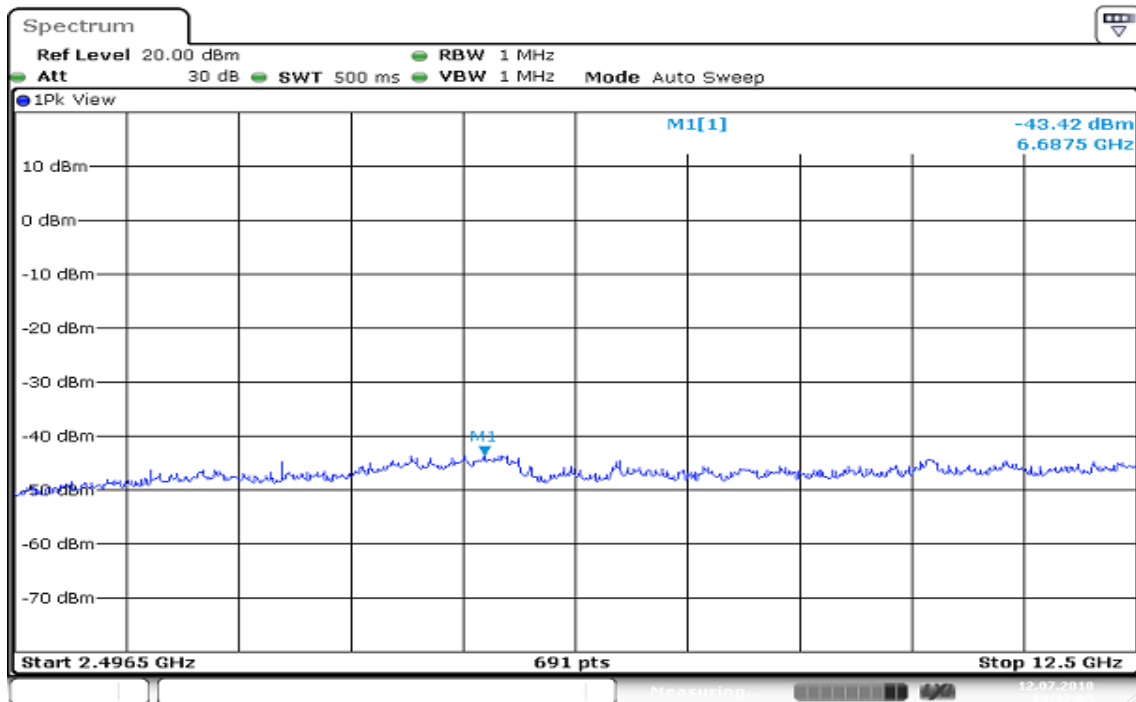
Date: 12 JUL 2018 14:06:13

Report No.: TMWK2205002083KR

Ref. No.: T180627D12-RJ2

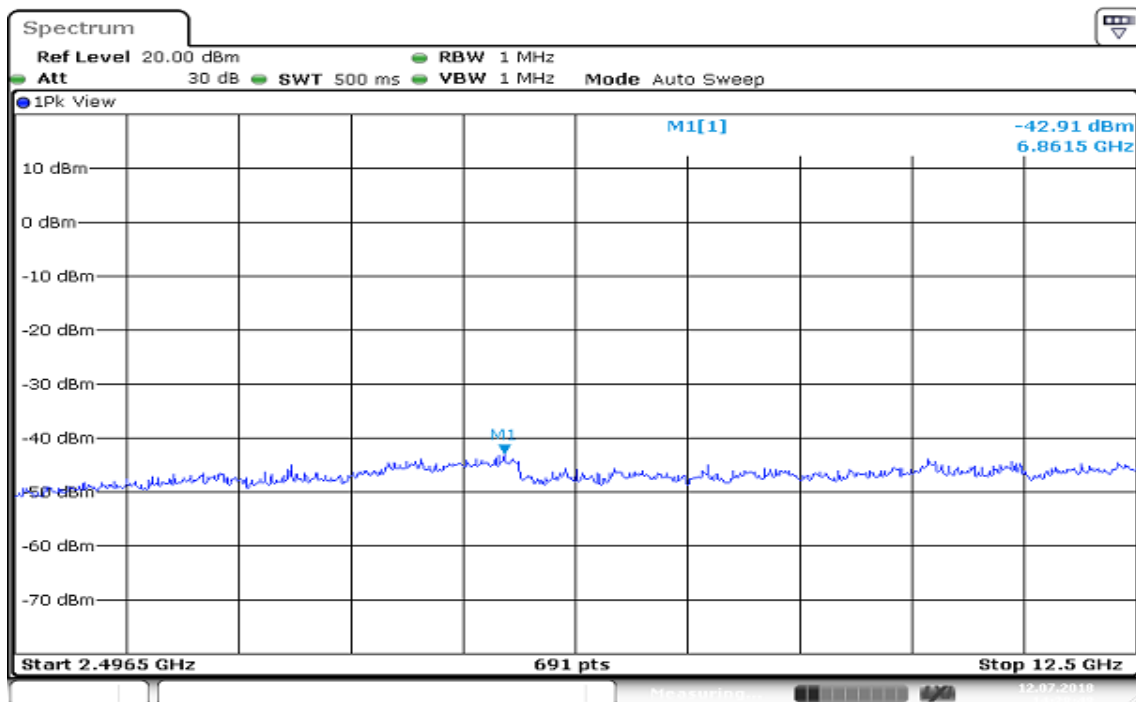
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## CH Mid



