



FCC LISTED, REGISTRATION  
NUMBER: 2764.01

Test report No:

ISED LISTED REGISTRATION  
NUMBER: 23595-1

**NIE: 2099ERM.005**

### Test report

USA FCC Part 15.247, 15.209, 15.207

CANADA RSS-247, RSS-Gen

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

Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices.

General Requirements and Information for the Certification of Radio Apparatus.

Identification of item tested.....:	2.4 GHz ISM band transceiver, GPS receiver
Trademark .....	SUUNTO
Model and /or type reference .....	OW183
Other identification of the product .....	FCC ID: RYP2539 IC: 5175A-2539
Final HW version .....	C
Final SW version .....	Test sw Ibiza/K26NC v0.2.1
Features .....	GPS CNo, location and BTLE standalone test modes
Manufacturer .....	SUUNTO Oy Tammiston Kauppaite 7A, 01510 Vantaa, Finland
Test method requested, standard.....:	USA FCC Part 15.247, 10-1-17 Edition: Operation within the bands 902 - 928 MHz, 2400 -2483.5 MHz, and 5725 - 5850 MHz.  USA FCC Part 15.209, 10-1-17 Edition: Radiated emission limits; general requirements. USA FCC Part 15.207, 10-1-17 Edition: Conducted emission limits; general requirements.  CANADA RSS-247 Issue 2 (February 2017). CANADA RSS-Gen Issue 4 (November 2014). Guidance for Performing Compliance Measurements on Digital Transmission Systems (DTS) Operating Under § 15.247 558074 D01 DTS Meas Guidance v04 dated 05/04/2017. ANSI C63.10-2013: American National Standard for Testing Unlicensed Wireless Devices.
Summary .....	IN COMPLIANCE
Approved by (name / position & signature) .....	Domingo Galvez EMC & RF Lab. Manager
Date of issue.....	05/14/2018
Report template No.....	FDT08_20

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## Competences and guarantees

DEKRA Certification Inc. is a testing laboratory accredited by A2LA (The American Association for Laboratory Accreditation), to perform the tests indicated in the Certificate 2764.01.

DEKRA Certification Inc. is a laboratory with a measurement facility in compliance with the requirements of Section 2.948 of the FCC rules and has been added to the list of facilities whose measurements data will be accepted in conjunction with applications for Certification under Parts 15 or 18 of the Commission's Rules. Registration Number: 2764.01.

DEKRA Certification Inc. is a laboratory with a measurement site in compliance with the requirements of RSS 212, Issue 1 (Provisional) and has been added to the list of filed sites of the Canadian Certification and Engineering Bureau. Reference File Number:23595-1.

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

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

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

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

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## General conditions

1. This report is only referred to the item that has undergone the test.
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3. This document is only valid if complete; no partial reproduction can be made without previous written permission of DEKRA Certification Inc.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA Certification Inc. and the Accreditation Bodies.

## Uncertainty

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

## Usage of samples

Samples undergoing test have been selected by: **the client**

Sample S/01 is composed of the following elements:

Control N°	Description	Model	Serial N°	Date of reception
2099.014	SUUNTO BT With Conducted Port	OW183	18051200090	05/07/2018

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

Sample S/02 is composed of the following elements:

Control N°	Description	Model	Serial N°	Date of reception
2099.003	SUUNTO Radiated Sample without Conducted Port	OW183	18051200056	03/22/2018
2099.004	USB Cable	NA	NA	03/22/2018

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

Sample S/03 is composed of the following elements:

Control N°	Description	Model	Serial N°	Date of reception
2099.007	SUUNTO Radiated Sample without Conducted Port	OW183	18121300058	03/22/2018
2099.008	USB Cable	NA	NA	03/22/2018

## Test sample description

Outdoor Watch with GPS receiver and Bluetooth Low Energy Transceiver.

## Identification of the client

SUUNTO Oy  
Tammiston Kauppatie 7A, 01510 Vantaa, Finland

## Testing period

The performed test started on 03/22/2018 and finished on 05/07/2018.  
The tests have been performed at DEKRA Certification, Inc.

## Environmental conditions

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

<b>Temperature</b>	Min. = 15 °C Max. = 35 °C
<b>Relative humidity</b>	Min. = 20 % Max. = 75 %

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

<b>Temperature</b>	Min. = 15 °C Max. = 35 °C
<b>Relative humidity</b>	Min. = 20 % Max. = 75 %
<b>Air pressure</b>	Min. = 860 mbar Max. = 1060 mbar

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

<b>Temperature</b>	Min. = 15 °C Max. = 35 °C
<b>Relative humidity</b>	Min. = 20 % Max. = 75 %
<b>Air pressure</b>	Min. = 860 mbar Max. = 1060 mbar

## Remarks and comments

1: The tests have been performed by the technical personnel: Divya Adusumilli and Koji Nishimoto.

The total uncertainty of the measurement system for the measured conducted disturbance characteristics of EUT from 150kHz to 30 MHz is  $I = \pm 3,9$  dB for quasi-peak measurements,  $I = \pm 3,2$  dB for average measurements ( $k=2$ ).

2: Used instrumentation:

RF Conducted Measurements

Test system Rohde & Schwarz TS 8997:

No.	Description	Last Cal. Date	Cal. Due date
1.	Signal analyzer Rohde & Schwarz FSV40	2017/03	2019/03
2.	Switch unit Rohde & Schwarz with power detector OSP120 / OSP-B157	2017/03	2019/03
3.	RF generator Rohde & Schwarz SMB100A	2017/04	2019/04
4.	RF generator Rohde & Schwarz SMBV100A	2018/01	2019/01
5.	Climatic chamber Espec	2017/12	2018/12

Radiated Measurements

No.	Description	Last Cal. date	Cal. due date
1.	Semi anechoic Absorber Lined Chamber Frankonia SAC 3 plus "L"	N/A	N/A
2.	BiconicalLog antenna ETS LINDGREN 3142E	2017/03	2020/03
3.	Double-ridge Waveguide Horn antenna 1-18 GHz	2017/03	2019/03
4.	Spectrum analyzer Rohde & Schwarz FSV40	2017/03	2019/03
5.	RF pre-amplifier 30 MHz-6 GHz Bonn Elektronik BLMA 0360-01N	2017/05	2019/05
6.	RF pre-amplifier 1-18 GHz Bonn Elektronik BLMA 0118-2A	2017/05	2019/05

Continuous Conducted Emission Measurements

No.	Description	Last Cal. date	Cal. due date
1	EMI Test Receiver /ESR7/Rohde & Schwarz	2017/03	2019/03
2	LISN/PMM L3-32/Narda	2017/03	2019/03
3	Pulse Limiter/PMM/ PL01Narda	2017/06	2019/03

## Testing verdicts

<b>Not applicable</b> ..... :	N/A
<b>Pass</b> ..... :	P
<b>Fail</b> ..... :	F
<b>Not measured</b> ..... :	N/M

### 1. BTLE

FCC PART 15 PARAGRAPH / RSS-247		VERDICT			
		NA	P	F	NM
Section 15.247 Subclause (a) (2) / RSS-247 5.2. (a)	6 dB Bandwidth		P		
Section 15.247 Subclause (b) / RSS-247 5.4. (d)	Maximum output power and antenna gain		P		
Section 15.247 Subclause (d) / RSS-247 5.5.....	Emission limitations conducted (Transmitter)		P		
Section 15.247 Subclause (d) / RSS-247 5.5. ...	Band-edge emissions compliance (Transmitter)		P		
Section 15.247 Subclause (e) / RSS-247 5.2. (b)	Power spectral density		P		
Section 15.247 Subclause (d) / RSS-247 5.5. ...	Emission limitations radiated (Transmitter)		P		
Section 15.207 Subclause (c) / RSS Gen 8.8 ....	AC Power Line Conducted Emissions Limits		P		

## Appendix A – Test result (Bluetooth Low Energy)



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## TEST CONDITIONS

Power supply (V):

$$V_{\text{nominal}} = 4.35 \text{ Vdc}$$

Type of power supply = DC voltage from internal battery.

Type of antenna = Integral antenna

Declared Gain for antenna (maximum) = -7.1 dBi

Temperature (°C):

$$T_n = +15 \text{ to } +35$$

$$T_{\text{min}} = -20 (*)$$

$$T_{\text{max}} = +60 (*)$$

The subscript n indicates normal test conditions.

The subscripts min and max indicates extreme test conditions (minimum and maximum respectively).

(\*): Declared by applicant.

### TEST FREQUENCIES:

Lowest channel: 2402 MHz

Middle channel: 2440 MHz

Highest channel: 2480 MHz

### CONDUCTED MEASUREMENTS

The equipment under test was set up in a shielded room and it is connected to the Test System TS8997.

### RADIATED MEASUREMENTS

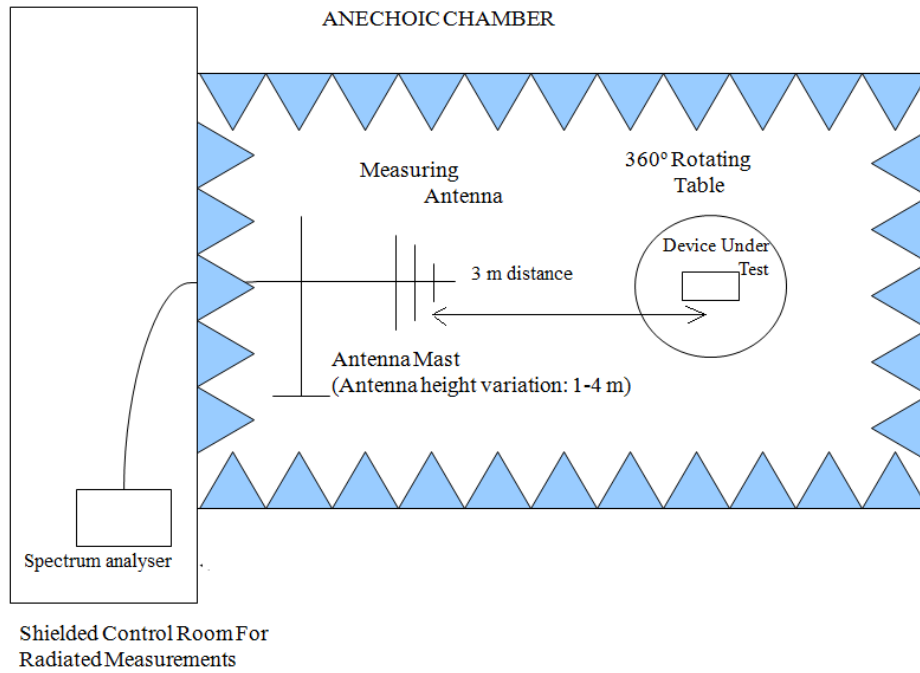
All radiated tests were performed in a semi-anechoic chamber. The measurement antenna is situated at a distance of 3 m for the frequency range 30 MHz-1000 MHz (30 MHz-1000 MHz Bilog antenna) and at a distance of 1m for the frequency range 1 GHz-25 GHz (1 GHz-18 GHz Double ridge horn antenna and 18 GHz-40 GHz horn antenna).

For radiated emissions in the range 1 GHz-25 GHz that is performed at a distance closer than the specified distance, an inverse proportionality factor of 20 dB per decade is used to normalize the measured data for determining compliance.

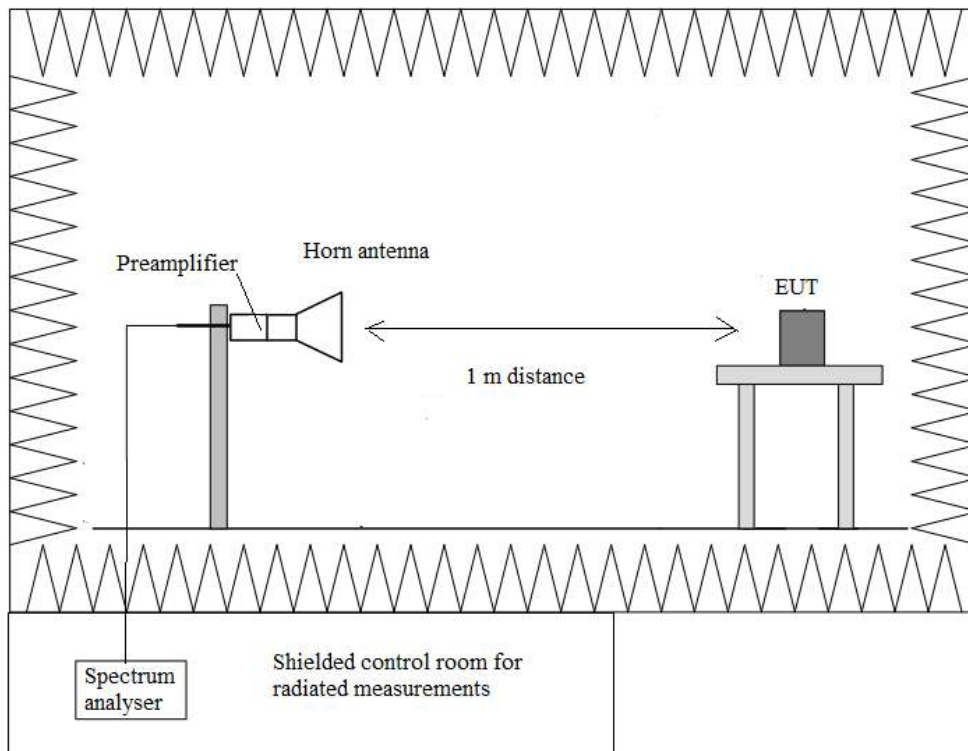
The equipment under test was set up on a non-conductive platform above the ground plane and the situation and orientation was varied to find the maximum radiated emission. It was also rotated 360° and the antenna height was varied from 1 to 4 meters to find the maximum radiated emission.

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

### Radiated measurements setup $f < 1$ GHz



### Radiated measurements setup $f > 1$ GHz



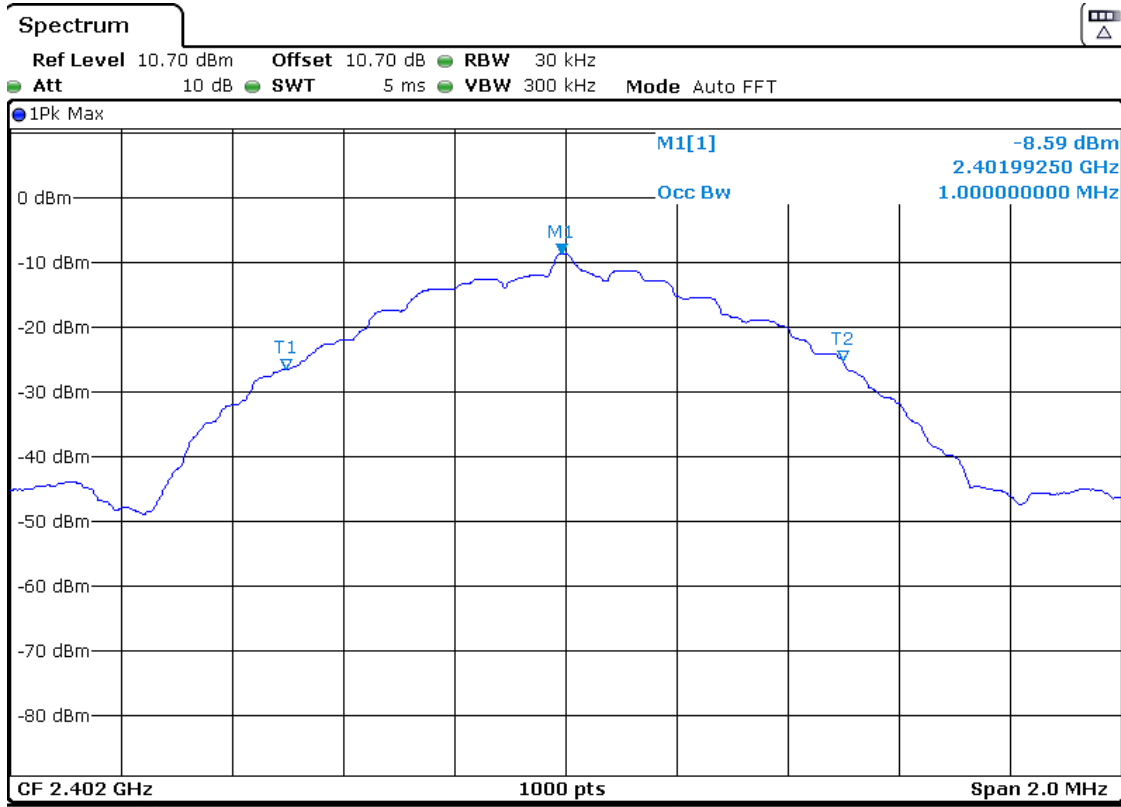
### Occupied Bandwidth

#### RESULTS

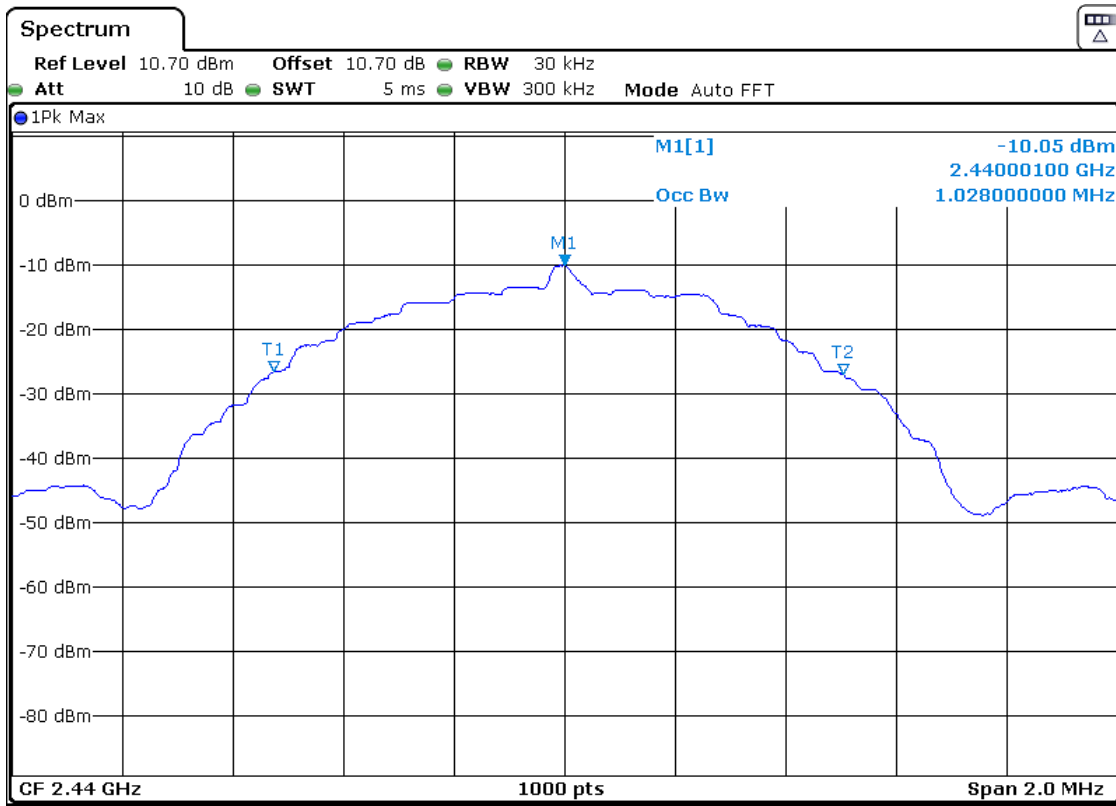
(see next plots).

	Lowest frequency 2402 MHz	Middle frequency 2440 MHz	Highest frequency 2480 MHz
20 dB bandwidth (MHz)	1.143	1.113	1.128
99% bandwidth (MHz)	1.00	1.028	1.002
Measurement uncertainty (kHz)	<± 8.33		

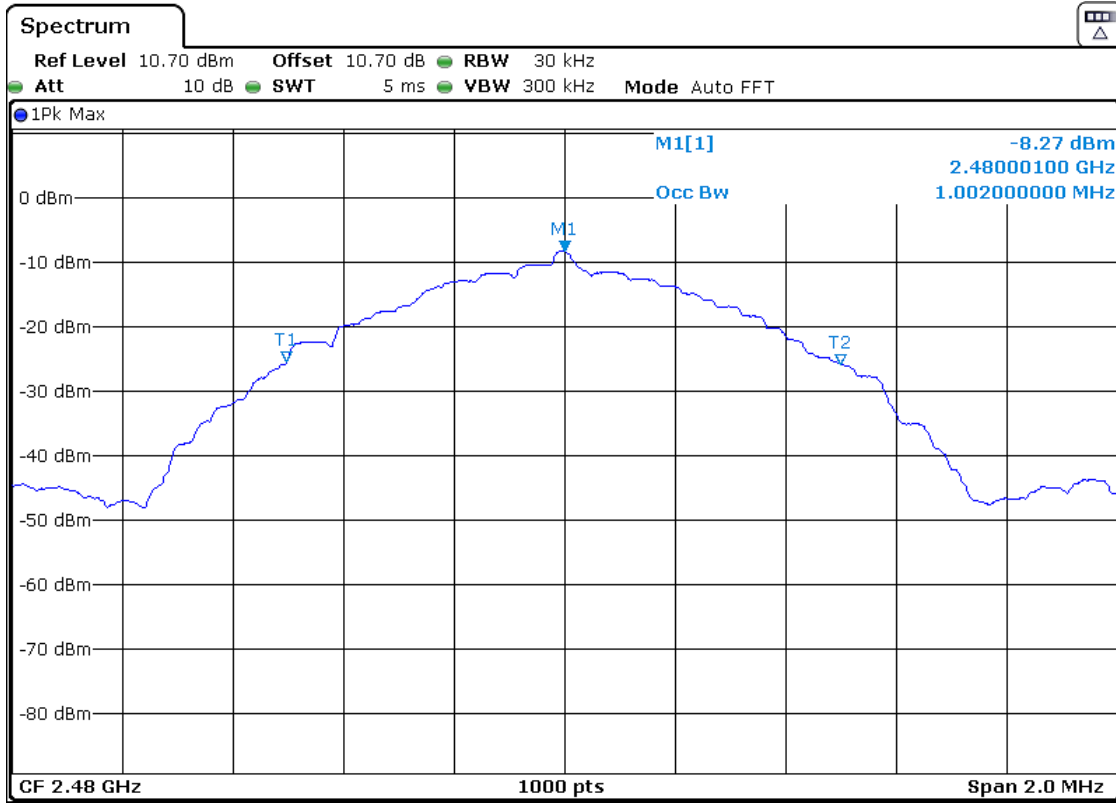
Lowest Channel (99% Bandwidth)



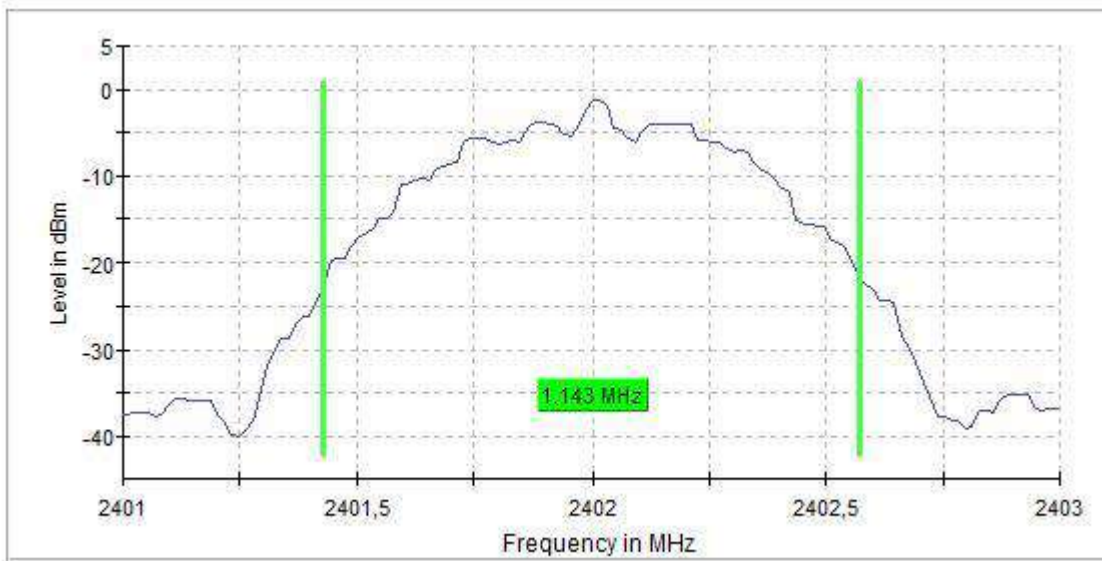
Middle Channel (99% Bandwidth)



Highest channel (99% Bandwidth)