Date: 12 JUL 2018 14:12:05

## CH High



Date: 12 JUL 2018 14:28:48

Report No.: TMWK2205002083KR

Ref. No.: T180627D12-RJ2

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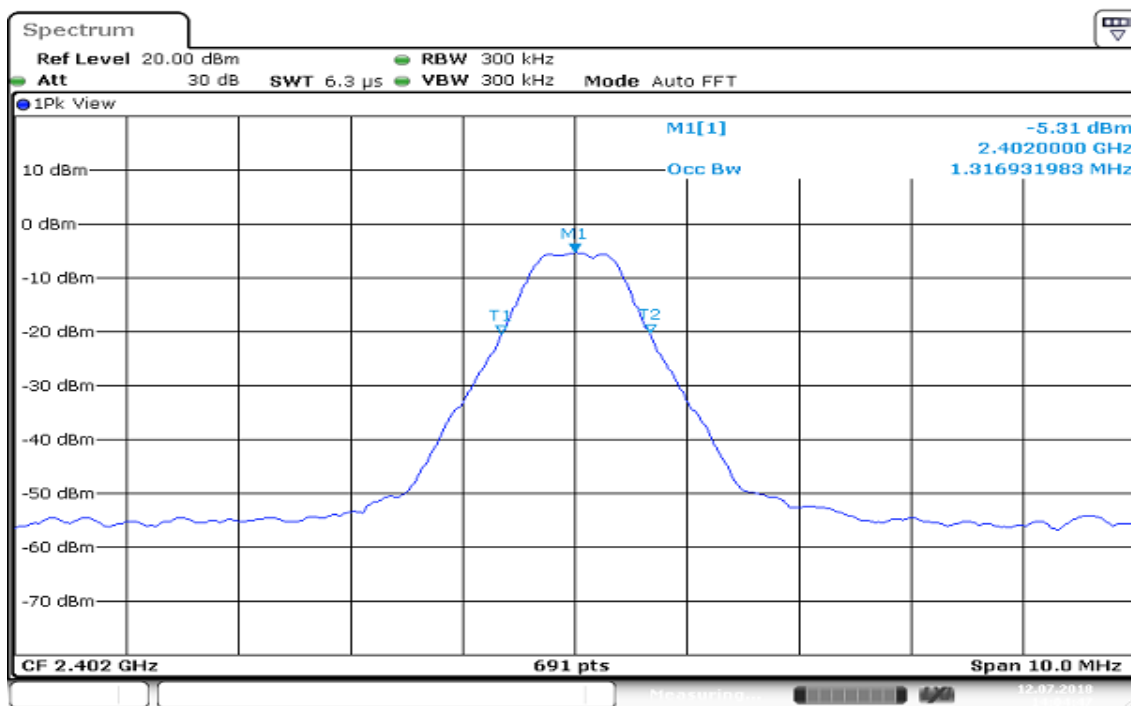
## 8.4 OCCUPIED BANDWIDTH (99%)