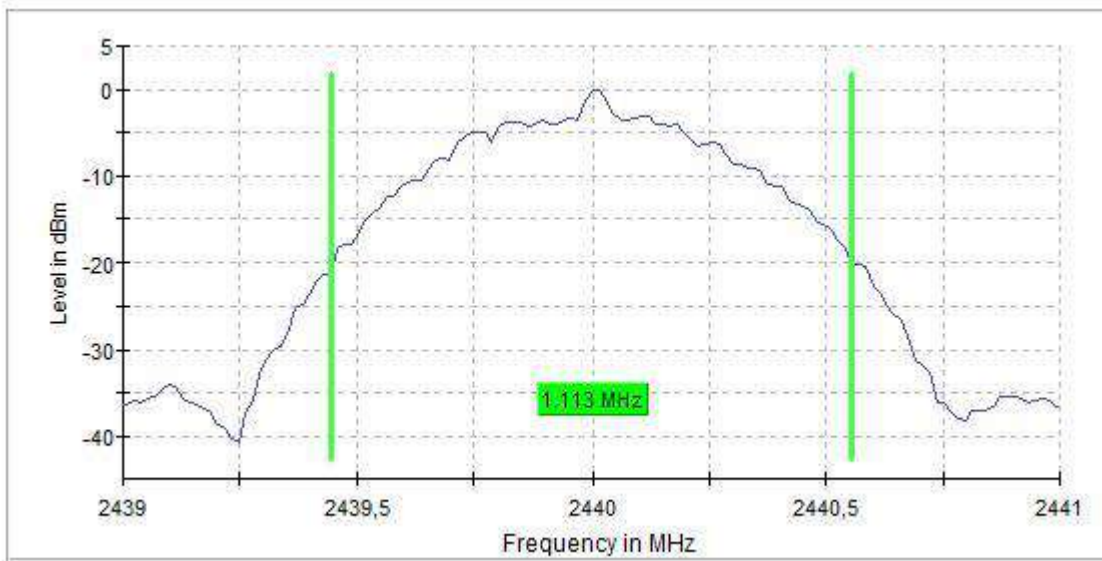
Lowest Channel (20dB Bandwidth)



Date: 31.MAY.2018 12:57:36

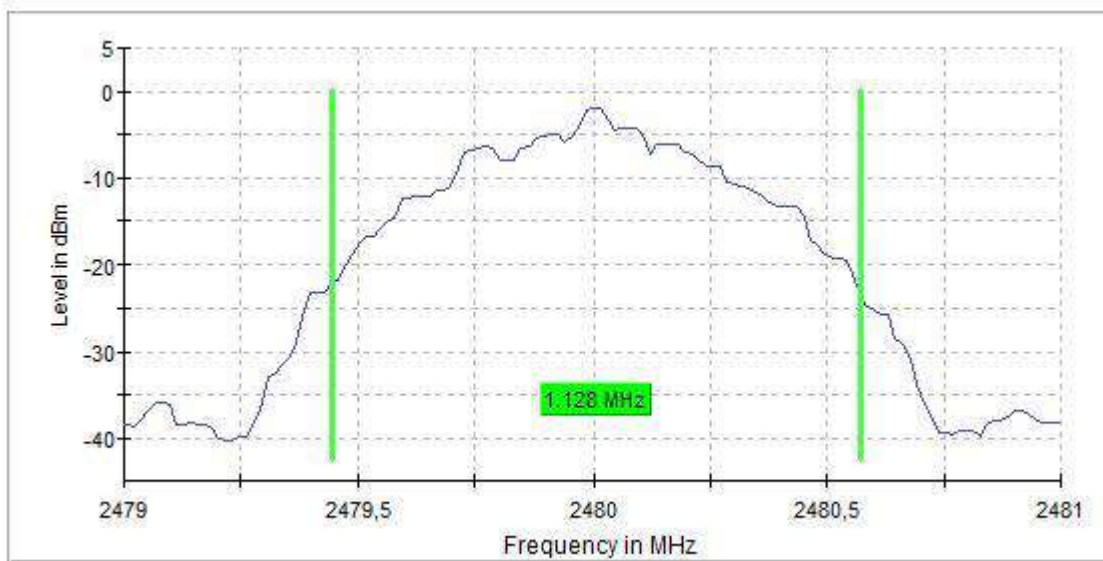


Middle Channel (20dB Bandwidth)



Date: 31.MAY.2018 13:07:40

Highest channel (20dB Bandwidth)



Date: 31.MAY.2018 13:11:56

## Measurement

Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	2.40000 GHz	2.43800 GHz	2.47800 GHz
Stop Frequency	2.40400 GHz	2.44200 GHz	2.48200 GHz
Span	4.000 MHz	4.000 MHz	4.000 MHz
RBW	100.000 kHz	100.000 kHz	100.000 kHz
VBW	300.000 kHz	300.000 kHz	300.000 kHz
SweepPoints	101	101	101
SweepTime	18.938 $\mu$ s	18.938 $\mu$ s	18.938 $\mu$ s
Reference Level	0.000 dBm	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak	MaxPeak
SweepCount	100	100	100
Filter	3 dB	3 dB	3 dB
Trace Mode	Max Hold	Max Hold	Max Hold
SweepType	FFT	FFT	FFT
Preamp	off	off	off
Stablemode	Trace	Trace	Trace
Stablevalue	0.50 dB	0.50 dB	0.50 dB
Run	14 / max. 150	18 / max. 150	10 / max. 150
Stable	5 / 5	5 / 5	5 / 5
Max Stable Difference	0.43 dB	0.02 dB	0.00 dB

**Section 15.247 Subclause (a) (2) / RSS-247 5.2. (a). 6 dB Bandwidth**

SPECIFICATION

The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

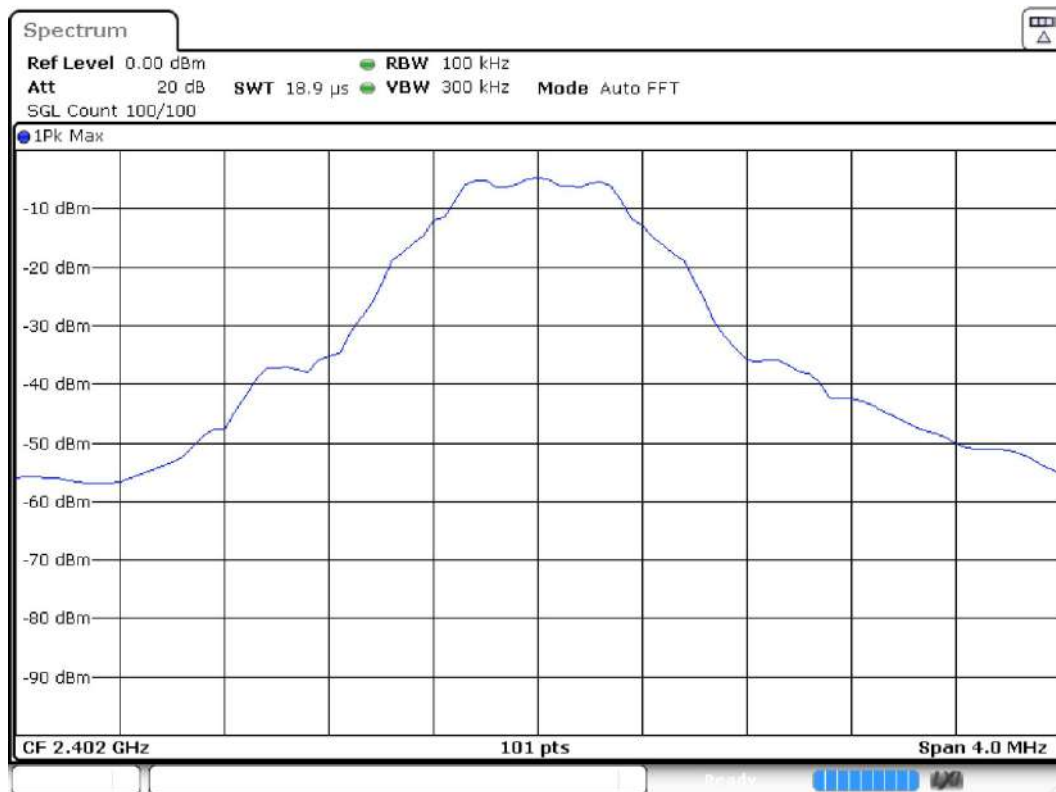
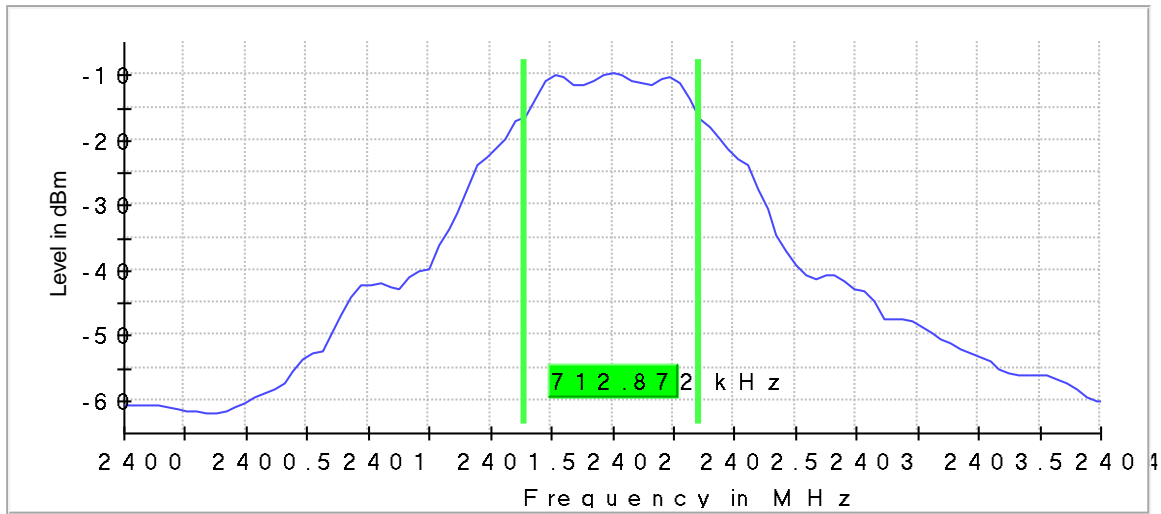
6 dB Bandwidth (see next plots).

	Lowest frequency 2402 MHz	Middle frequency 2440 MHz	Highest frequency 2480 MHz
6 dB Spectrum bandwidth (kHz)	712.872	712.872	712.872
Measurement uncertainty (kHz)	<±20.0		

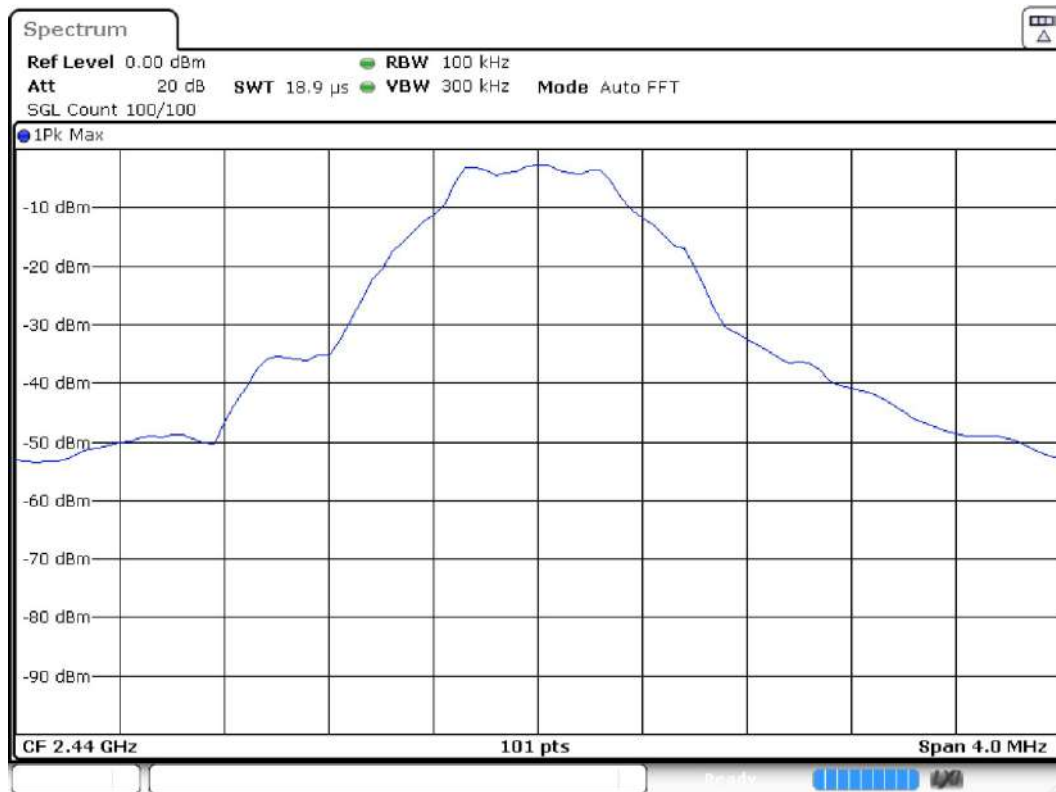
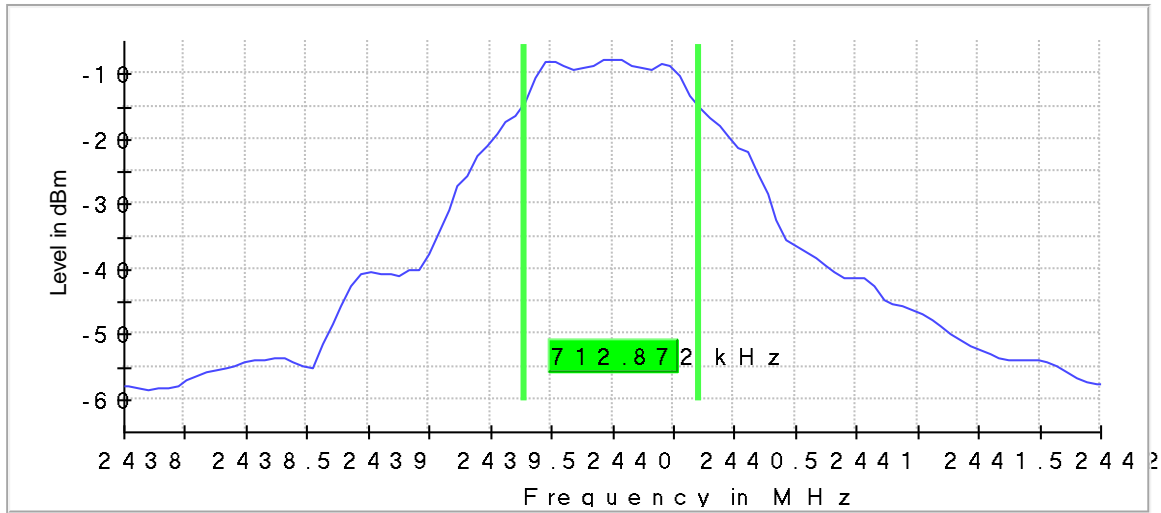
Verdict: PASS

6 dB BANDWIDTH.

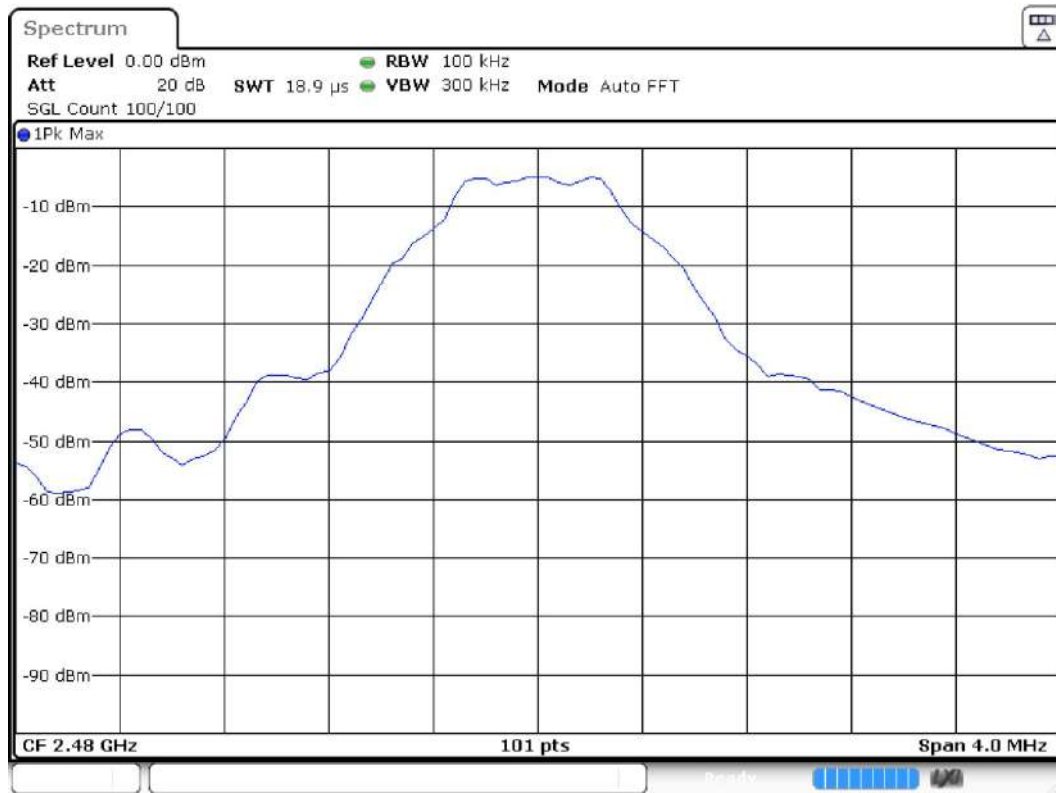
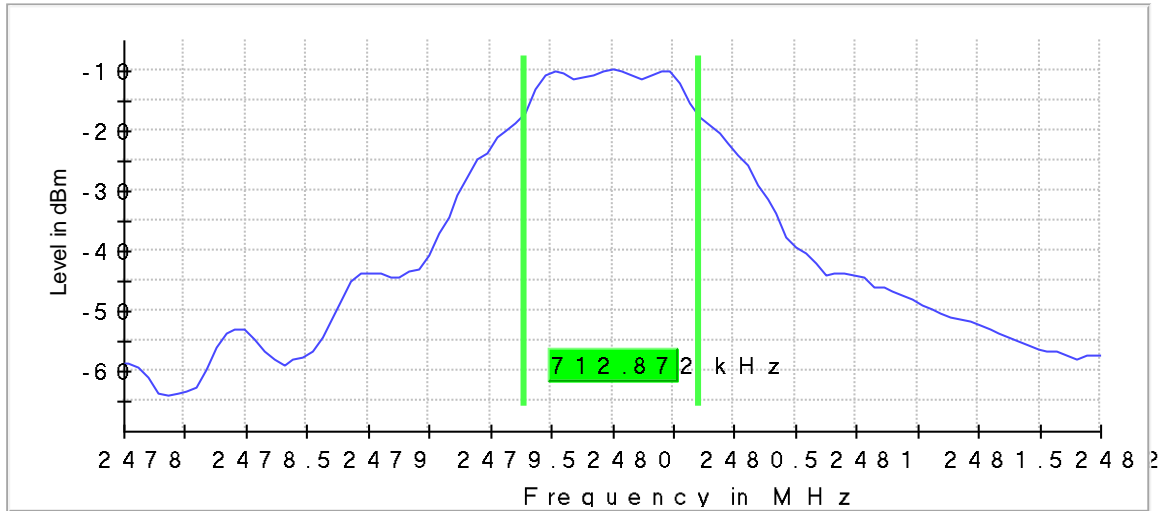
Lowest Channel



Middle Channel



### Highest Channel



## Measurement

Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	2.40000 GHz	2.43800 GHz	2.47800 GHz
Stop Frequency	2.40400 GHz	2.44200 GHz	2.48200 GHz
Span	4.000 MHz	4.000 MHz	4.000 MHz
RBW	100.000 kHz	100.000 kHz	100.000 kHz
VBW	300.000 kHz	300.000 kHz	300.000 kHz
SweepPoints	101	101	101
SweepTime	18.938 µs	18.938 µs	18.938 µs
Reference Level	0.000 dBm	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak	MaxPeak
SweepCount	100	100	100
Filter	3 dB	3 dB	3 dB
Trace Mode	Max Hold	Max Hold	Max Hold
SweepType	FFT	FFT	FFT
Preamp	off	off	off
Stablemode	Trace	Trace	Trace
Stablevalue	0.50 dB	0.50 dB	0.50 dB
Run	14 / max. 150	14 / max. 150	20 / max. 150
Stable	5 / 5	5 / 5	5 / 5
Max Stable Difference	0.40 dB	0.03 dB	0.00 dB



**Section 15.247 Subclause (b) / RSS-247 5.4. (d). Maximum output power and antenna gain**

SPECIFICATION

For systems using digital modulation in the 2400-2483.5 MHz band: 1 watt (30 dBm).  
The e.i.r.p. shall not exceed 4 W (36 dBm) (Canada).

RESULTS

The maximum peak conducted output power was measured using the method according to point 9.1.1. of Guidance for Performing Compliance Measurements on Digital Transmission Systems (DTS) Operating Under §15.247 558074 D01 DTS Meas Guidance v04 dated 05/04/2017.

The EIRP power (dBm) is calculated by adding the declared maximum antenna gain to the measured conducted power.

MAXIMUM OUTPUT POWER. See next plots.

Maximum declared antenna gain: -7.1 dBi.

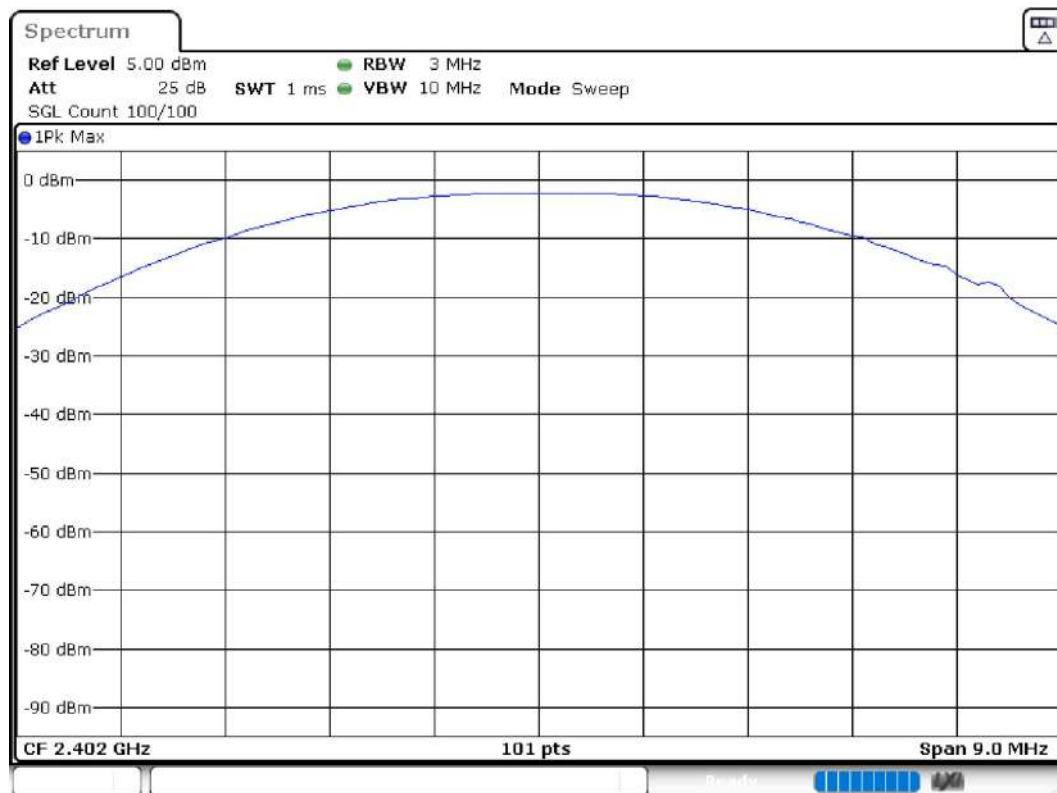
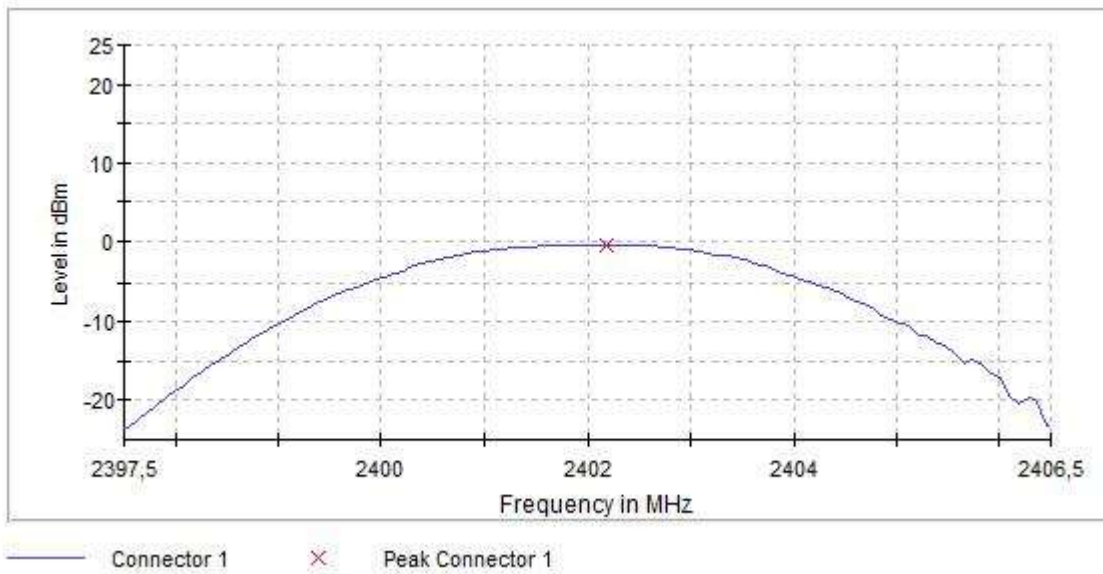
	Lowest frequency 2402 MHz	Middle frequency 2440 MHz	Highest frequency 2480 MHz
Maximum conducted power (dBm)	-0.5	0.5	-1.1
Maximum EIRP power (dBm)	-7.6	-6.6	-8.2
Measurement uncertainty (dB)	<±0.78		

The maximum directional gain of the antenna is less than 6 dBi and therefore the maximum output power is not required to be reduced from the stated values.

Verdict: PASS

### CONDUCTED PEAK POWER.

Lowest frequency

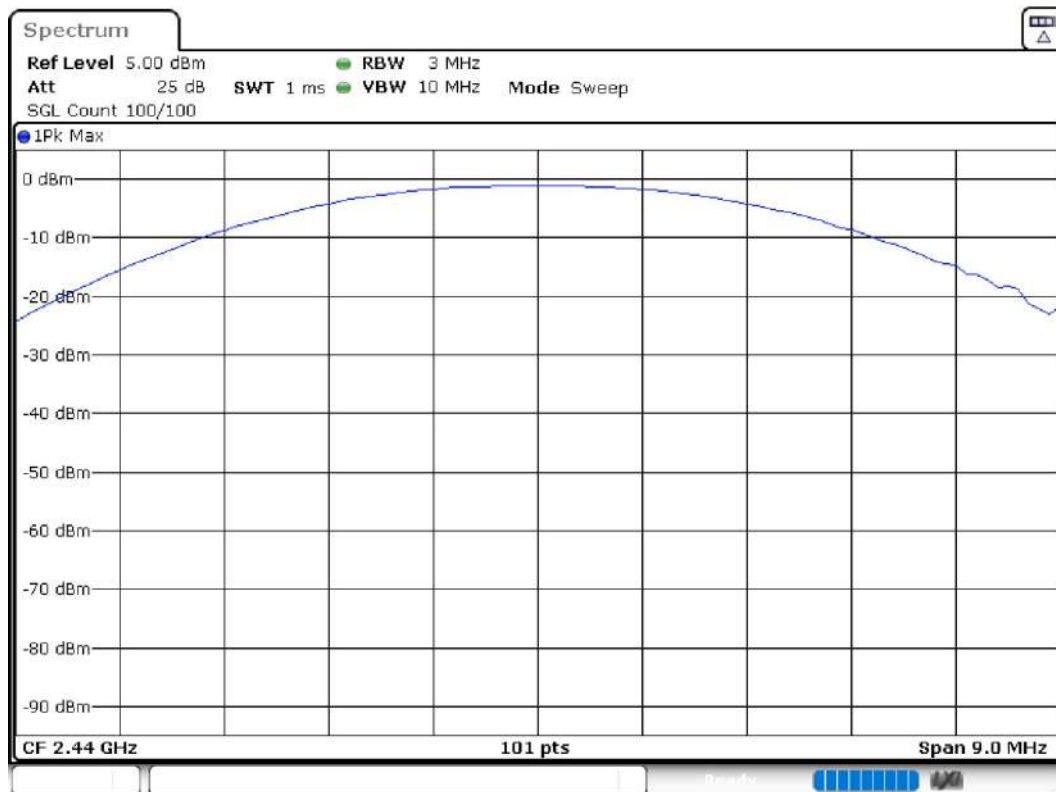


Date: 31.MAY.2018 12:57:21

Middle frequency

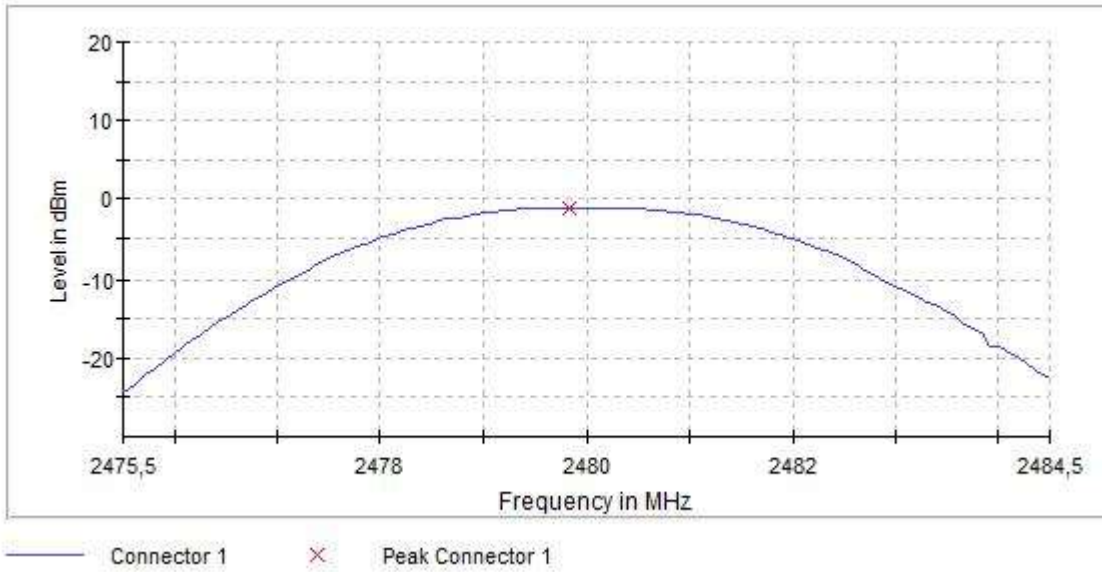


Connector 1    X    Peak Connector 1



Date: 31.MAY.2018 13:07:47

Highest frequency



Date: 31.MAY.2018 13:12:03

## Measurement

Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	2.39750 GHz	2.43550 GHz	2.47550 GHz
Stop Frequency	2.40650 GHz	2.44450 GHz	2.48450 GHz
Span	9.000 MHz	9.000 MHz	9.000 MHz
RBW	3.000 MHz	3.000 MHz	3.000 MHz
VBW	10.000 MHz	10.000 MHz	10.000 MHz
SweepPoints	101	101	101
SweepTime	1.000 ms	1.000 ms	1.000 ms
Reference Level	5.000 dBm	5.000 dBm	5.000 dBm
Attenuation	25.000 dB	25.000 dB	25.000 dB
Detector	MaxPeak	MaxPeak	MaxPeak
SweepCount	100	100	100
Filter	3 dB	3 dB	3 dB
Trace Mode	Max Hold	Max Hold	Max Hold
SweepType	Sweep	Sweep	Sweep
Preamp	off	off	off
Stablemode	Trace	Trace	Trace
Stablevalue	0.50 dB	0.50 dB	0.50 dB
Run	4 / max. 150	4 / max. 150	4 / max. 150
Stable	3 / 3	3 / 3	3 / 3
Max Stable Difference	0.02 dB	0.04 dB	0.03 dB

**Section 15.247 Subclause (d) / RSS-247 5.5. Emission limitations conducted (Transmitter)**

SPECIFICATION

In any 100 kHz bandwidth outside the frequency band in which the 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. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required shall be 30 dB instead of 20 dB.

RESULTS:

Reference Level Measurement

	Lowest frequency 2402 MHz	Middle frequency 2440 MHz	Highest frequency 2480 MHz
Reference Level Measurement (dBm)	-6.476	-3.956	-7.648
Measurement uncertainty (dB)	<±0.78		

Lowest frequency 2402 MHz:

All peaks are more than 20 dB below the limit.

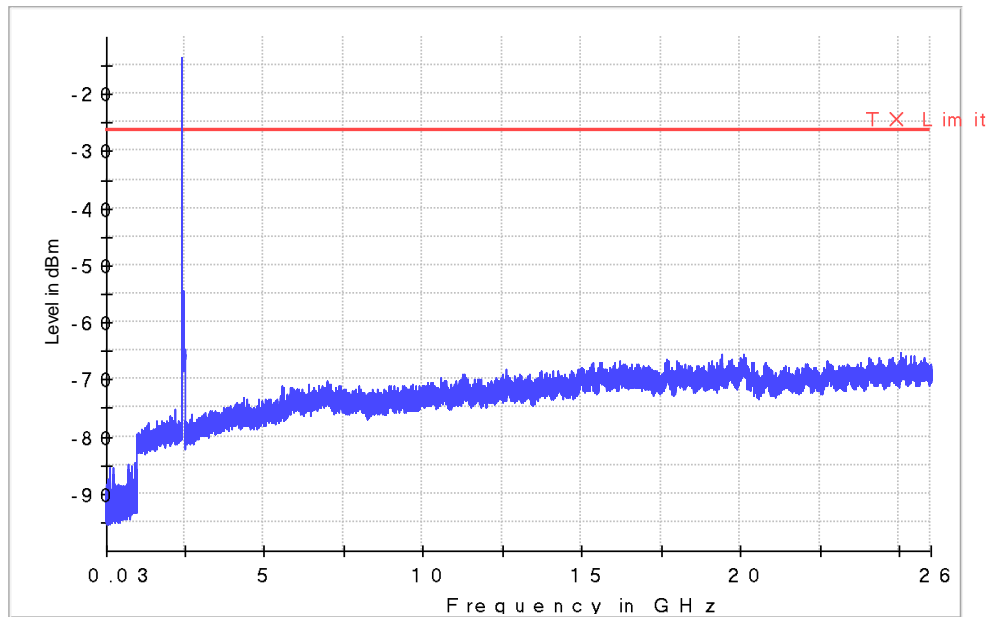
Middle frequency 2440 MHz:

All peaks are more than 20 dB below the limit.

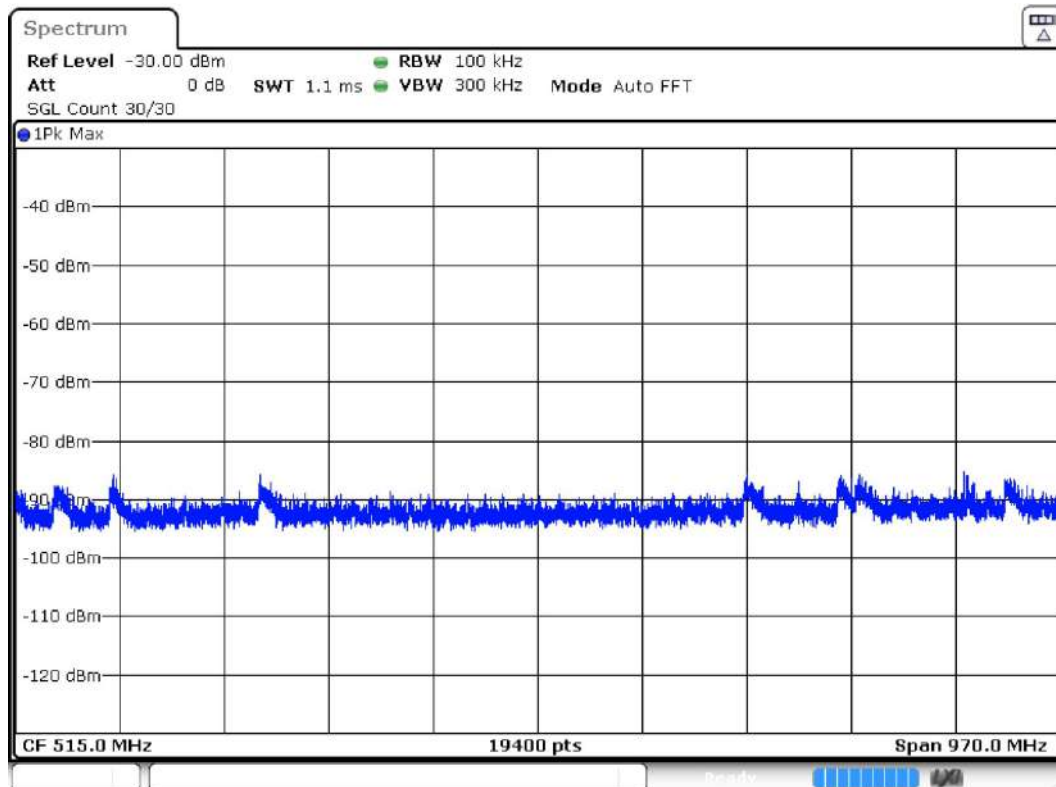
Highest frequency 2480 MHz:

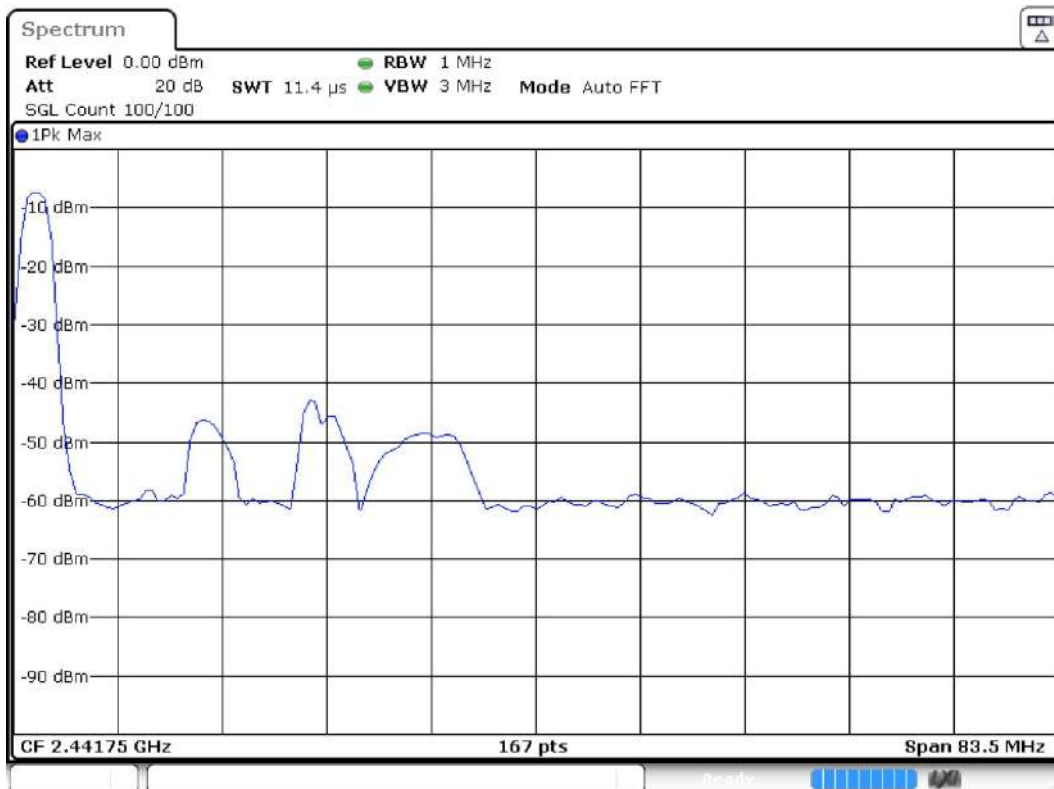
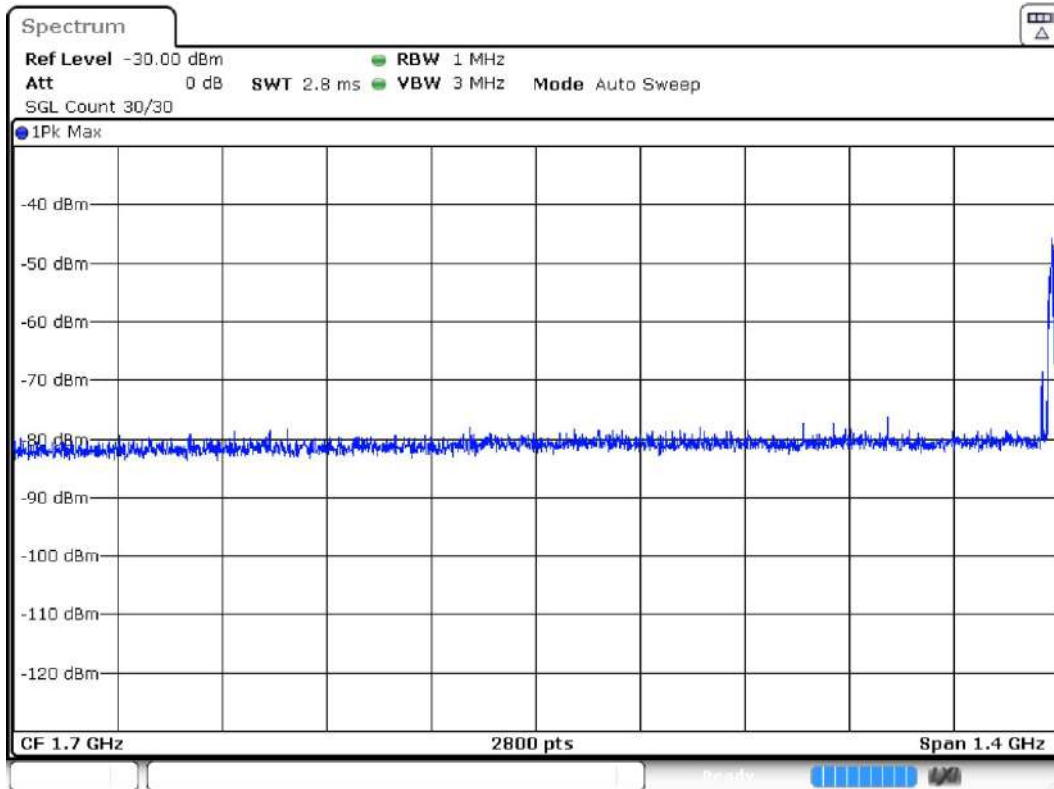
Frequency (MHz)	Emission limitations conducted (dBm)	Limit (dBm)
2485.75	-41.7	-41.2

**Lowest frequency 2402 MHz:**

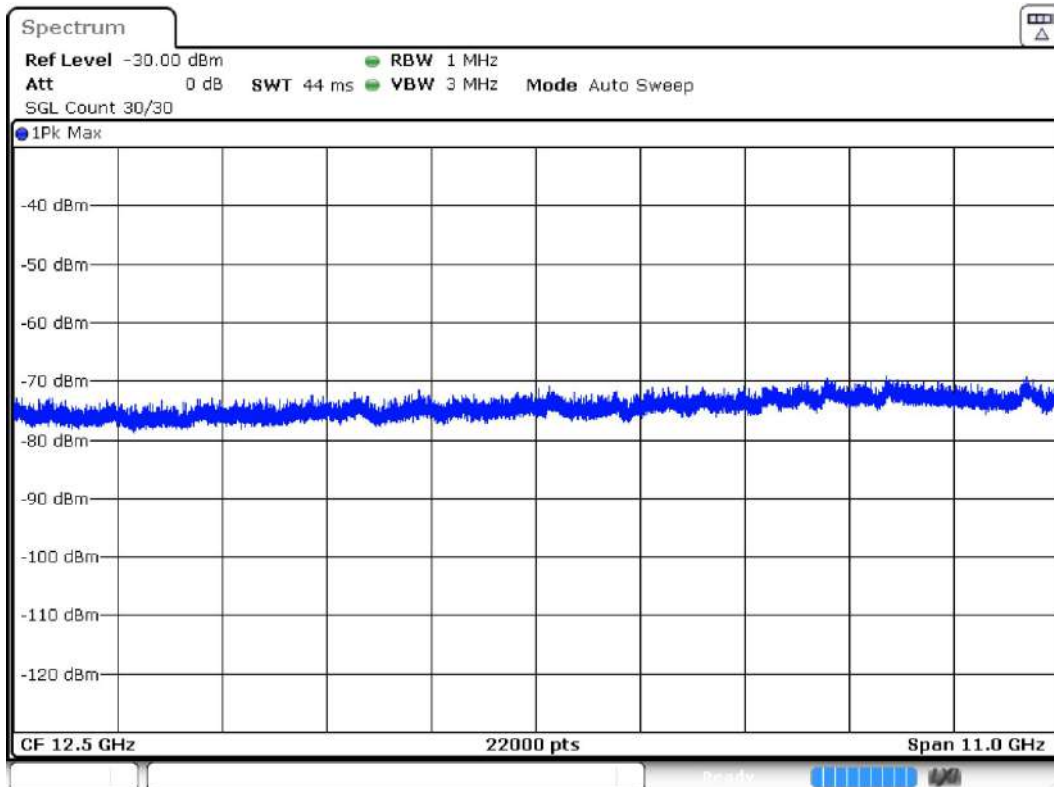
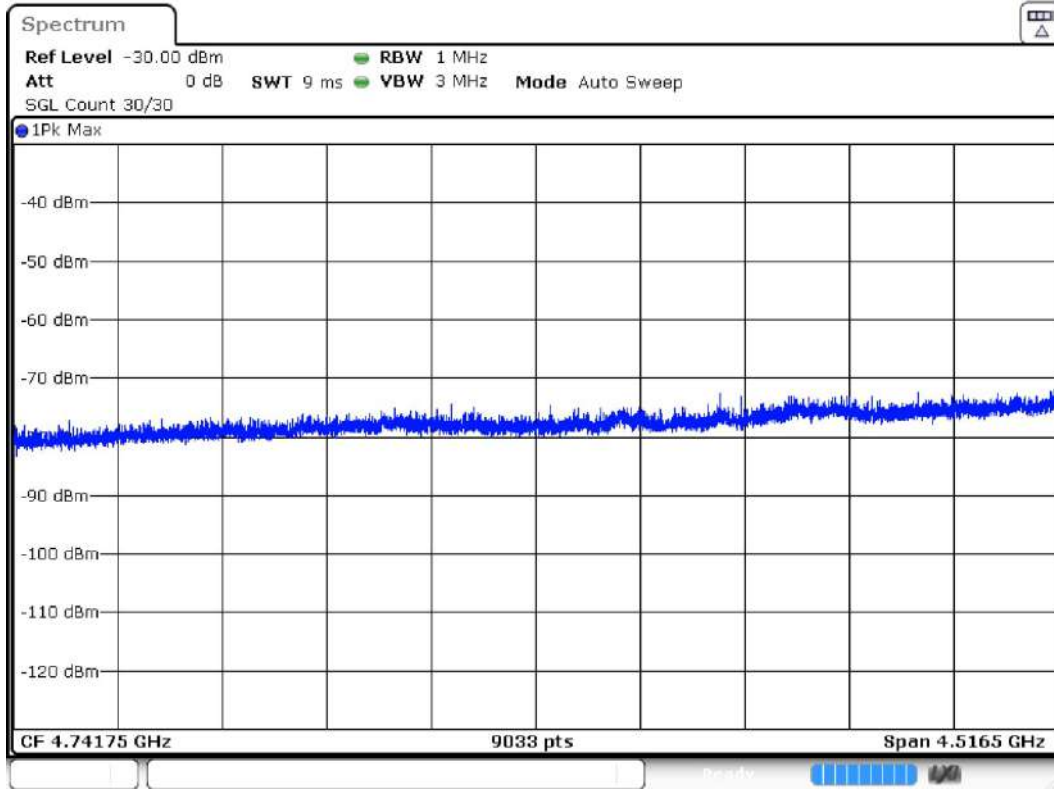