### TEST RESULT

Frequency (MHz)	Center Frequency (MHz)	Bandwidth (MHz)	Remark
2402.0000	2402.00	1.32	Normal Voltage
2440.0000	2440.00	1.29	
2480.0000	2480.00	1.29	

### TEST PLOTS

#### CH Low



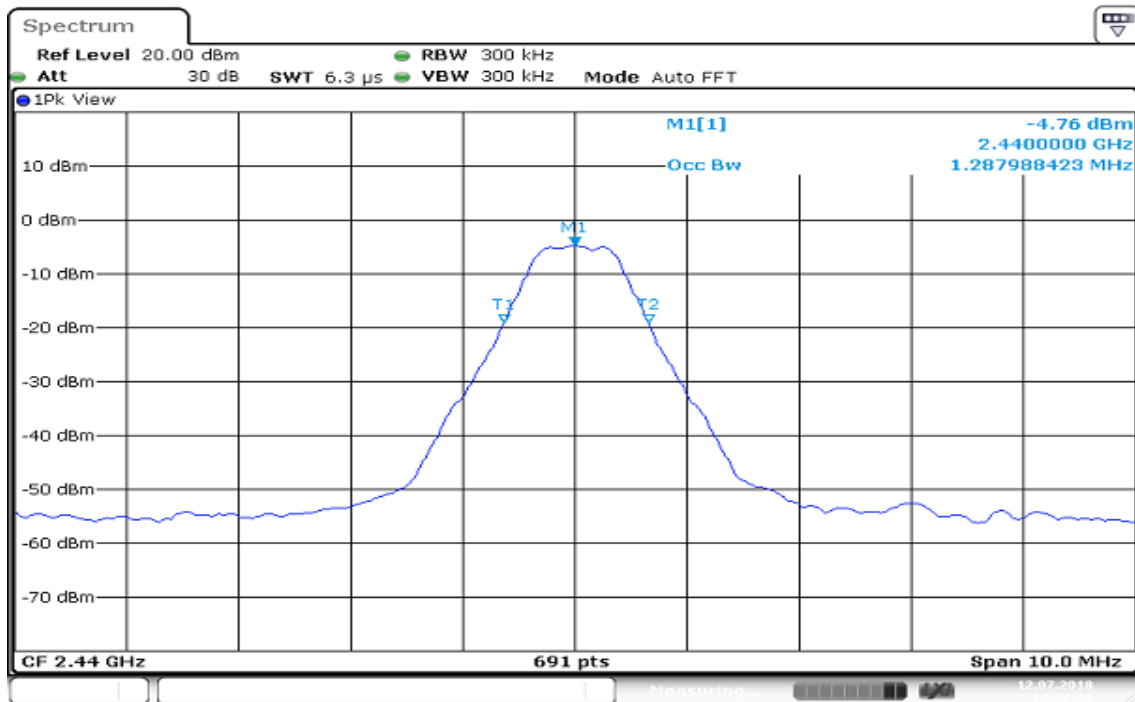
Date: 12 JUL 2018 14:04:47



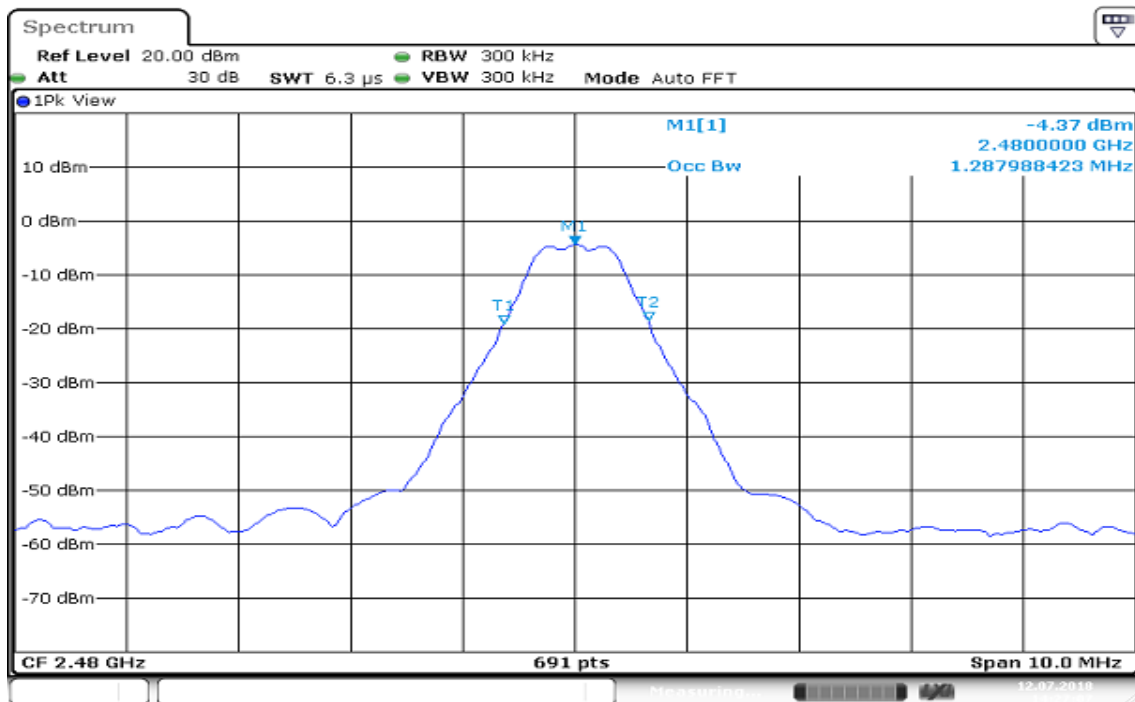
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**CH Mid**

Date: 12 JUL 2018 14:10:38

**CH High**

Date: 12 JUL 2018 14:27:08



## 8.5 LIMITATION OF COLLATERAL EMISSIONS OF RECEIVER

### TEST RESULT

#### 30MHz~1000MHz|

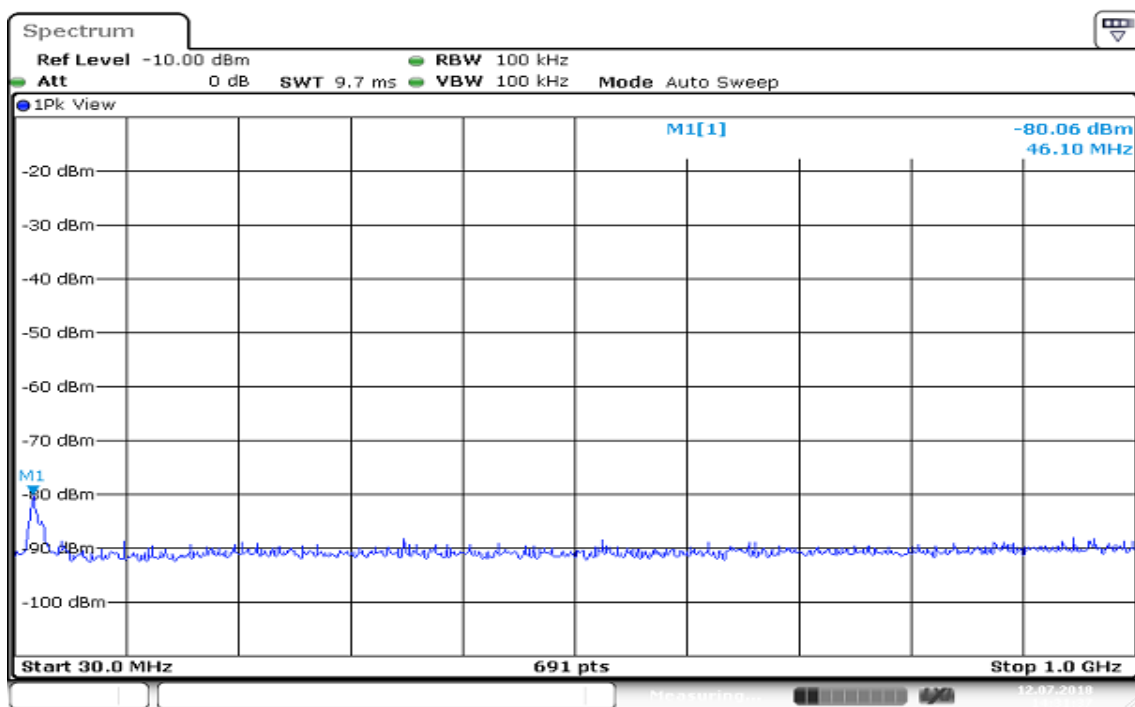
Freq: 30MHz~1GHz

Antenna 1

	Frequency (MHz)	Reading (dBm)	Cable Factor (dB)	Result (nW/MHz)	Remark
30MHz~less than 1GHz	46.1000	-80.06	10.92	0.1219	Normal Voltage