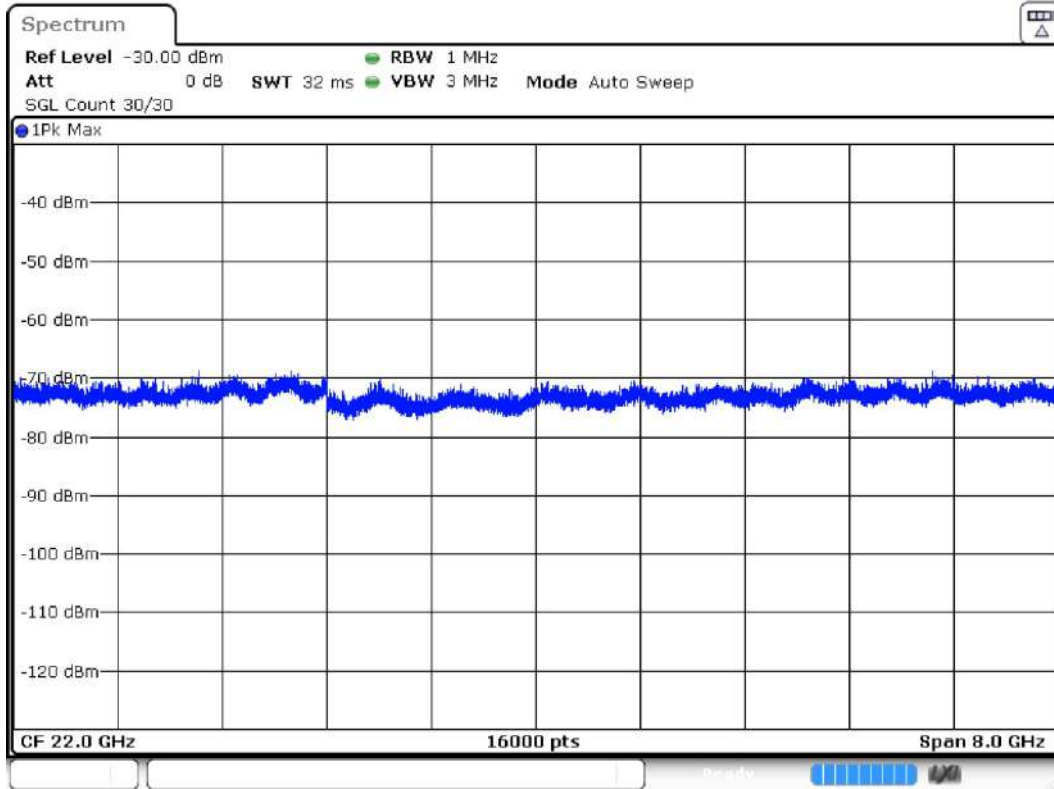
— TX Limit — Sum Level



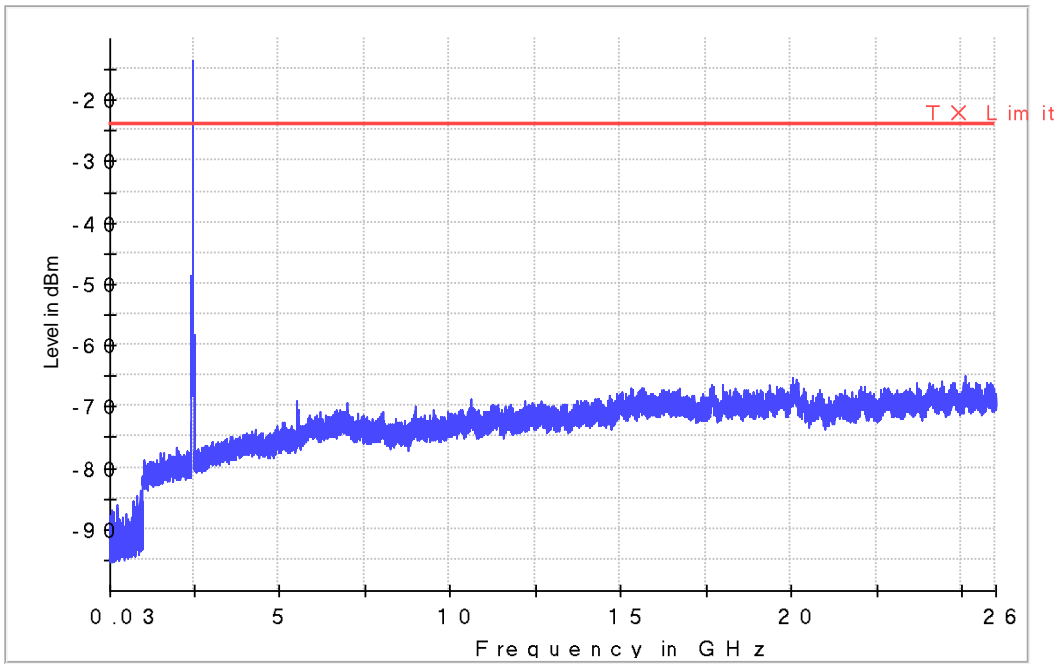




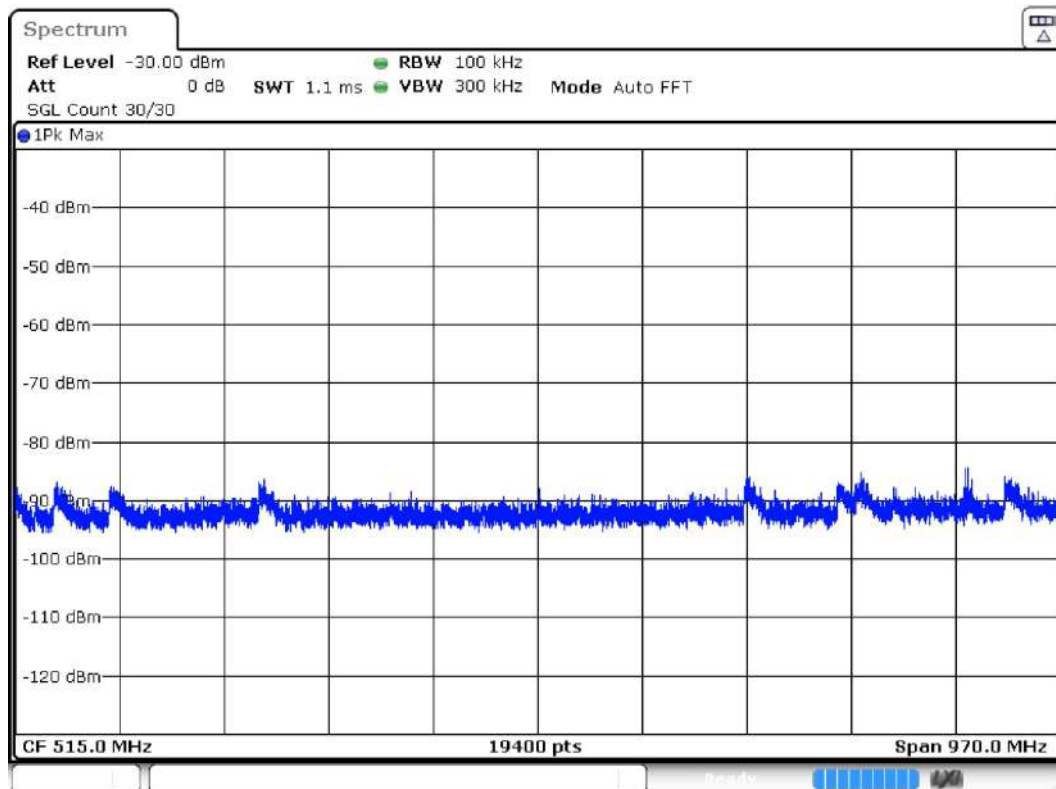


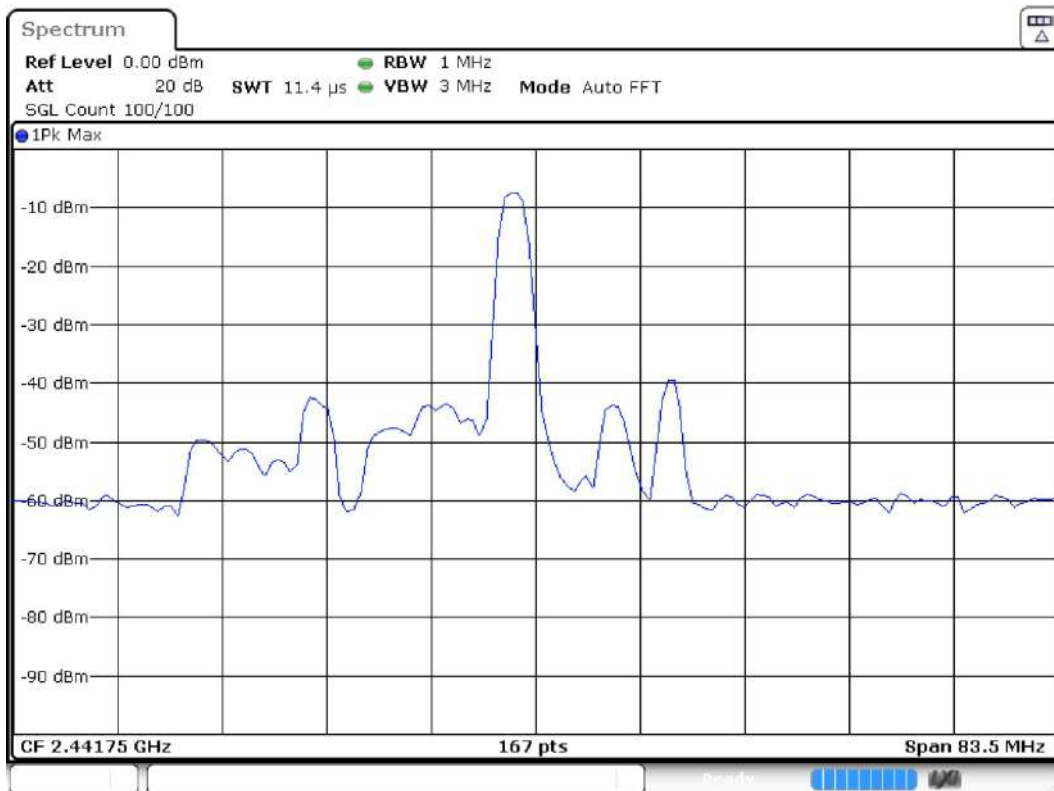
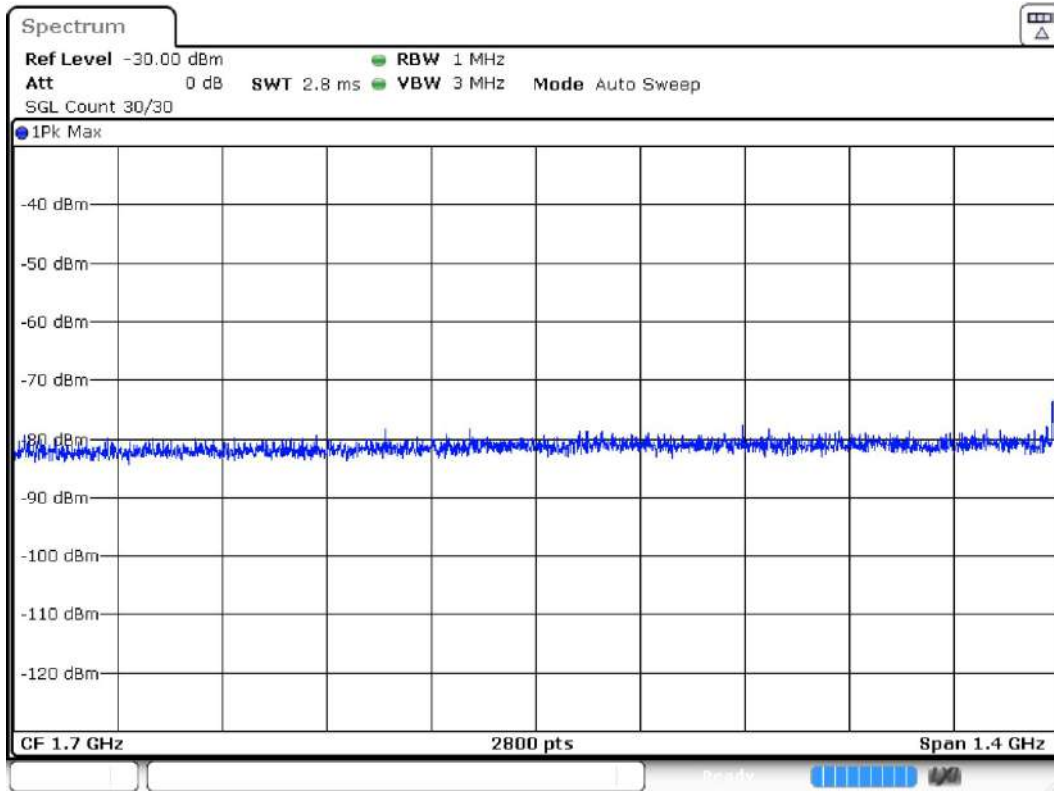


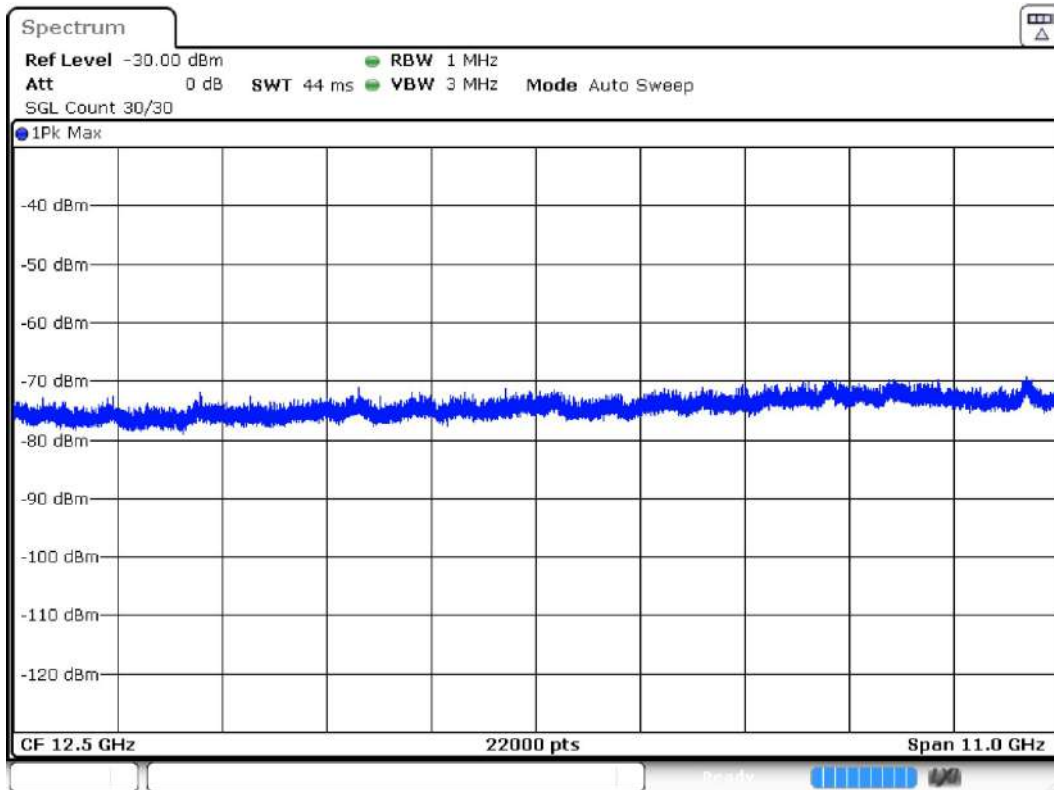
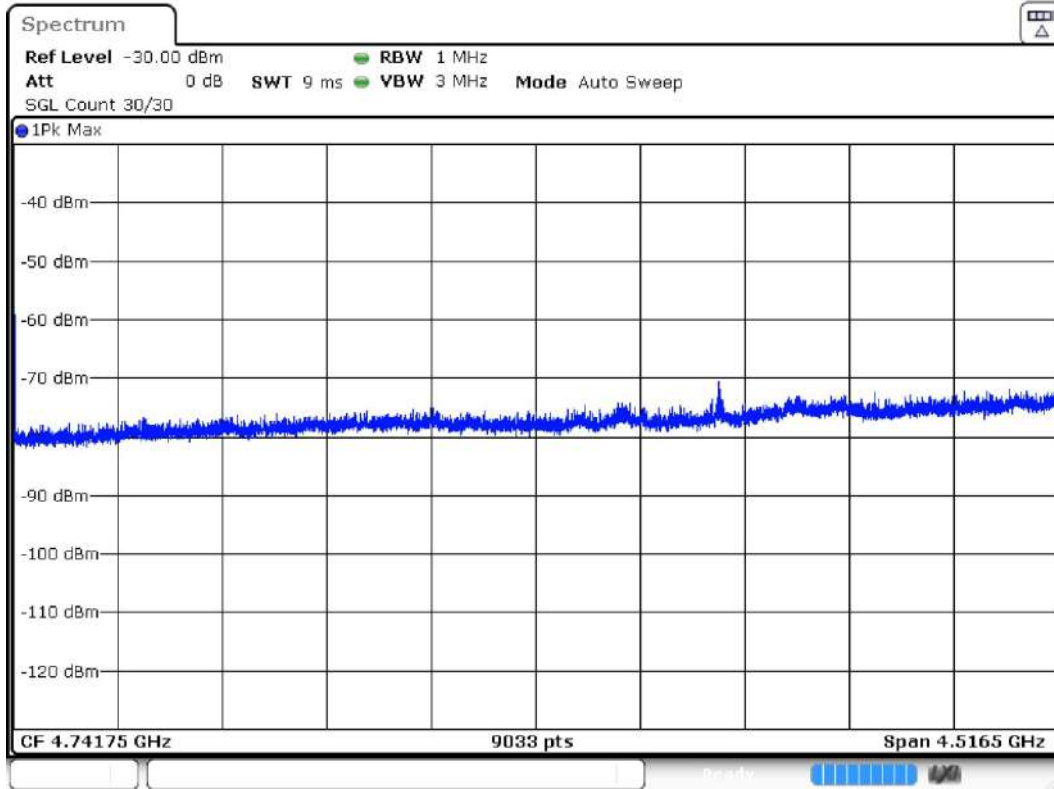
### Middle frequency 2440 MHz:

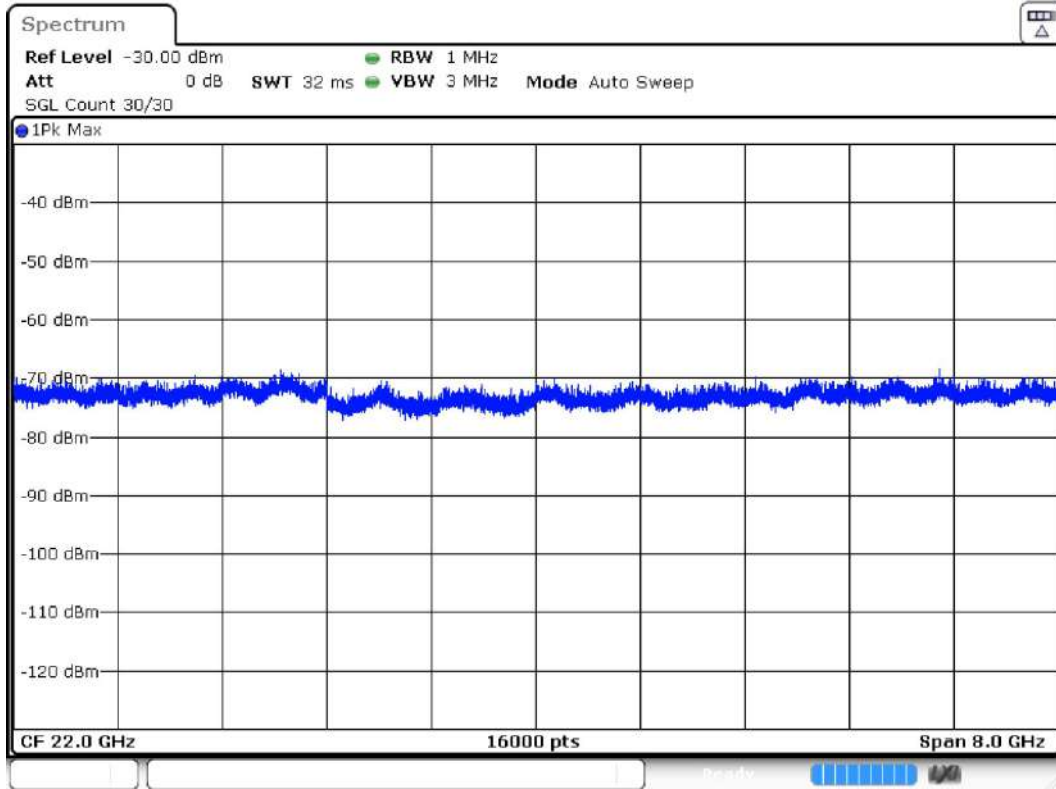


— Sum Level — TX Limit

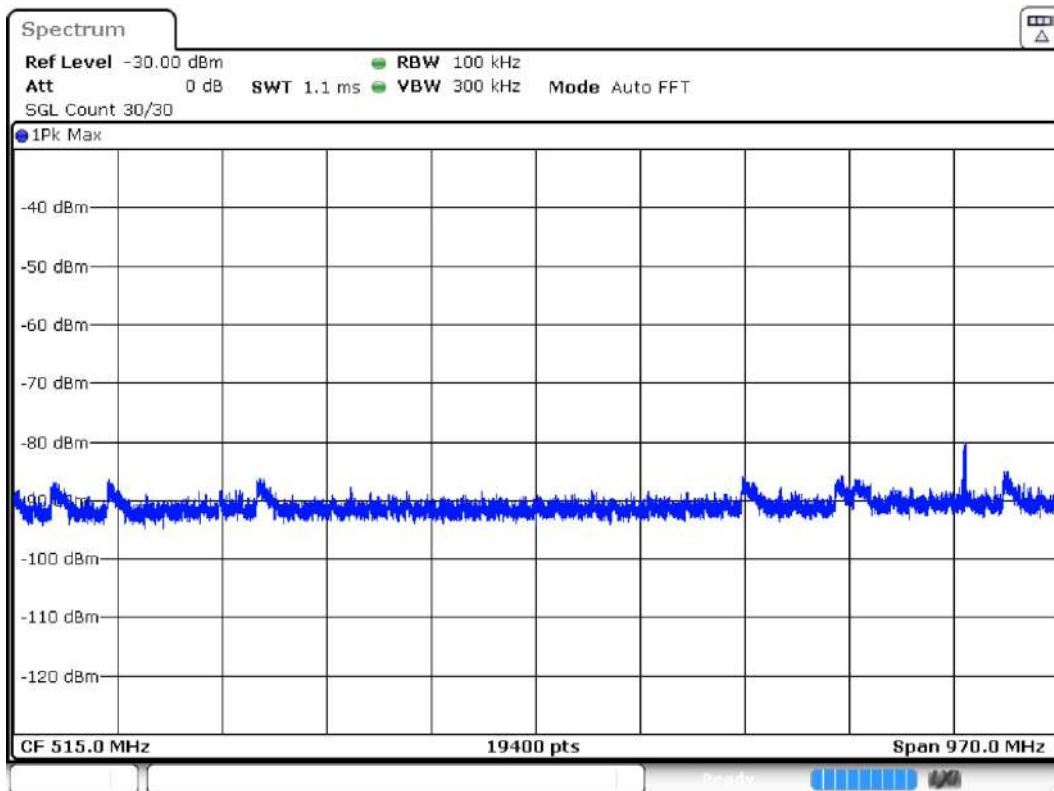
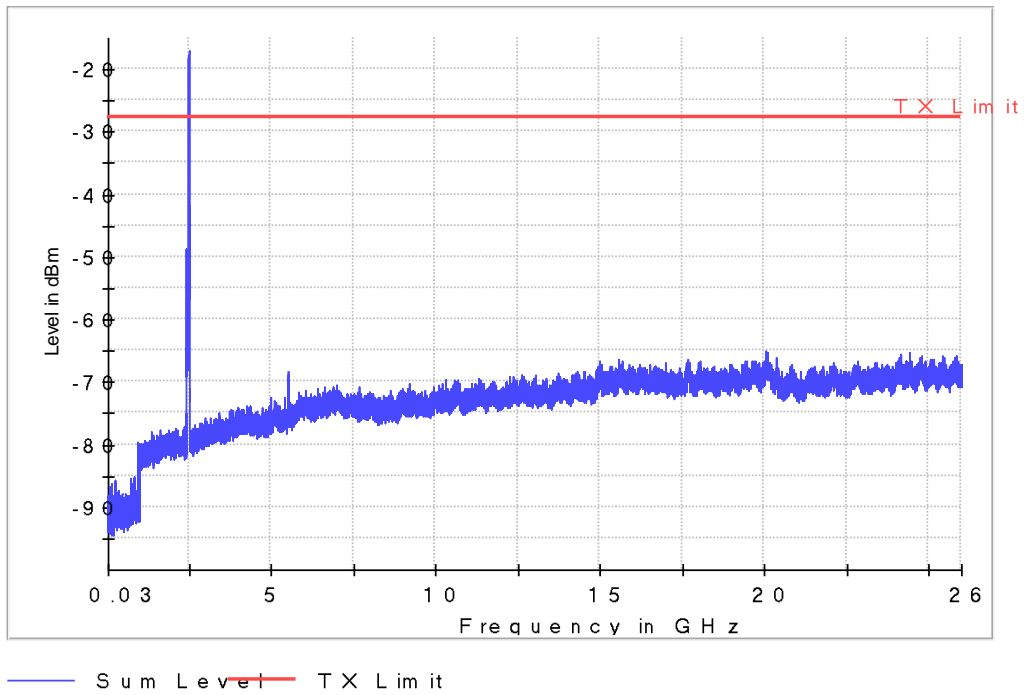


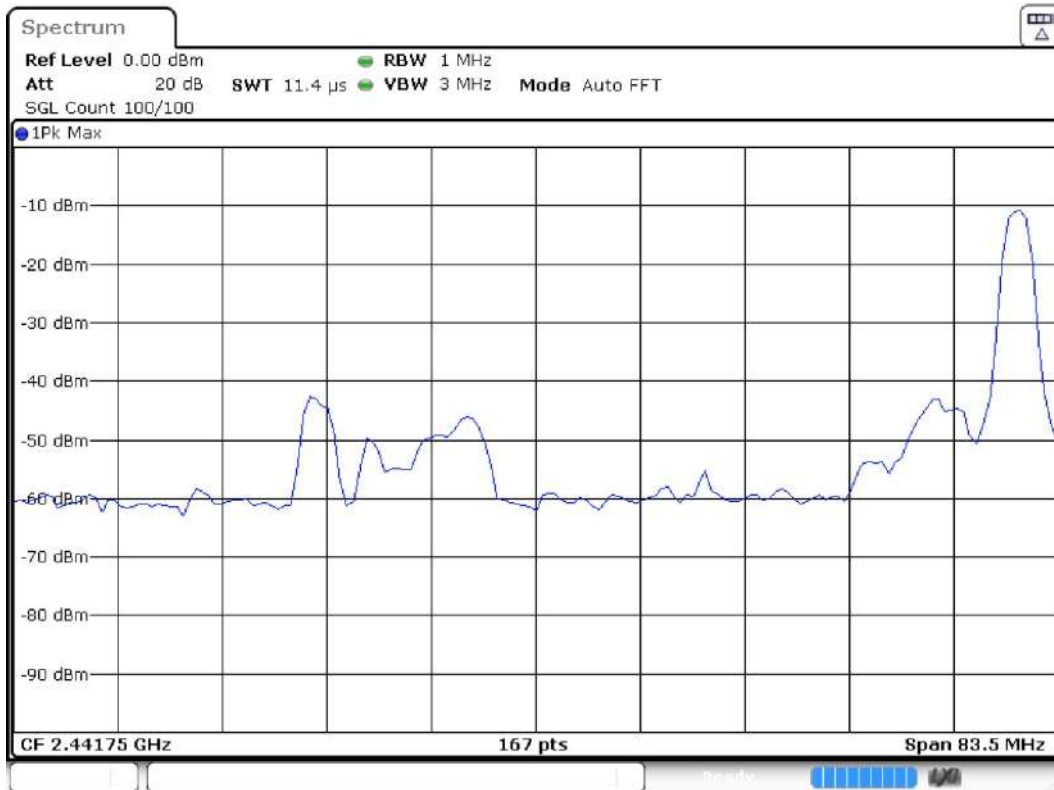
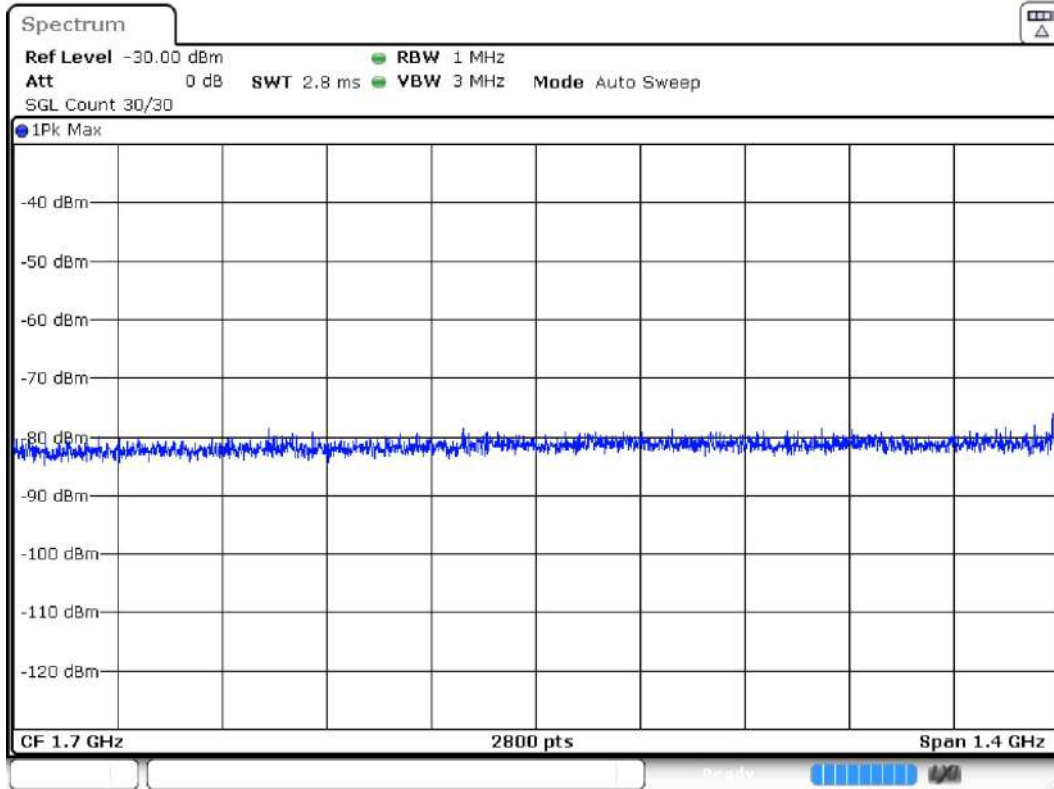