### TEST PLOTS

#### CH Mid





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## TEST RESULT

### 1GHz~12.5GHz

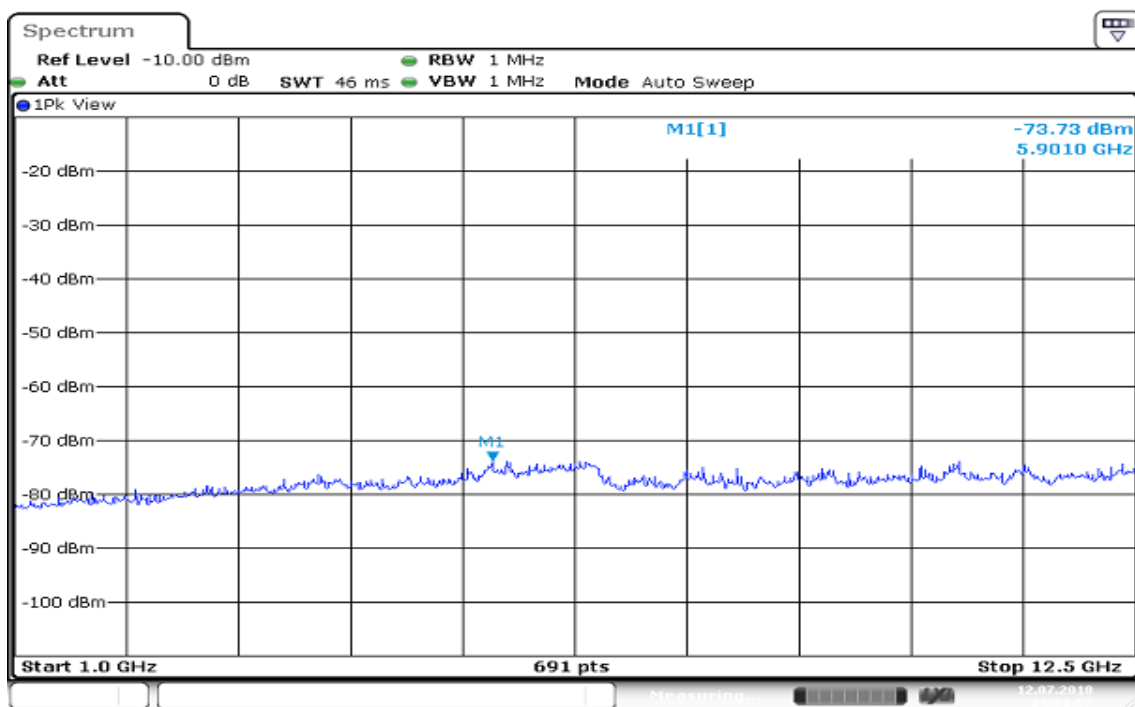
Freq: 1GHz~12.5GHz

Antenna 1

	Frequency (MHz)	Reading (dBm)	Cable Factor (dB)	Result (nW/MHz)	Remark
1GHz~12.5GHz	5901.0000	-73.73	10.61	0.4875	Normal Voltage

## TEST PLOTS

### CH Mid



- End of Test Report -

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## APPENDIX A - PHOTOGRAPHS OF TEST SETUP