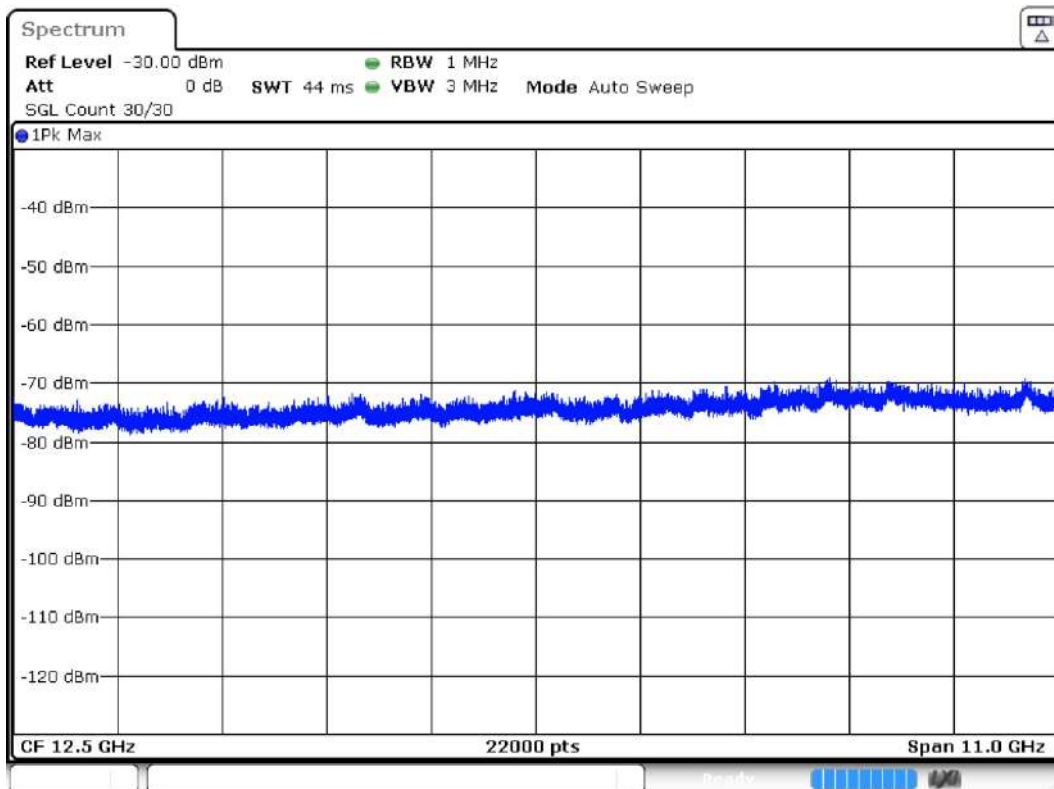
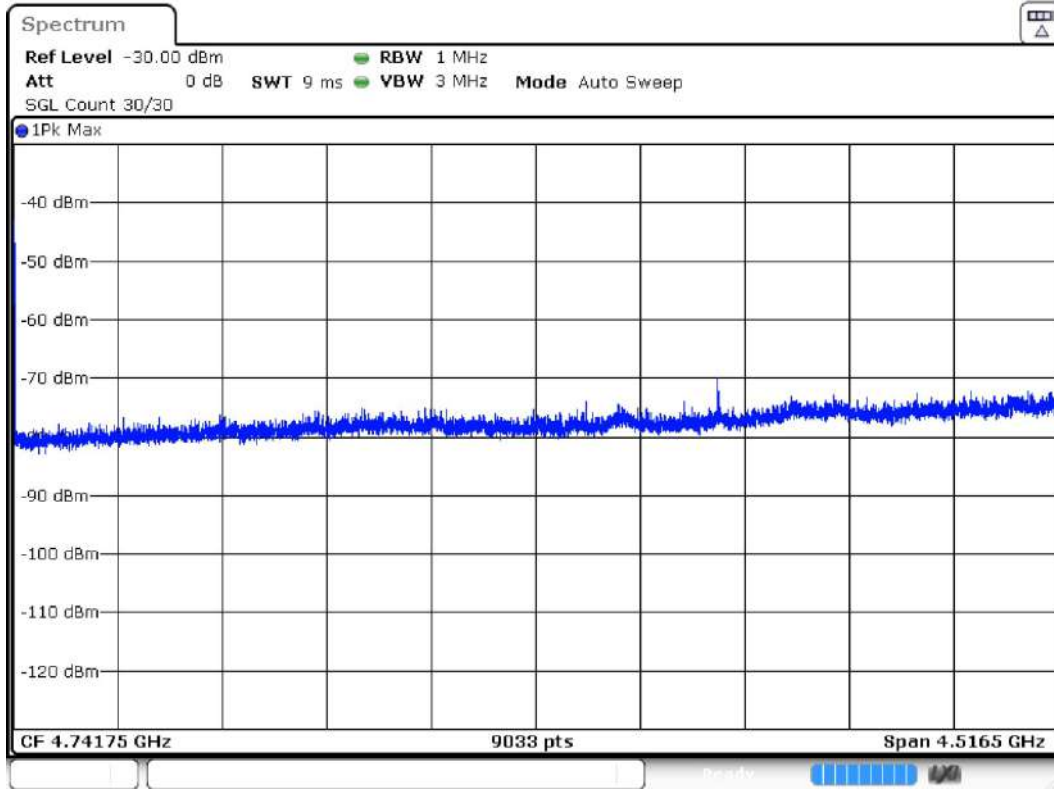


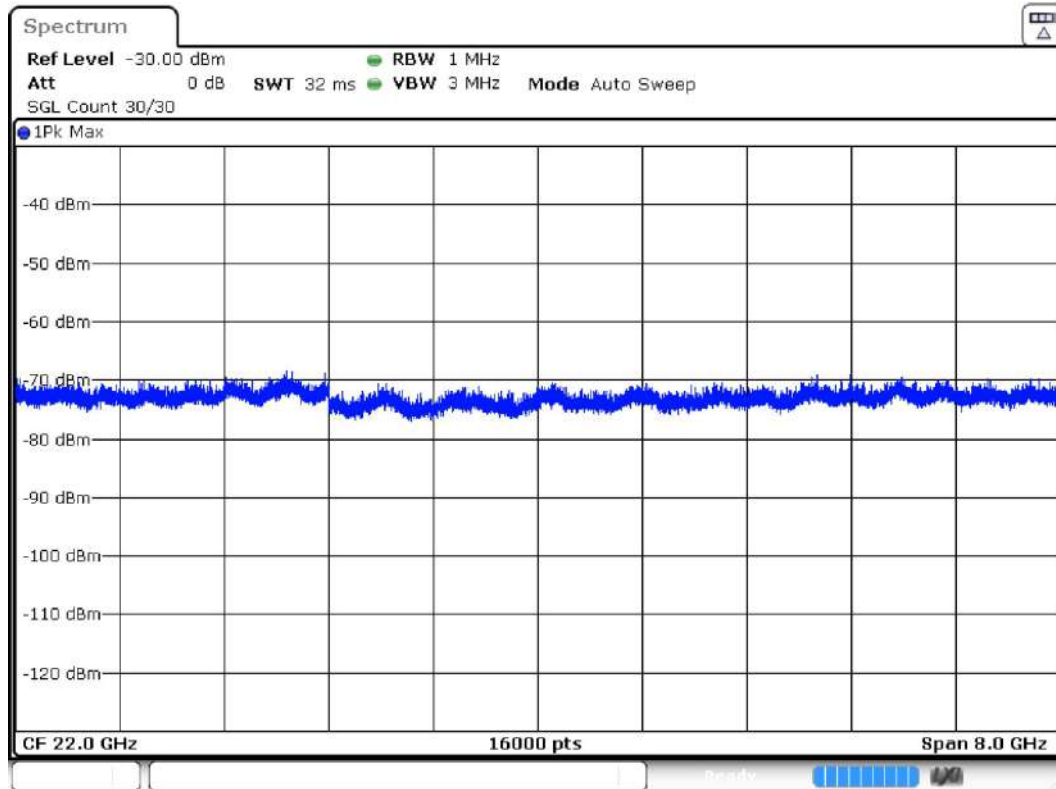
### Highest frequency 2480 MHz:











## Measurement 1

Setting	Instrument Value
Start Frequency	30.000 MHz
Stop Frequency	26.000 GHz
RBW	100.000 kHz
VBW	300.000 kHz
SweepPoints	19400
Sweeptime	1.061 ms
Reference Level	-30.000 dBm
Attenuation	0.000 dB
Detector	MaxPeak
SweepCount	30
Filter	3 dB
Trace Mode	Max Hold
Sweeptype	FFT
Preamp	off
Stablemode	Trace
Stablevalue	0.50 dB
Run	4 / max. 150
Stable	3 / 3
Max Stable Difference	0.00 dB

## Measurement 2

Setting	Instrument Value
Start Frequency	30.000 GHz
Stop Frequency	26.000 GHz
RBW	1.000 MHz
VBW	3.000 MHz
SweepPoints	2800
Sweeptime	2.800 ms
Reference Level	-30.000 dBm
Attenuation	0.000 dB
Detector	MaxPeak
SweepCount	30
Filter	3 dB
Trace Mode	Max Hold
Sweeptype	Sweep
Preamp	off
Stablemode	Trace
Stablevalue	0.50 dB
Run	5 / max. 150
Stable	3 / 3
Max Stable Difference	0.00 dB

### Section 15.247 Subclause (d) / RSS-247 5.5. Band-edge emissions compliance (Transmitter)

#### SPECIFICATION

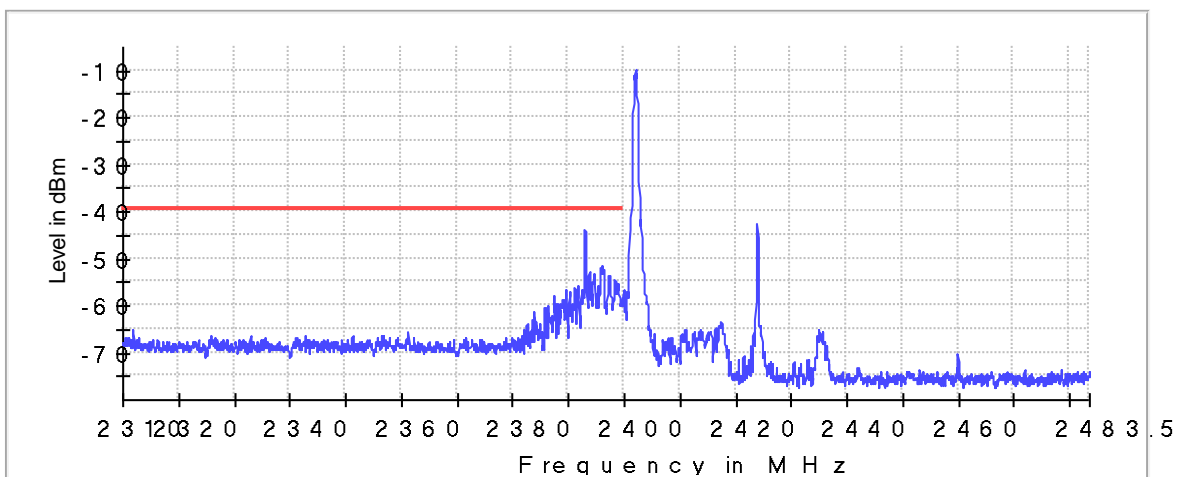
In any 100 kHz bandwidth outside the frequency band in which the digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required shall be 30 dB instead of 20 dB.

#### RESULTS:

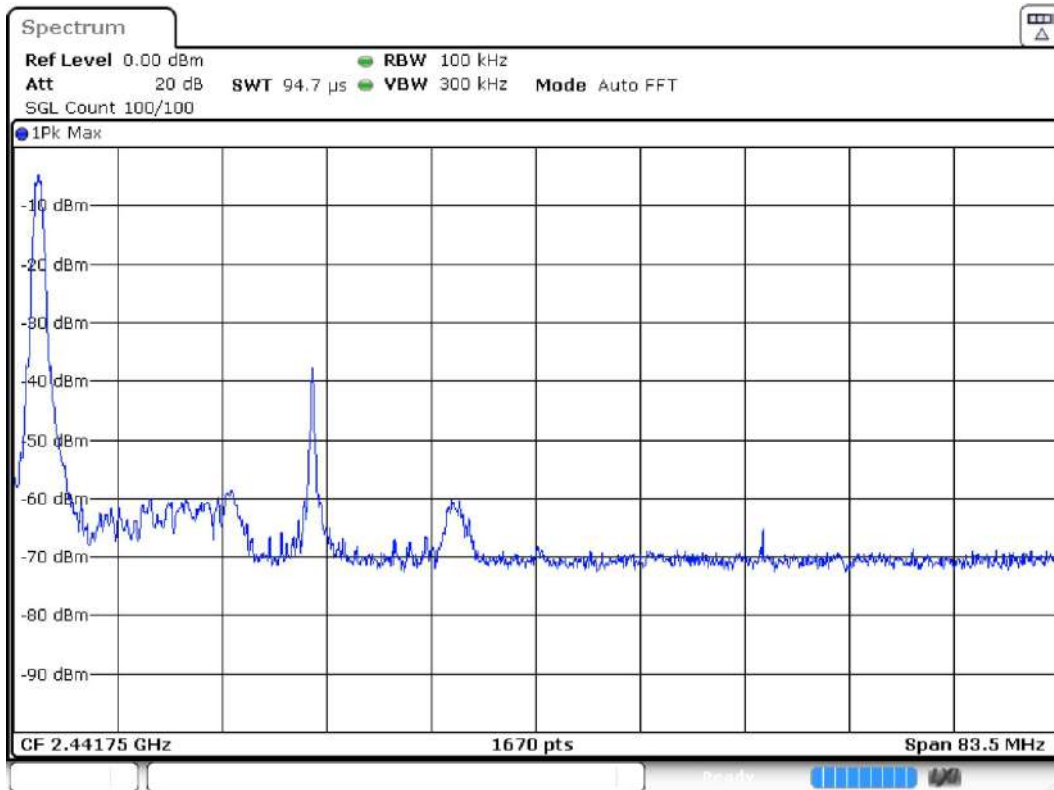
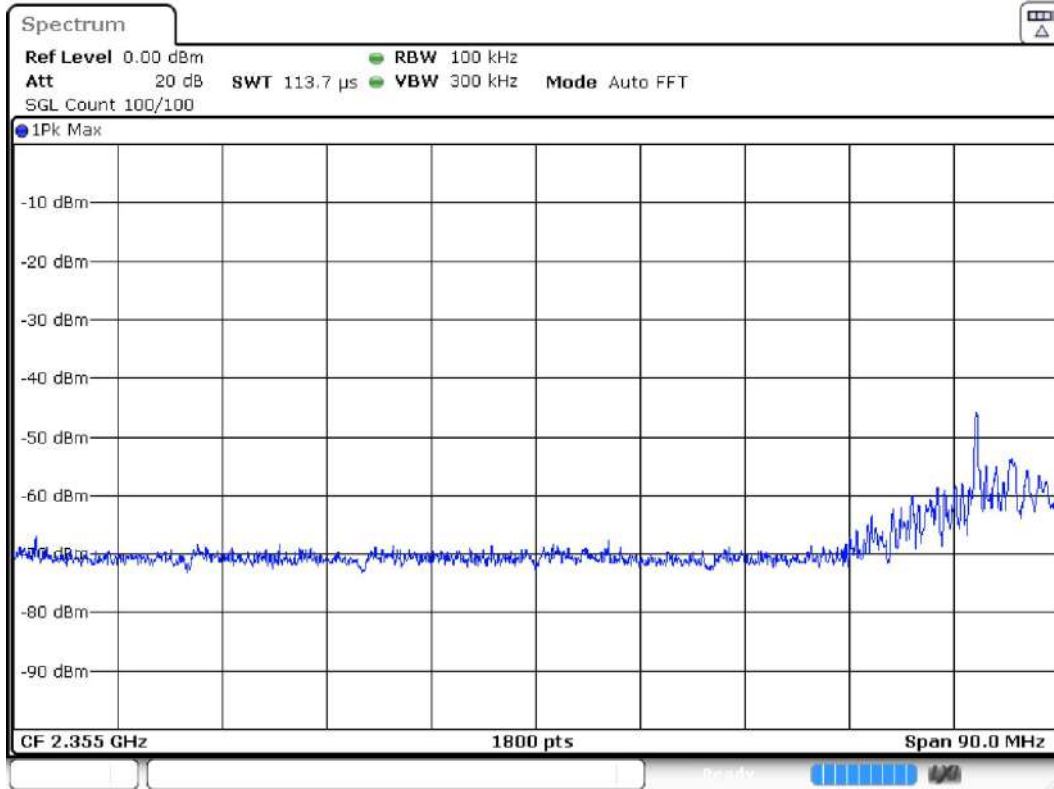
Note: Radiated measurements were used to show compliance with the limits in the restricted bands 2.31-2.39 GHz and 2.4835-2.5 GHz.

#### 1. LOW FREQUENCY SECTION. CONDUCTED.

See next plot.



— Limit — Sum Level **X** Fail

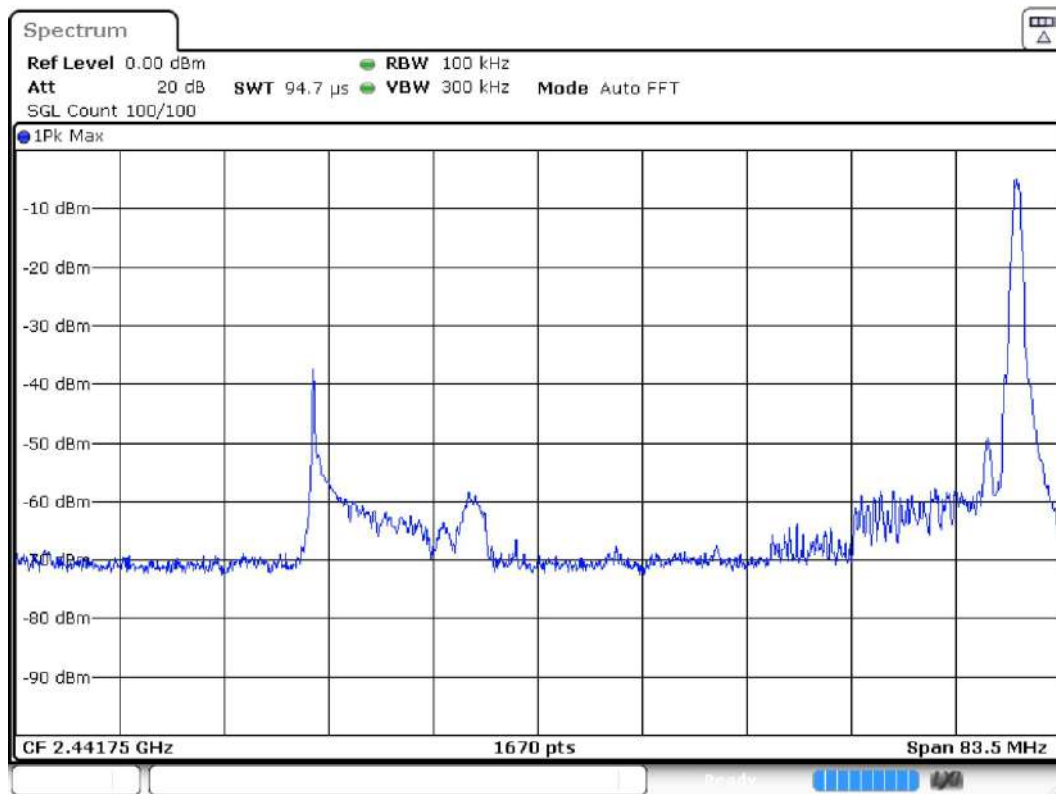
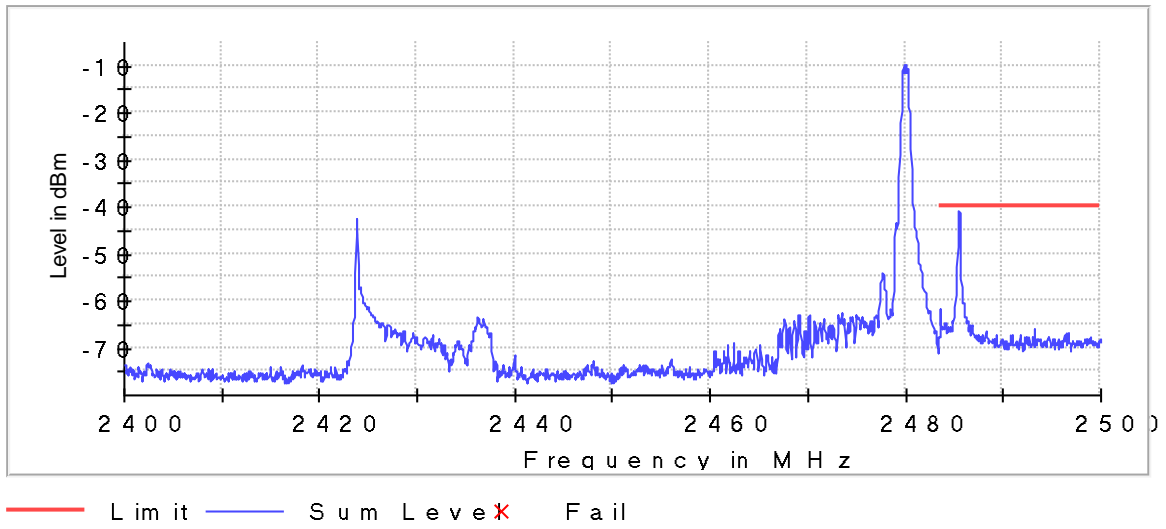


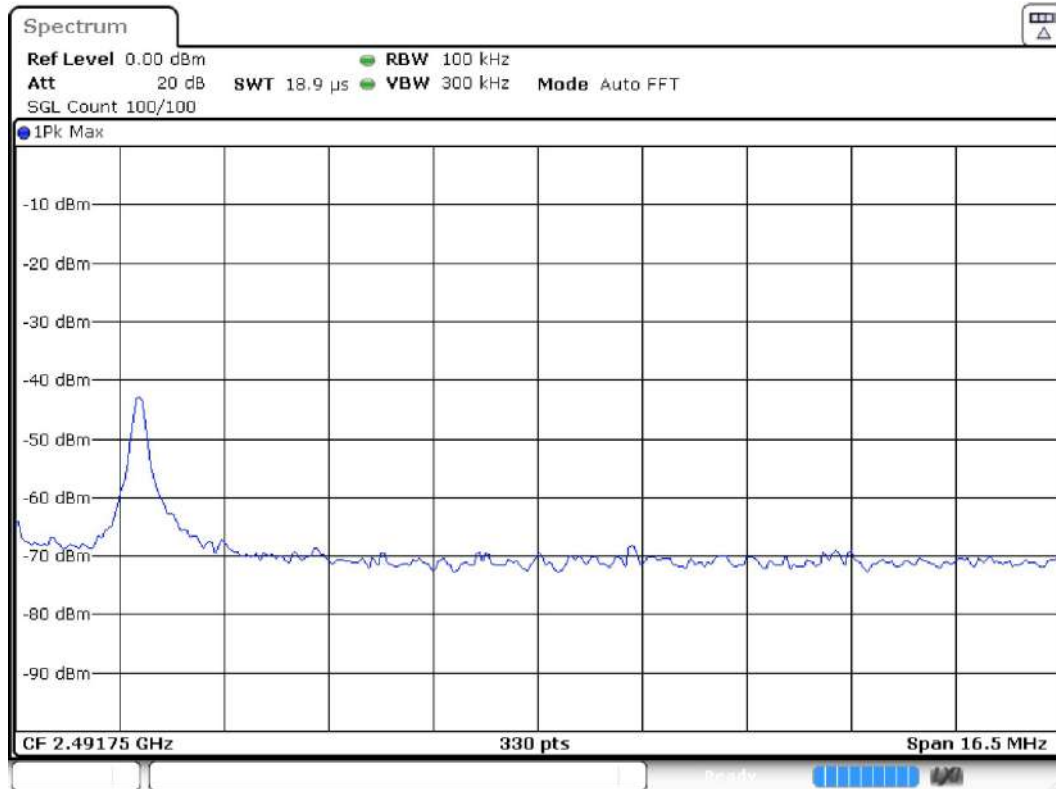
## Measurement

Setting	Instrument Value	Instrument Value
Start Frequency	2.31000 GHz	2.40000 GHz
Stop Frequency	2.40000 GHz	2.48350 GHz
Span	90.000 MHz	83.500 MHz
RBW	100.000 kHz	100.000 kHz
VBW	300.000 kHz	300.000 kHz
SweepPoints	1800	1670
SweepTime	113.672 µs	94.727 µs
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	3 dB	3 dB
Run	8 / max. 150	6 / max. 150
Stable	3 / 3	3 / 3
Max Stable Difference	0.00 dB	0.31 dB

## 2. HIGH FREQUENCY SECTION. CONDUCTED.

See next plot.





## Measurement

Setting	Instrument Value	Instrument Value
Start Frequency	2.40000 GHz	2.48350 GHz
Stop Frequency	2.48350 GHz	2.50000 GHz
Span	83.500 MHz	16.500 MHz
RBW	100.000 kHz	100.000 kHz
VBW	300.000 kHz	300.000 kHz
SweepPoints	1670	330
SweepTime	94.727 $\mu$ s	18.945 $\mu$ s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	FFT
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	7 / max. 150	4 / max. 150
Stable	3 / 3	3 / 3
Max Stable Difference	0.25 dB	0.00 dB

Measurement uncertainty (dB)	< $\pm 2.03$
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Verdict: PASS



## Section 15.247 Subclause (e) / RSS-247 5.2. (b) Power spectral density

### SPECIFICATION

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.

### RESULTS

The maximum power spectral density level in the fundamental emission was measured using the method PKPSD (Peak PSD) according to point 10.2. of Guidance for Performing Compliance Measurements on Digital Transmission Systems (DTS) Operating Under §15.247 558074 D01 DTS Meas Guidance v04 dated 05/04/2017.

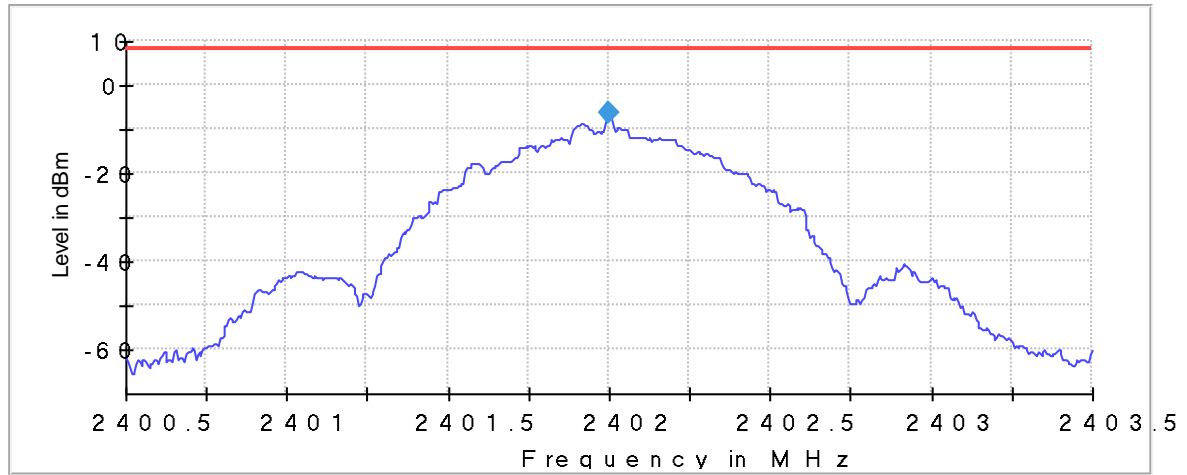
Power spectral density (see next plots).

	Lowest frequency 2402 MHz	Middle frequency 2440 MHz	Highest frequency 2480 MHz
Power spectral density (dBm)	-6.476	-3.956	-7.648
Measurement uncertainty (dB)	<±0.78		

Verdict: PASS

### POWER SPECTRAL DENSITY

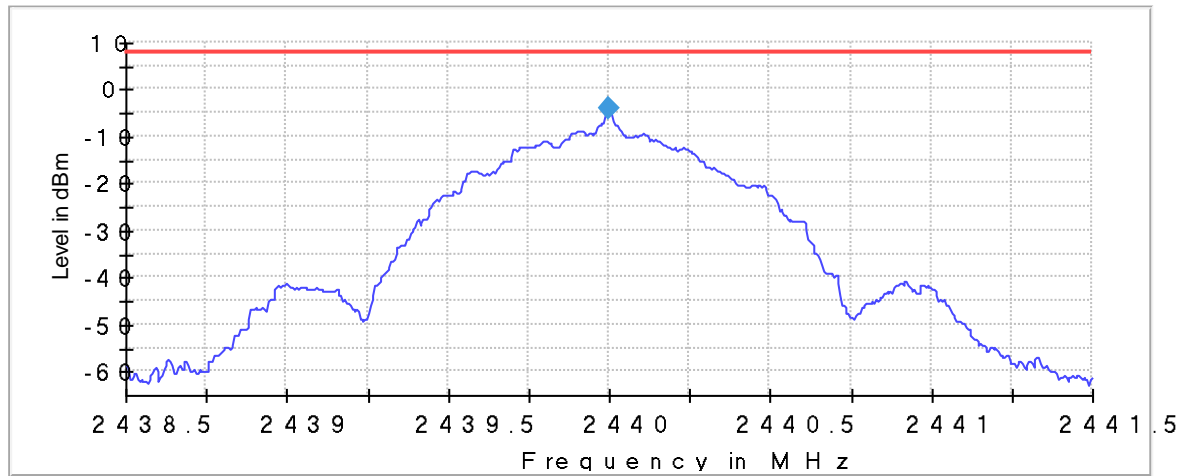
Lowest Channel



— Limit — Sum Level ◆ PSD



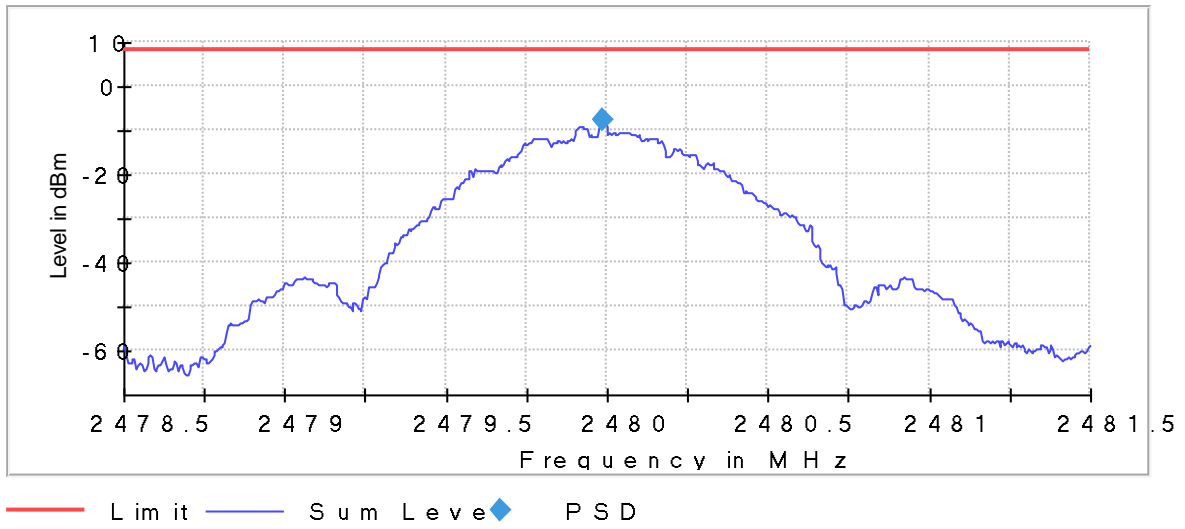
Middle Channel



— Limit — Sum Level ◆ PSD



Highest Channel



## Measurement

Setting	Instrument Value	Instrument Value	Instrument Value
Start Frequency	2.40050 GHz	2.43850 GHz	2.47850 GHz
Stop Frequency	2.40350 GHz	2.44150 GHz	2.48150 GHz
Span	3.000 MHz	3.000 MHz	3.000 MHz
RBW	100.000 kHz	100.000 kHz	100.000 kHz
VBW	300.000 kHz	300.000 kHz	300.000 kHz
SweepPoints	600	600	600
Sweeptime	3.000 ms	3.000 ms	3.000 ms
Reference Level	0.000 dBm	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	20.000 dB	20.000 dB
Detector	MaxPeak	MaxPeak	MaxPeak
SweepCount	100	100	100
Filter	3 dB	3 dB	3 dB
Trace Mode	Max Hold	Max Hold	Max Hold
Sweeptype	Sweep	Sweep	Sweep
Preamp	off	off	off
Stablemode	Trace	Trace	Trace
Stablevalue	0.50 dB	0.50 dB	0.50 dB
Run	17 / max. 150	20 / max. 150	12 / max. 150
Stable	2 / 2	2 / 2	2 / 2
Max Stable Difference	0.39 dB	0.25 dB	0.23 dB

**Section 15.247 Subclause (d) / RSS-247 5.5. Emission limitations radiated (Transmitter)**

SPECIFICATION

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) / RSS-Gen):

Frequency Range (MHz)	Field strength ( $\mu\text{V/m}$ )	Field strength ( $\text{dB}\mu\text{V/m}$ )	Measurement distance (m)
0.009-0.490	2400/F(kHz)	-	300
0.490-1.705	24000/F(kHz)	-	30
1.705 - 30.0	30	-	30
30 - 88	100	40	3
88 - 216	150	43.5	3
216 - 960	200	46	3
960 - 25000	500	54	3

The emission limits shown in the above table are based on measurements employing CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

For average radiated emission measurements above 1000 MHz, there is also a limit corresponding to 20 dB above the indicated values in the table is specified when measuring with peak detector function.

RSS-247. Attenuation below the general field strength limits specified in RSS-Gen is not required.

RESULTS:

The situation and orientation was varied to find the maximum radiated emission. It was also rotated 360° and the antenna height was varied from 1 to 4 meters to find the maximum radiated emission.

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

All tests were performed in a semi-anechoic chamber at a distance of 3 m for the frequency range 30 MHz-1000 MHz and at distance of 1m for the frequency range 1 GHz-25 GHz.

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

**Frequency range 30 MHz-1000 MHz.**

The spurious signals detected do not depend on the operating channel.

No radiated spurious signals were detected at less than 20 dB respect to the limit for the lowest, middle and highest operating channels.

**Frequency range 1 GHz-25 GHz**

The spurious signals detected do not depend on the operating channel.

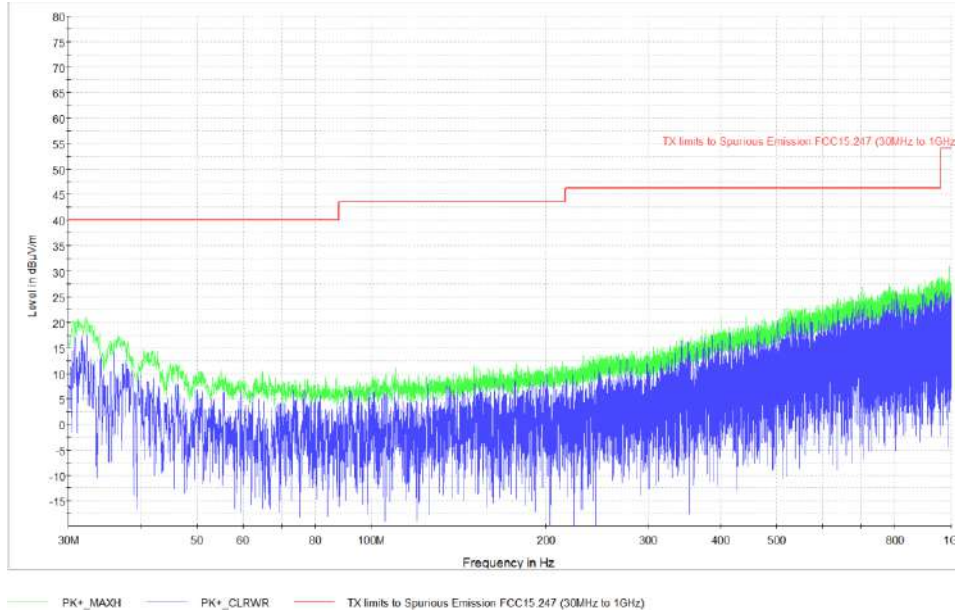
The radiated spurious signals detected at less than 20 dB respect to the limit for the lowest, middle and highest operating channels are showed in the tables of each frequency range.

Verdict: PASS

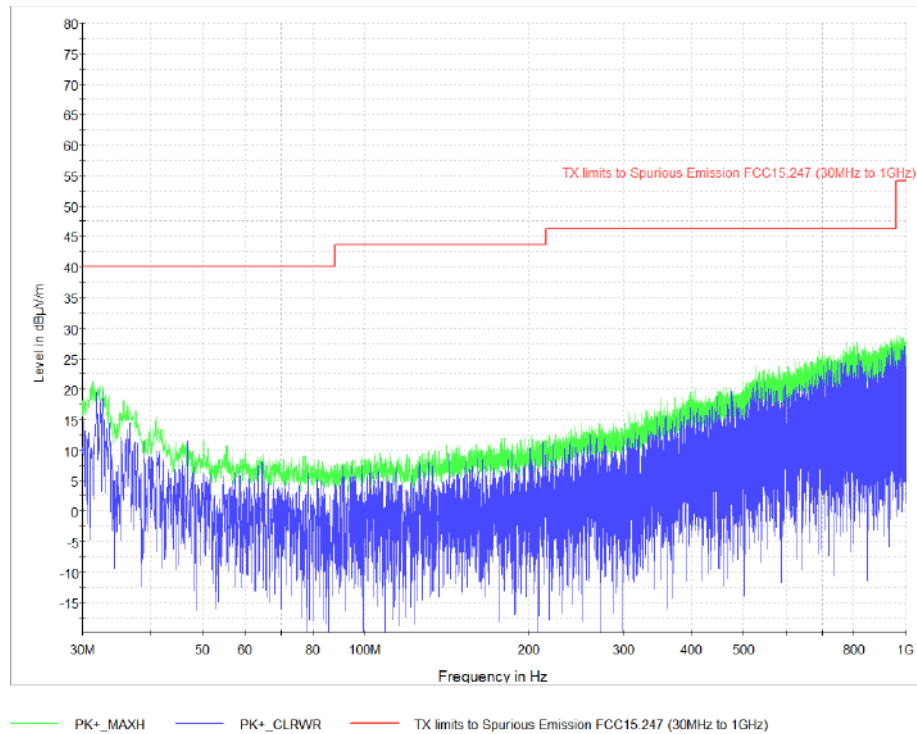
FREQUENCY RANGE 30 MHz-1000 MHz.

CHANNEL: Lowest (2402 MHz):

30MHz\_1GHz\_HP\_CH Low

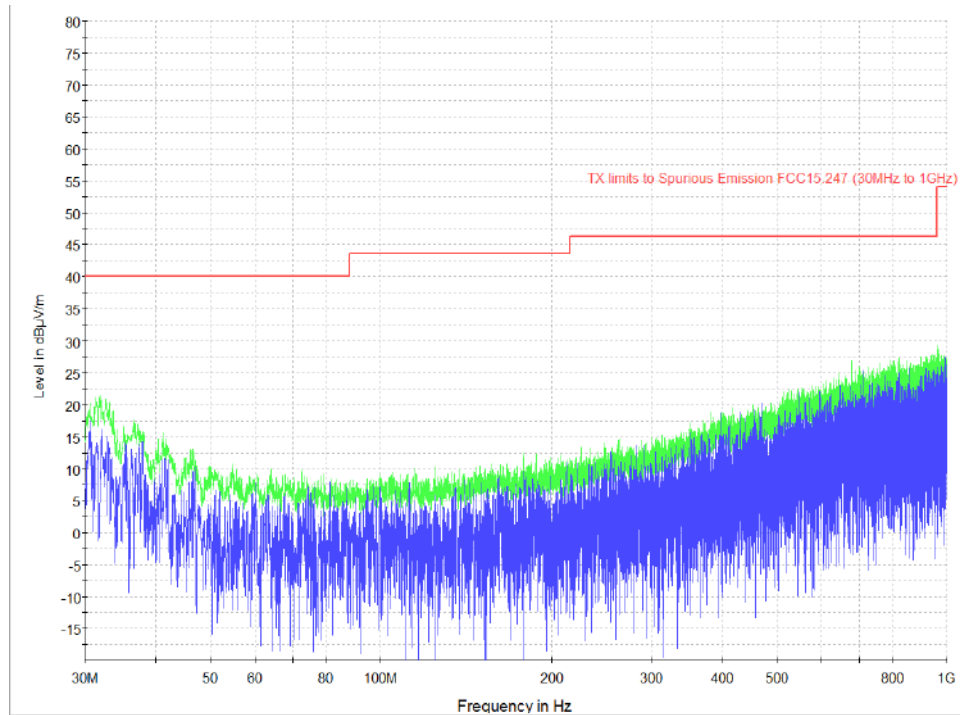


30MHz\_1GHz\_VP\_CH Low



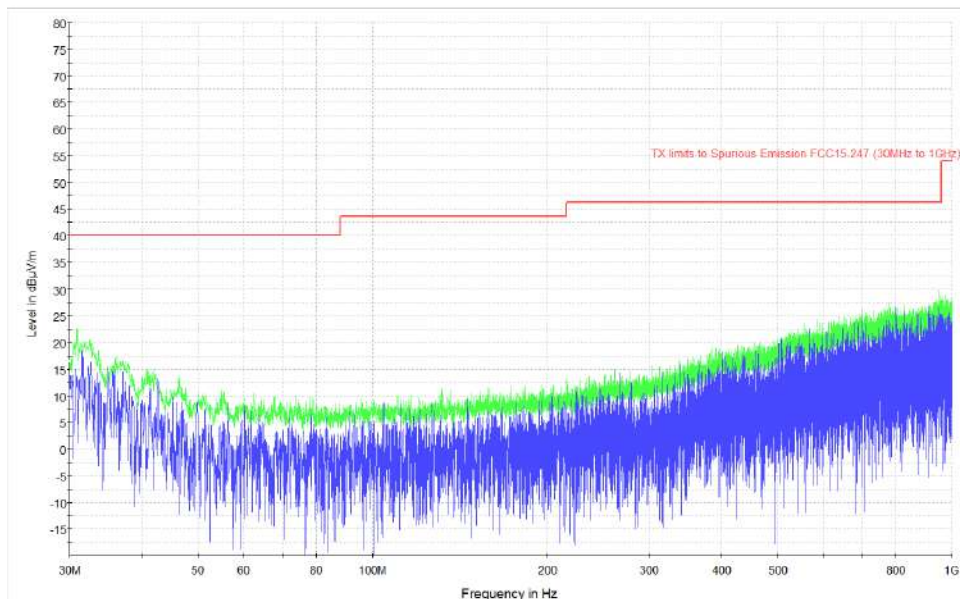
**CHANNEL: Middle (2440 MHz):**

30MHz\_1GHz\_HP\_CH Mid



— PK+\_MAXH — PK+\_CLRWR — TX limits to Spurious Emission FCC15.247 (30MHz to 1GHz)

30MHz\_1GHz\_VP\_CH Mid

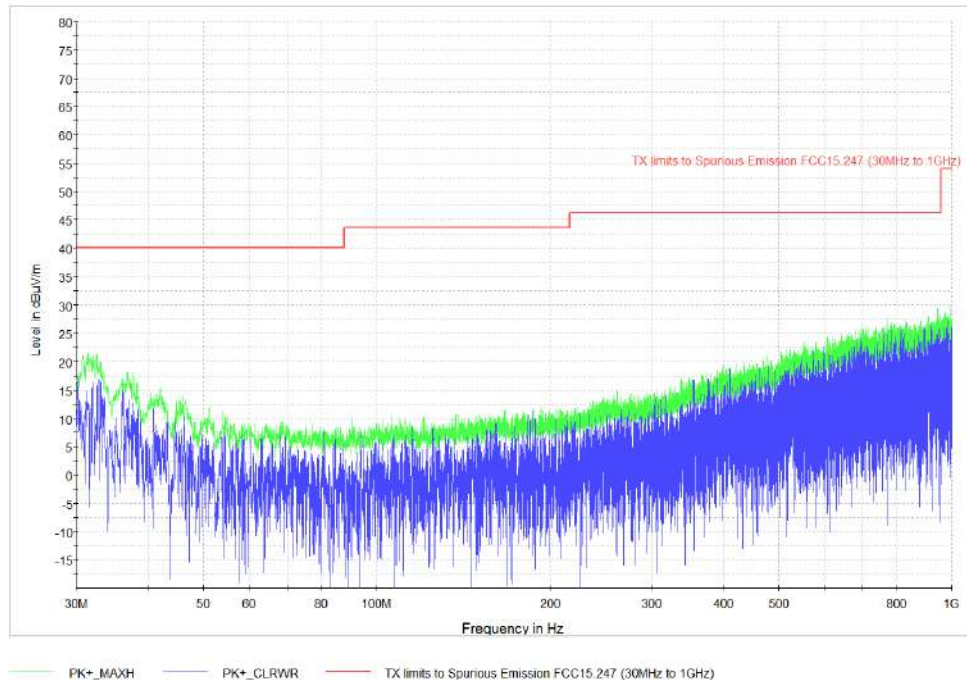


— PK+\_MAXH — PK+\_CLRWR — TX limits to Spurious Emission FCC15.247 (30MHz to 1GHz)

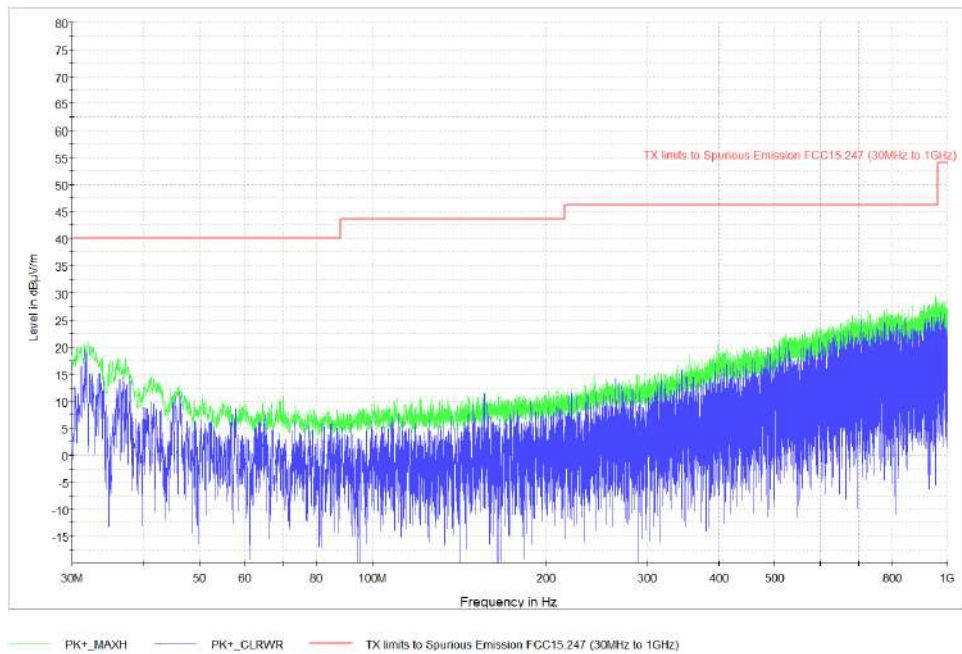


**CHANNEL: Highest (2480 MHz):**

30MHz\_1GHz\_HP\_CH High



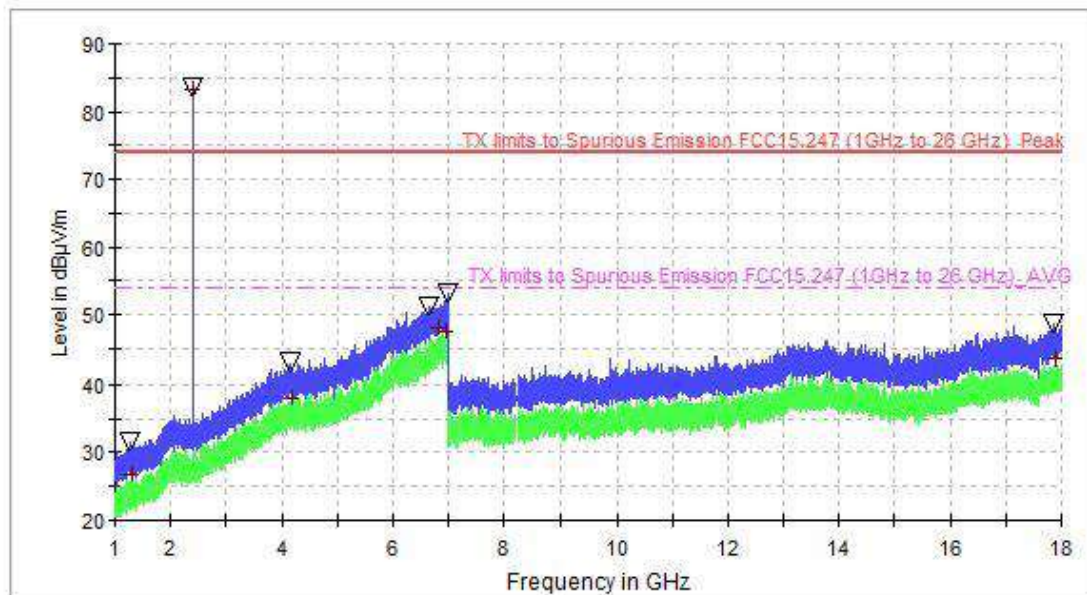
30MHz\_1GHz\_VP\_CH High



**FREQUENCY RANGE 1 GHz to 18 GHz.**

**CHANNEL: Lowest (2402 MHz)**

**1GHz\_18GHz\_HP\_CH Low**



- AVG\_MAXH
- PK+\_MAXH
- TX limits to Spurious Emission FCC15.247 (1GHz to 26 GHz)\_Peak
- TX limits to Spurious Emission FCC15.247 (1GHz to 26 GHz)\_AVG
- ▽ PK\_MAXH\_maximizations
- + AVG\_MAXH\_maximizations

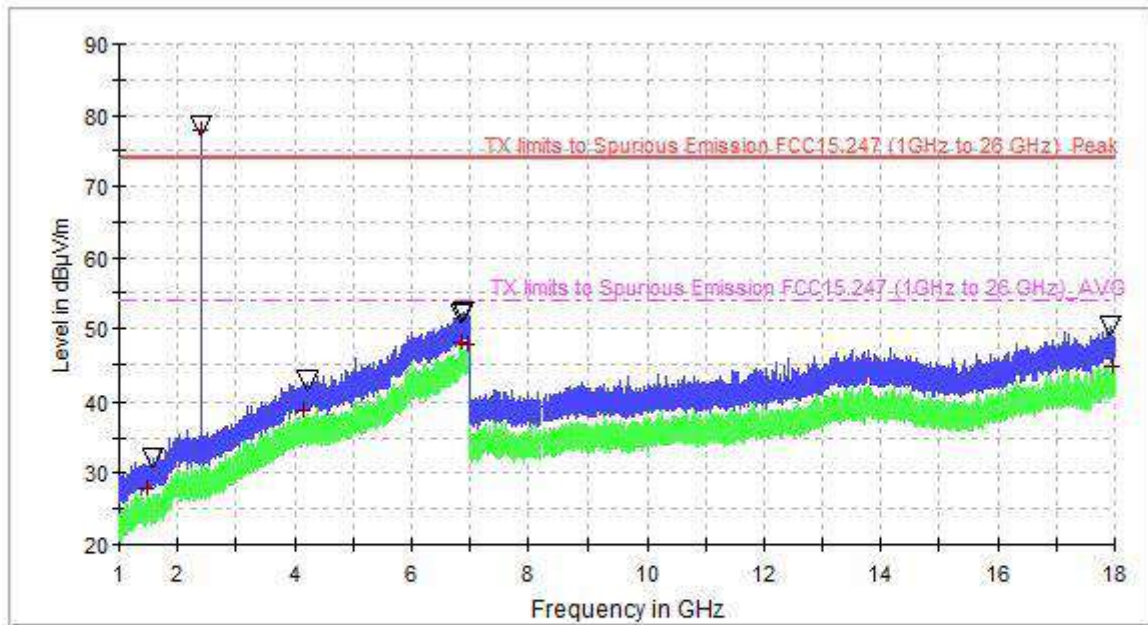
**Subrange Maxima\_PK\_MAXH**

Frequency (MHz)	PK+_MAX H	AVG_MAXH (dBµV/m)	Pol	Azimuth (deg)
1290.133333	31.7	24.5	H	62.0
4140.466667	43.1	36.5	H	79.0
6661.000000	51.2	43.8	H	-168.0
6998.733333	53.1	46.9	H	-168.0
17867.966667	48.6	42.7	H	138.0

**Subrange Maxima\_AVG\_MAXH**

Frequency (MHz)	PK+_MAX H	AVG_MAXH (dBµV/m)	Pol	Azimuth (deg)
1293.533333	30.6	26.7	H	154.0
4175.033333	41.5	38.1	H	-34.0
6825.900000	50.9	48.1	H	-43.0
6952.833333	50.0	47.5	H	29.0
17913.866667	46.4	43.6	H	-135.0

1GHz\_18GHz\_VP\_CH Low



- AVG\_MAXH
- PK+\_MAXH
- TX limits to Spurious Emission FCC15.247 (1GHz to 26 GHz)\_Peak
- TX limits to Spurious Emission FCC15.247 (1GHz to 26 GHz)\_AVG
- ▽ PK\_MAXH\_maximizations
- + AVG\_MAXH\_maximizations

**Subrange Maxima PK\_MAXH**

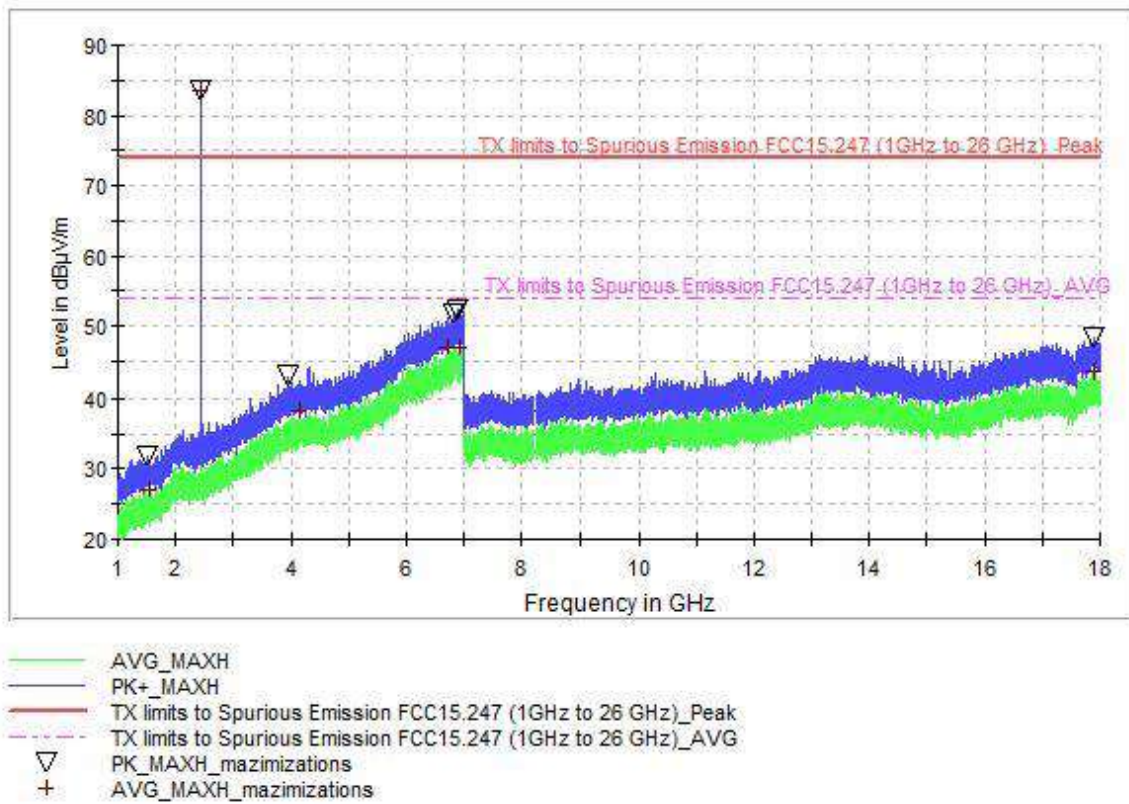
Frequency (MHz)	PK+_MAX H	AVG_MAXH (dBµV/m)	Pol	Azimuth (deg)
1575.733333	32.1	26.2	V	151.0
4205.633333	42.7	36.6	V	180.0
6857.633333	52.0	47.5	V	-179.0
6896.166667	52.4	45.8	V	180.0
17942.766667	50.3	44.0	V	180.0

**Subrange Maxima AVG\_MAXH**

Frequency (MHz)	PK+_MAX H	AVG_MAXH (dBµV/m)	Pol	Azimuth (deg)
1485.066667	29.6	28.0	V	180.0
4165.400000	40.6	38.7	V	180.0
6846.300000	49.9	48.1	V	180.0
6948.300000	50.4	47.8	V	-179.0
17964.866667	48.8	44.8	V	-179.0

CHANNEL: Middle (2440 MHz).

1GHz\_18GHz\_HP\_CH Mid



**Subrange Maxima\_PK\_MAXH**

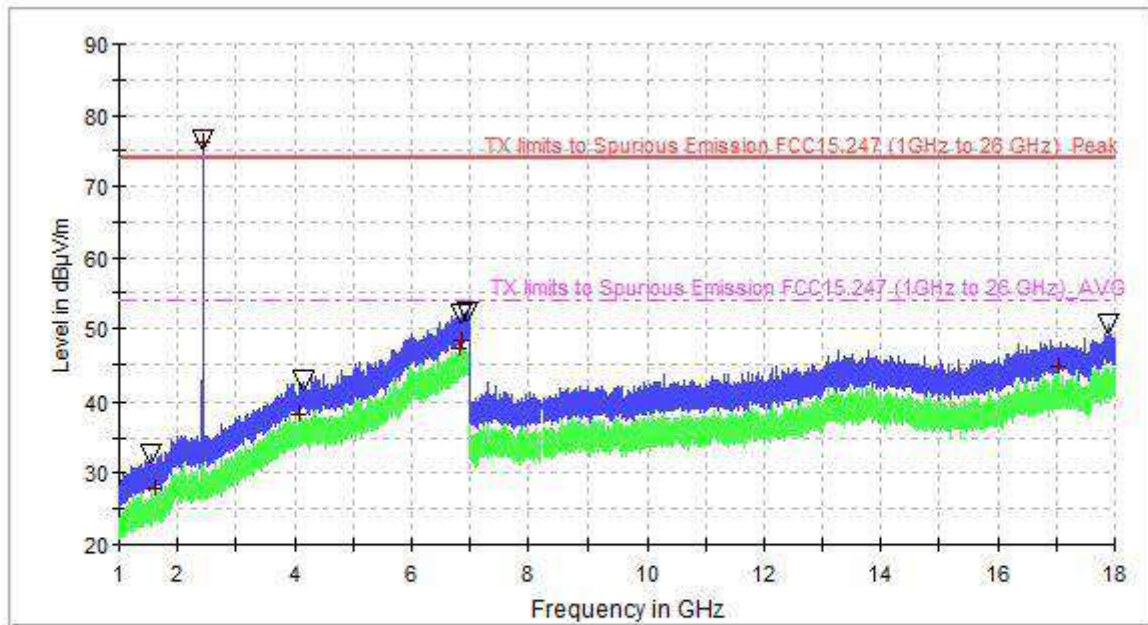
Frequency (MHz)	PK+_MAX H	AVG_MAXH (dBµV/m)	Pol	Azimuth (deg)
1528.133333	31.7	24.4	H	-150.0
3958.566667	43.0	35.5	H	4.0
6824.766667	51.8	43.8	H	13.0
6881.433333	52.3	46.2	H	-158.0
17895.166667	48.3	41.2	H	131.0

**Subrange Maxima\_AVG\_MAXH**

Frequency (MHz)	PK+_MAX H	AVG_MAXH (dBµV/m)	Pol	Azimuth (deg)
1554.200000	29.2	27.0	H	-150.0
4160.300000	41.5	38.2	H	151.0
6719.933333	51.1	47.1	H	57.0
6930.733333	52.1	47.0	H	112.0
17896.300000	47.5	43.7	H	13.0



1GHz\_18GHz\_VP\_CH Mid



- AVG\_MAXH
- PK+\_MAXH
- TX limits to Spurious Emission FCC15.247 (1GHz to 26 GHz)\_Peak
- TX limits to Spurious Emission FCC15.247 (1GHz to 26 GHz)\_AVG
- ▽ PK\_MAXH\_maximizations
- + AVG\_MAXH\_maximizations

**PK\_MAXH\_maximizations**

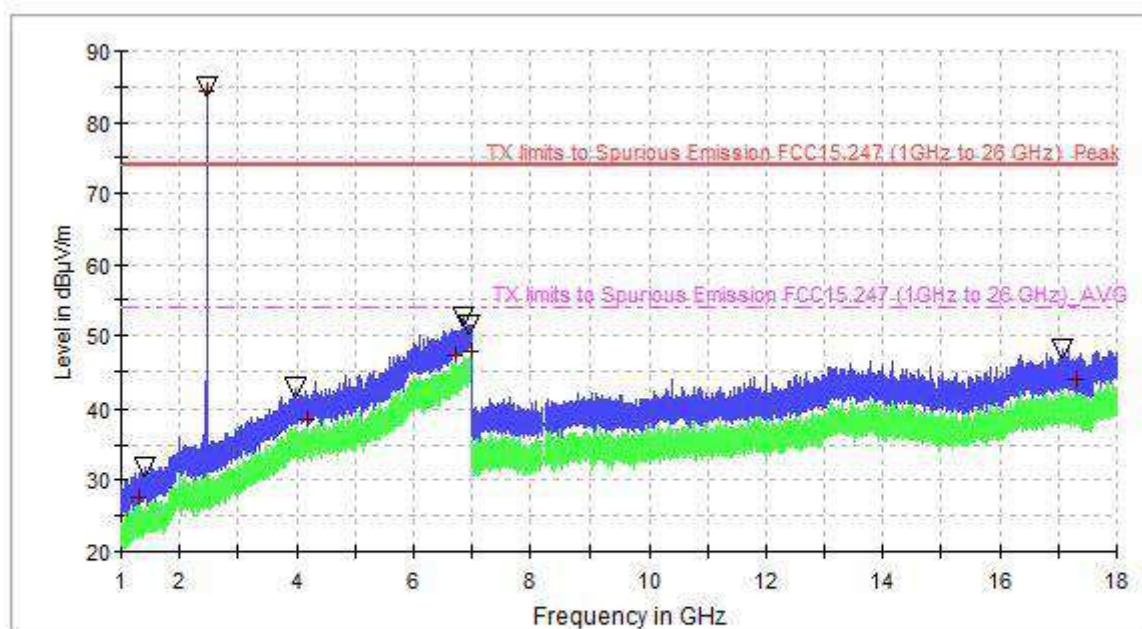
Frequency (MHz)	PK+_MAX H	AVG_MAXH (dBµV/m)	Pol	Azimuth (deg)
1541.733333	32.6	26.0	V	179.0
4137.066667	42.8	36.0	V	180.0
6866.133333	52.0	46.4	V	163.0
6957.366667	52.4	46.8	V	-100.0
17912.733333	50.7	44.3	V	60.0

**AVG\_MAXH\_maximizations**

Frequency (MHz)	PK+_MAX H	AVG_MAXH (dBµV/m)	Pol	Azimuth (deg)
1615.966667	30.8	27.8	V	-38.0
4084.933333	40.3	38.3	V	180.0
6838.366667	51.5	47.2	V	43.0
6874.633333	51.7	48.3	V	-82.0
17041.766667	47.1	44.7	V	-127.0

CHANNEL: Highest (2480 MHz).

1GHz\_18GHz\_HP\_CH High



- AVG\_MAXH
- PK+\_MAXH
- TX limits to Spurious Emission FCC15.247 (1GHz to 26 GHz)\_Peak
- - - TX limits to Spurious Emission FCC15.247 (1GHz to 26 GHz)\_AVG
- ▽ PK+\_MAXH\_maximizations
- + AVG\_MAXH\_maximizations

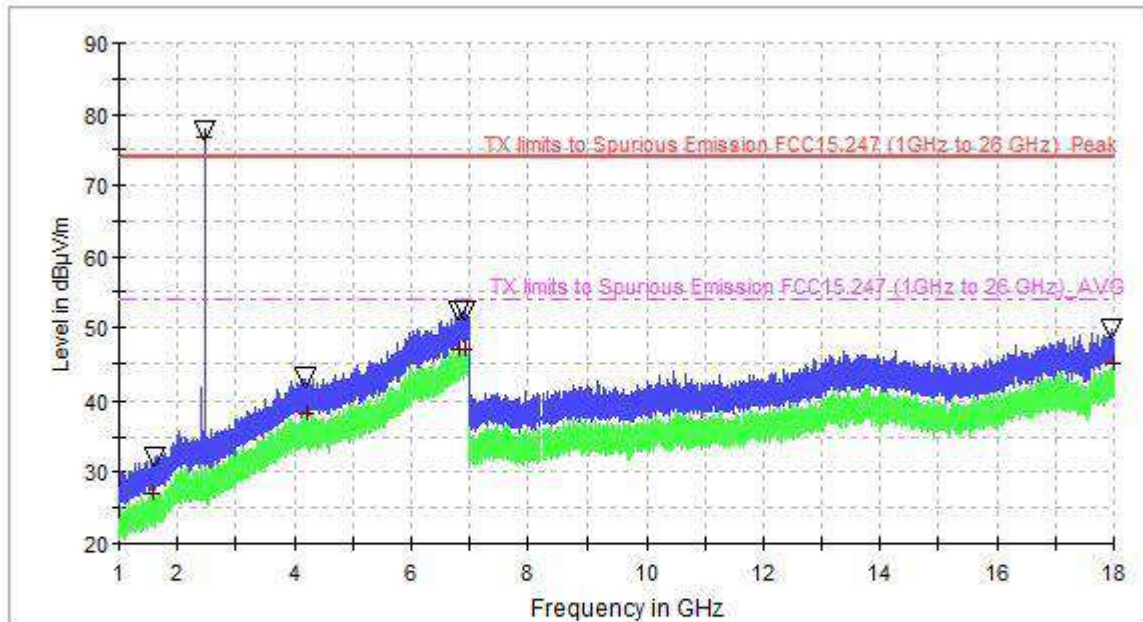
**PK+\_MAXH\_maximizations**

Frequency (MHz)	PK+_MAX H	AVG_MAXH (dBµV/m)	Pol	Azimuth (deg)
1428.400000	31.9	25.4	H	-163.0
3981.800000	42.7	37.1	H	180.0
6857.633333	52.5	44.7	H	176.0
6963.033333	51.5	44.6	H	-126.0
17078.033333	48.1	42.1	H	-46.0

**AVG\_MAXH\_maximizations**

Frequency (MHz)	PK+_MAX H	AVG_MAXH (dBµV/m)	Pol	Azimuth (deg)
1303.166667	30.9	27.7	H	-145.0
4195.433333	40.2	38.4	H	8.0
6718.800000	50.8	47.4	H	-154.0
6981.733333	50.7	47.8	H	-138.0
17324.533333	46.7	43.9	H	25.0

### 1GHz\_18GHz\_VP\_CH High



- AVG\_MAXH
- PK+\_MAXH
- TX limits to Spurious Emission FCC15.247 (1GHz to 26 GHz)\_Peak
- - - TX limits to Spurious Emission FCC15.247 (1GHz to 26 GHz)\_AVG
- + AVG\_MAXH\_maximizations
- ∇ PK+\_MAXH\_maximizations

### PK\_MAXH\_maximizations

Frequency (MHz)	PK+_MAX H	AVG_MAXH (dBµV/m)	Pol	Azimuth (deg)
1607.466667	32.2	25.9	V	-179.0
4176.733333	43.1	36.2	V	-92.0
6840.066667	52.2	45.8	V	-179.0
6943.200000	52.4	47.0	V	118.0
17956.366667	49.9	40.9	V	-179.0

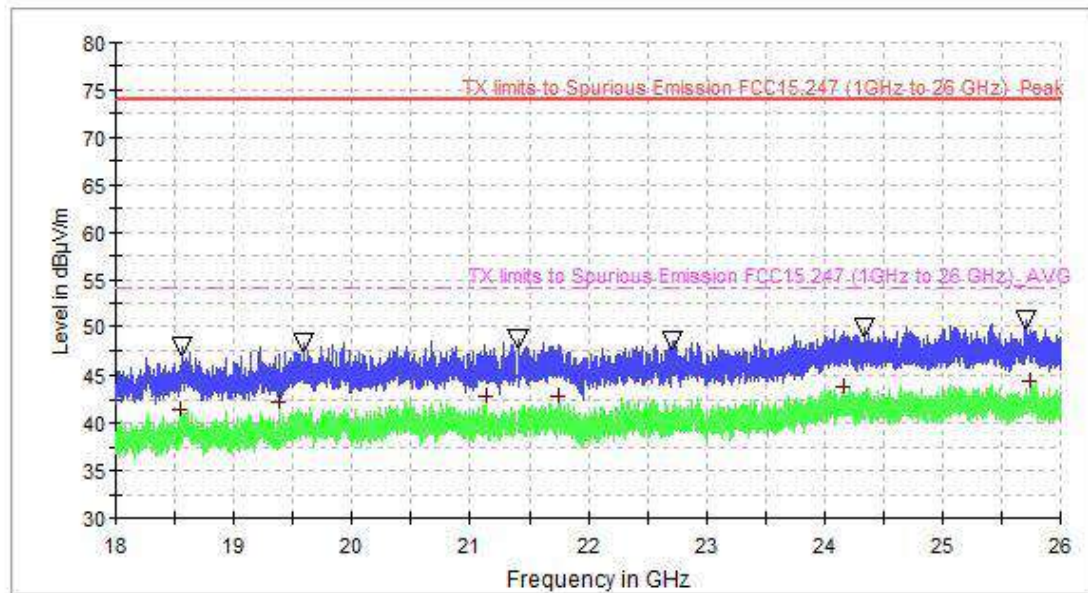
### AVG\_MAXH\_maximizations

Frequency (MHz)	PK+_MAX H	AVG_MAXH (dBµV/m)	Pol	Azimuth (deg)
1596.133333	30.3	27.1	V	-124.0
4222.633333	40.8	38.1	V	-33.0
6828.733333	50.2	47.0	V	-67.0
6943.200000	52.4	47.0	V	118.0
17984.133333	46.7	44.9	V	-7.0

**FREQUENCY RANGE 18 GHz to 26 GHz.**

**CHANNEL: Lowest (2402 MHz).**

**18GHz\_26GHz\_HP\_CH Low**



- AVG\_MAXH
- PK+\_MAXH
- - - TX limits to Spurious Emission FCC15.247 (1GHz to 26 GHz)\_Peak
- - - TX limits to Spurious Emission FCC15.247 (1GHz to 26 GHz)\_AVG
- ▽ PK\_MAXH\_maximizations
- + AVG\_MAXH\_maximizations

**PK\_MAXH\_maximizations**

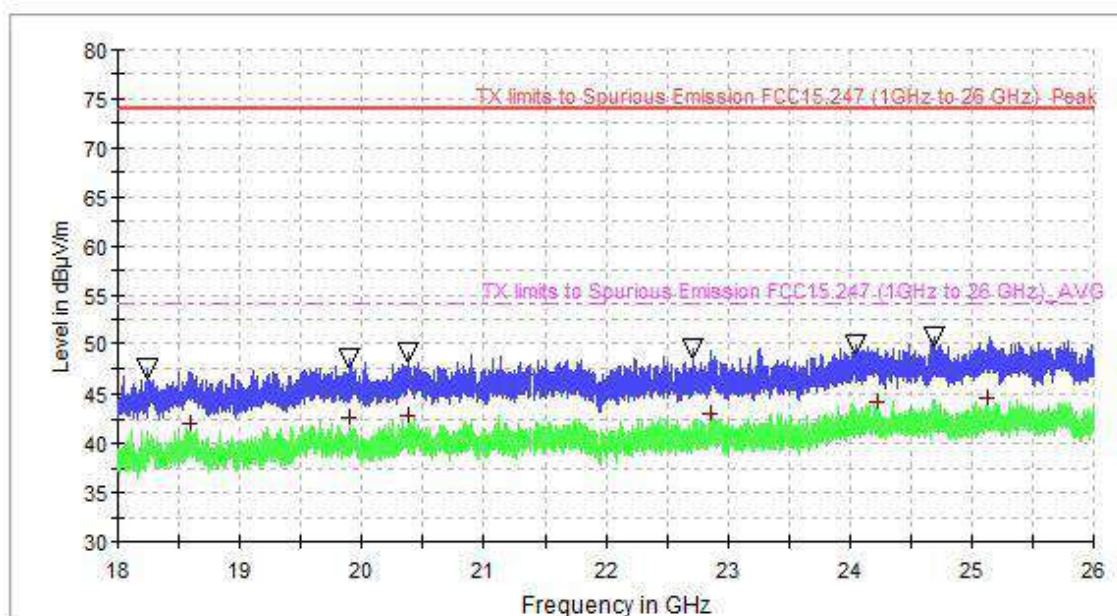
Frequency (MHz)	PK+_MAX H	AVG_MAXH (dBµV/m)	Pol	Azimuth (deg)
18568.000000	47.8	40.0	H	-60.0
19603.200000	48.3	39.8	H	-146.0
21408.000000	48.7	41.5	H	180.0
22707.200000	48.5	41.8	H	-146.0
24337.600000	49.9	43.4	H	-52.0
25704.800000	50.6	42.5	H	-18.0

**AVG\_MAXH\_maximizations**

Frequency (MHz)	PK+_MAX H	AVG_MAXH (dBµV/m)	Pol	Azimuth (deg)
18546.400000	46.0	41.5	H	180.0
19380.000000	47.0	42.2	H	-102.0
21148.800000	45.4	42.9	H	72.0
21736.800000	48.1	42.9	H	-77.0
24168.000000	48.5	43.8	H	-2.0
25742.400000	48.7	44.4	H	-179.0



### 18GHz\_26GHz\_VP\_CH Low



- AVG\_MAXH
- PK+\_MAXH
- - - TX limits to Spurious Emission FCC15.247 (1GHz to 26 GHz)\_Peak
- - - TX limits to Spurious Emission FCC15.247 (1GHz to 26 GHz)\_AVG
- + AVG\_MAXH\_maximizations
- ▽ PK\_MAXH\_maximizations

### PK\_MAXH\_maximizations

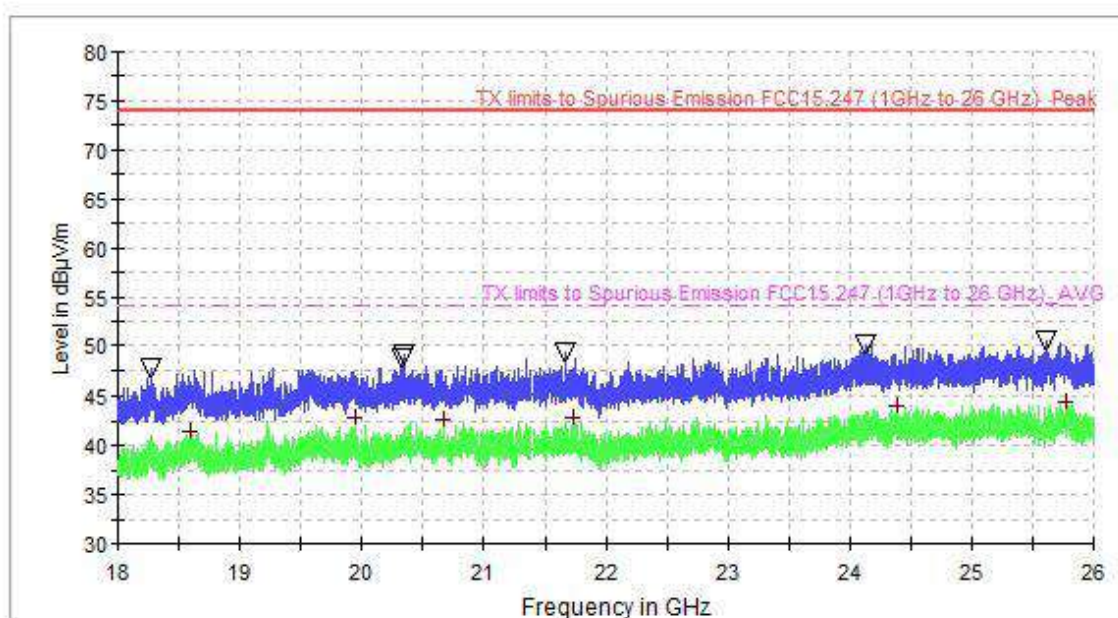
Frequency (MHz)	PK+_MAX H	AVG_MAXH (dBµV/m)	Pol	Azimuth (deg)
18249.600000	47.4	39.4	V	-171.0
19909.600000	48.4	40.1	V	180.0
20388.800000	49.1	40.5	V	180.0
22711.200000	49.5	42.3	V	-156.0
24049.600000	49.9	42.8	V	180.0
24690.400000	50.6	43.5	V	37.0

### AVG\_MAXH\_maximizations

Frequency (MHz)	PK+_MAX H	AVG_MAXH (dBµV/m)	Pol	Azimuth (deg)
18594.400000	45.5	42.1	V	180.0
19904.800000	47.3	42.6	V	-28.0
20380.800000	48.3	42.9	V	-86.0
22854.400000	46.5	43.0	V	180.0
24231.200000	47.9	44.3	V	180.0
25132.000000	49.8	44.7	V	180.0

CHANNEL: Middle (2440 MHz).

18GHz\_26GHz\_HP\_CH Mid



- AVG\_MAXH
- PK+\_MAXH
- TX limits to Spurious Emission FCC15.247 (1GHz to 26 GHz)\_Peak
- TX limits to Spurious Emission FCC15.247 (1GHz to 26 GHz)\_AVG
- ▽ PK\_MAXH\_maximizations
- + AVG\_MAXH\_maximizations

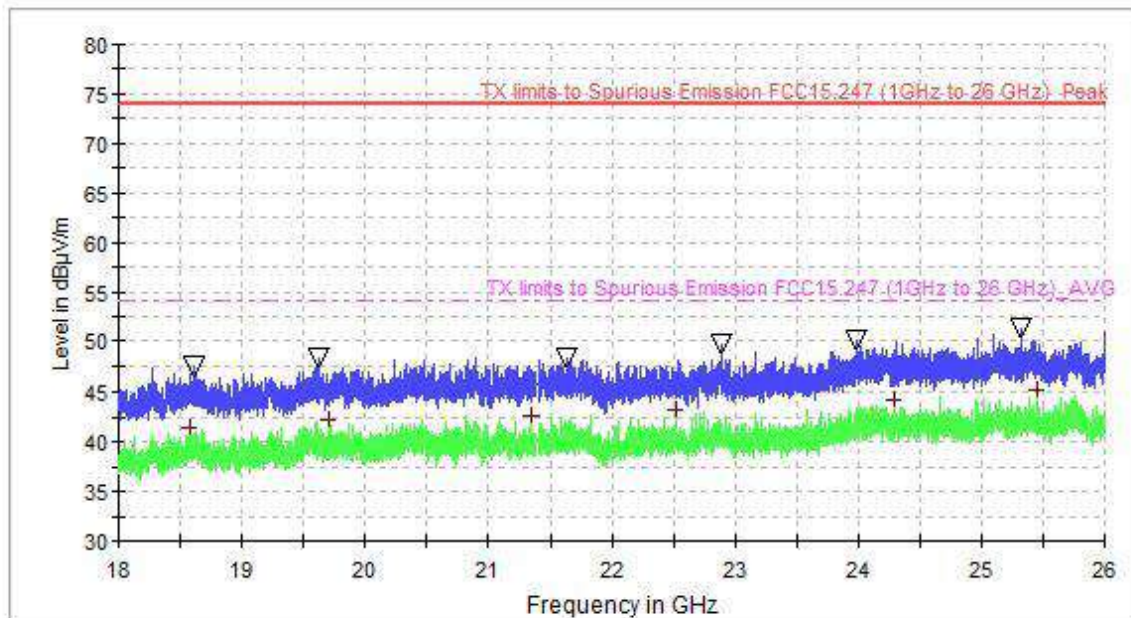
**PK\_MAXH\_maximizations**

Frequency (MHz)	PK+_MAX H	AVG_MAXH (dBµV/m)	Pol	Azimuth (deg)
18280.800000	47.6	40.0	H	-46.0
20341.600000	48.7	39.5	H	20.0
20361.600000	49.1	41.1	H	155.0
21662.400000	49.4	42.2	H	163.0
24133.600000	50.0	42.1	H	163.0
25616.800000	50.4	42.4	H	103.0

**AVG\_MAXH\_maximizations**

Frequency (MHz)	PK+_MAX H	AVG_MAXH (dBµV/m)	Pol	Azimuth (deg)
18598.400000	44.9	41.5	H	12.0
19948.800000	45.9	42.8	H	-179.0
20680.000000	45.8	42.6	H	-138.0
21730.400000	47.7	42.9	H	103.0
24392.800000	47.9	44.0	H	-79.0
25772.000000	48.3	44.5	H	-54.0

18GHz\_26GHz\_VP\_CH Mid



- AVG\_MAXH
- PK+\_MAXH
- TX limits to Spurious Emission FCC15.247 (1GHz to 26 GHz)\_Peak
- TX limits to Spurious Emission FCC15.247 (1GHz to 26 GHz)\_AVG
- + AVG\_MAXH\_maximizations
- ▽ PK\_MAXH\_maximizations

**PK\_MAXH\_maximizations**

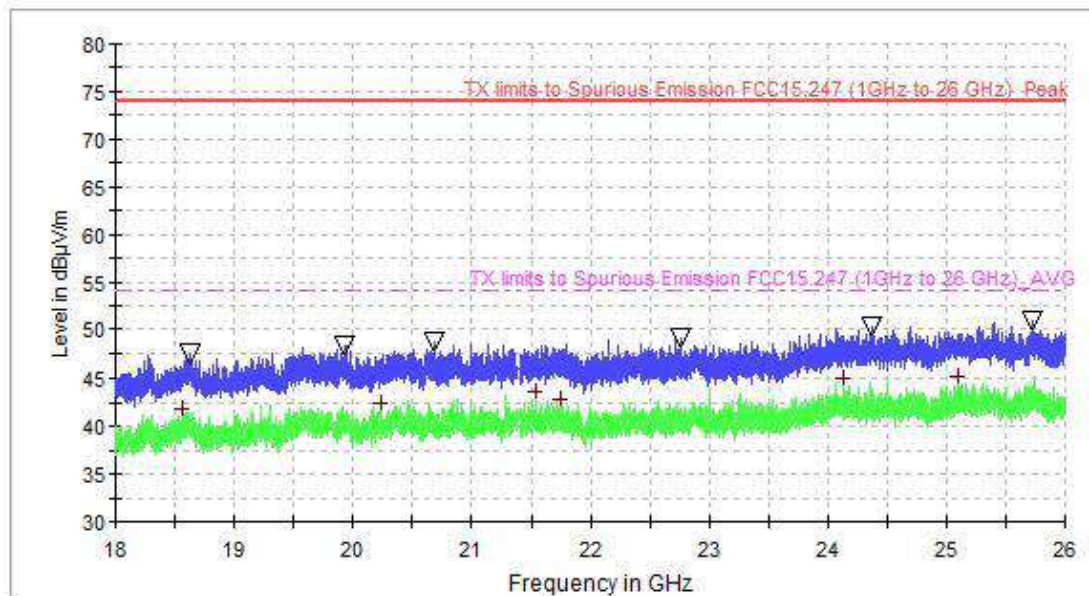
Frequency (MHz)	PK+_MAX H	AVG_MAXH (dBµV/m)	Pol	Azimuth (deg)
18616.000000	47.5	39.7	H	-131.0
19634.400000	48.3	40.6	H	87.0
21625.600000	48.3	41.9	H	-179.0
22884.000000	49.6	41.8	H	-178.0
23979.200000	50.0	42.8	H	-73.0
25319.200000	51.3	43.1	H	-147.0

**AVG\_MAXH\_maximizations**

Frequency (MHz)	PK+_MAX H	AVG_MAXH (dBµV/m)	Pol	Azimuth (deg)
18577.600000	44.8	41.4	H	-55.0
19709.600000	44.8	42.2	H	-172.0
21352.800000	46.3	42.7	H	-179.0
22522.400000	46.5	43.3	H	130.0
24297.600000	48.1	44.2	H	112.0
25448.000000	47.9	45.2	H	-122.0

CHANNEL: Highest (2480 MHz).

18GHz\_26GHz\_HP\_CH High



- AVG\_MAXH
- PK+ MAXH
- TX limits to Spurious Emission FCC15.247 (1GHz to 26 GHz)\_Peak
- - - TX limits to Spurious Emission FCC15.247 (1GHz to 26 GHz)\_AVG
- + AVG\_MAXH\_maximizations
- ∇ PK\_MAXH\_maximizations

**PK\_MAXH\_maximizations**

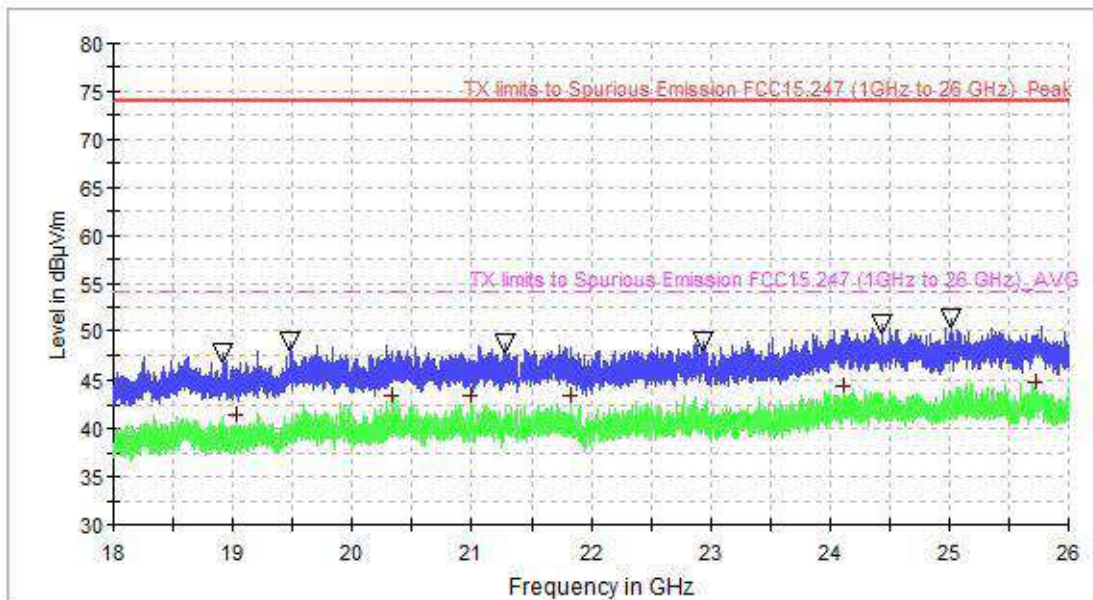
Frequency (MHz)	PK+ MAX H	AVG_MAXH (dBµV/m)	Pol	Azimuth (deg)
18629.600000	47.4	39.7	H	-179.0
19937.600000	48.3	40.7	H	180.0
20685.600000	48.7	39.8	H	60.0
22753.600000	49.0	41.5	H	-179.0
24364.000000	50.3	41.5	H	60.0
25720.000000	50.8	43.7	H	-5.0

**AVG\_MAXH\_maximizations**

Frequency (MHz)	PK+ MAX H	AVG_MAXH (dBµV/m)	Pol	Azimuth (deg)
18560.000000	45.5	41.8	H	-30.0
20246.400000	45.4	42.4	H	-179.0
21526.400000	47.1	43.6	H	35.0
21745.600000	46.0	42.9	H	-71.0
24130.400000	49.0	45.2	H	-179.0
25093.600000	48.8	45.3	H	-179.0



### 18GHz\_26GHz\_VP\_CH High



- AVG\_MAXH
- PK+\_MAXH
- TX limits to Spurious Emission FCC15.247 (1GHz to 26 GHz)\_Peak
- TX limits to Spurious Emission FCC15.247 (1GHz to 26 GHz)\_AVG
- ▽ PK\_MAXH\_maximizations
- + AVG\_MAXH\_maximizations

#### PK\_MAXH\_maximizations

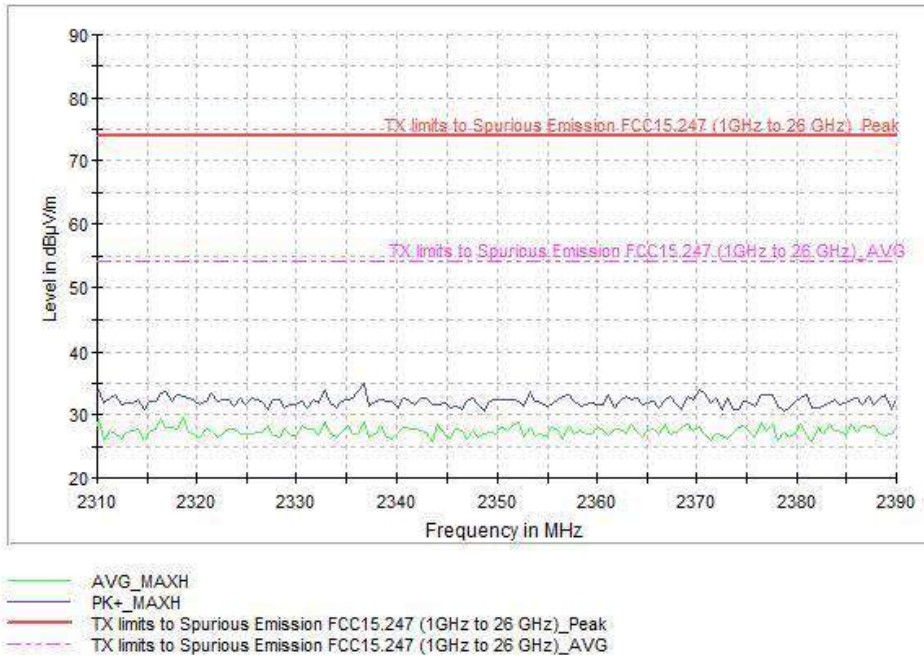
Frequency (MHz)	PK+_MAX H	AVG_MAXH (dBµV/m)	Pol	Azimuth (deg)
18920.800000	47.7	40.7	V	180.0
19479.200000	48.9	40.1	V	1.0
21288.800000	48.6	41.7	V	-179.0
22941.600000	48.8	41.3	V	-179.0
24431.200000	50.7	43.0	V	-179.0
25011.200000	51.3	43.8	V	180.0

#### AVG\_MAXH\_maximizations

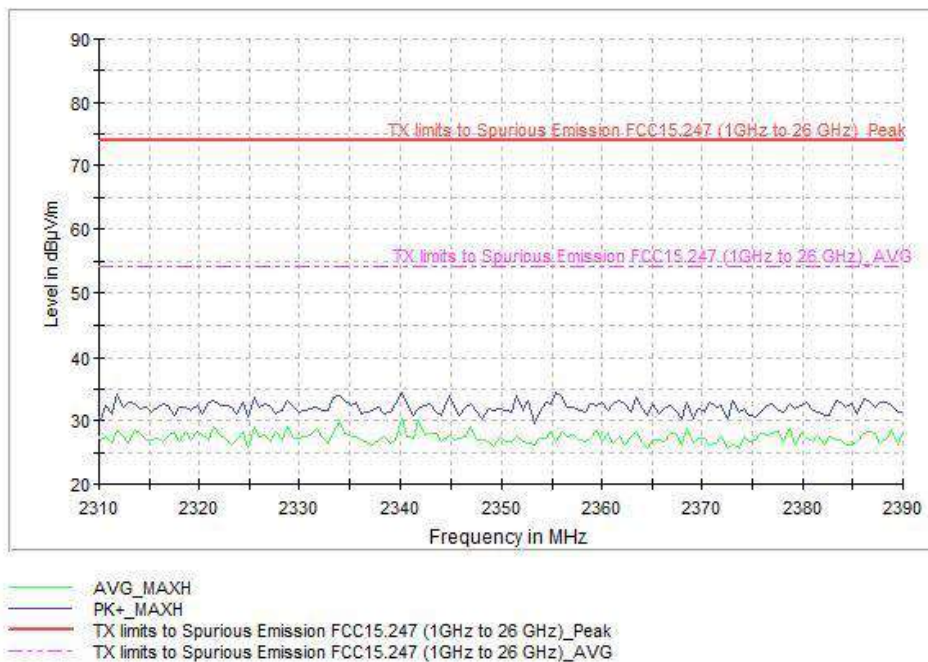
Frequency (MHz)	PK+_MAX H	AVG_MAXH (dBµV/m)	Pol	Azimuth (deg)
19037.600000	45.5	41.5	V	-88.0
20342.400000	46.5	43.4	V	-161.0
20996.000000	45.6	43.5	V	-179.0
21820.000000	48.0	43.4	V	-179.0
24118.400000	49.5	44.5	V	-179.0
25722.400000	49.2	44.9	V	180.0

FREQUENCY RANGE 2.31 GHz to 2.39 GHz. (RESTRICTED BAND)

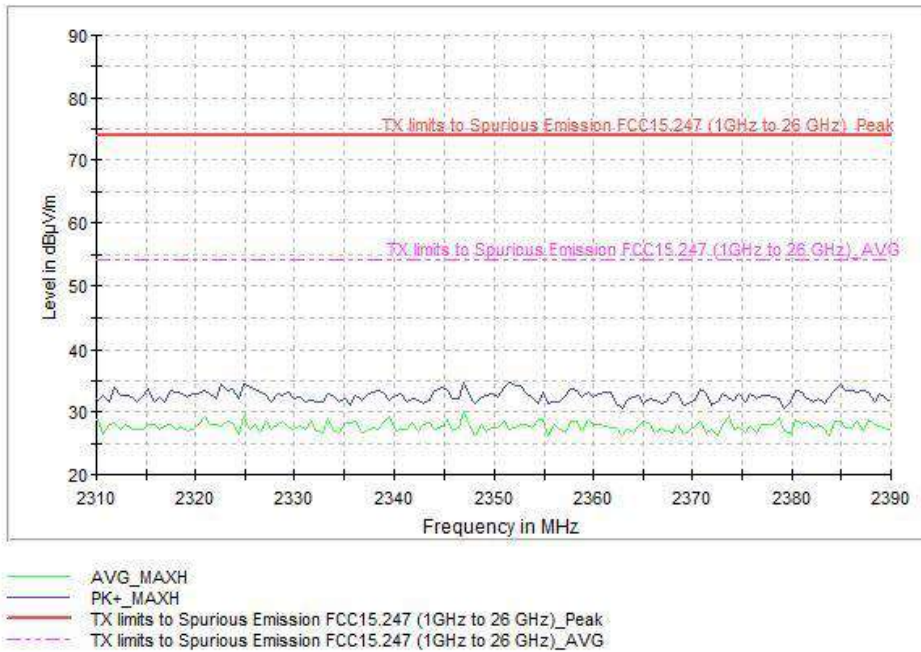
CHANNEL: Lowest (2402 MHz).



CHANNEL: Middle (2440 MHz).

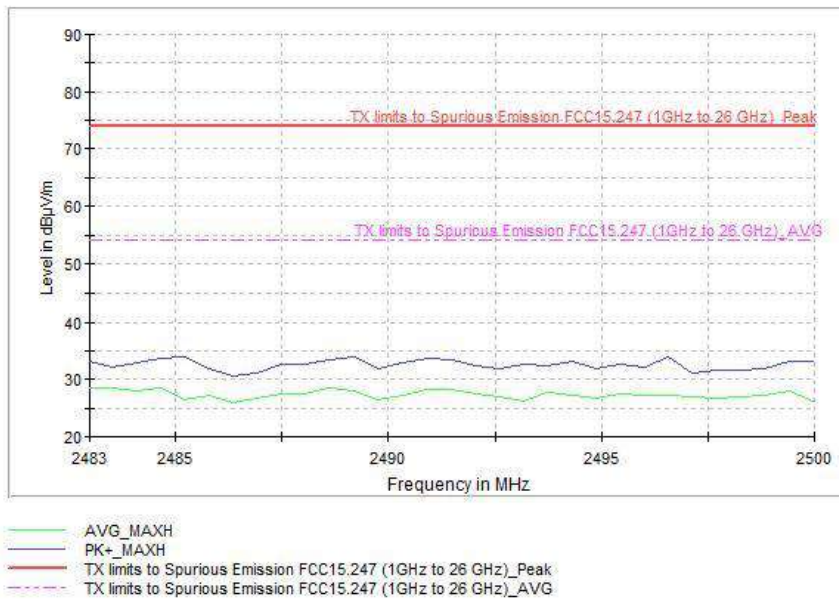


**CHANNEL: Highest (2480 MHz).**

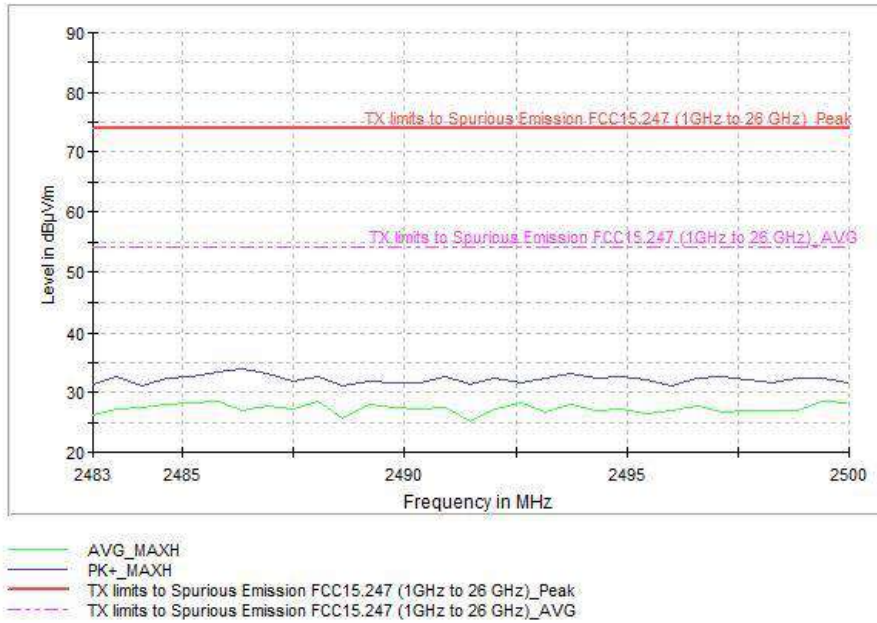


**FREQUENCY RANGE 2.4835 GHz to 2.5 GHz. (RESTRICTED BAND).**

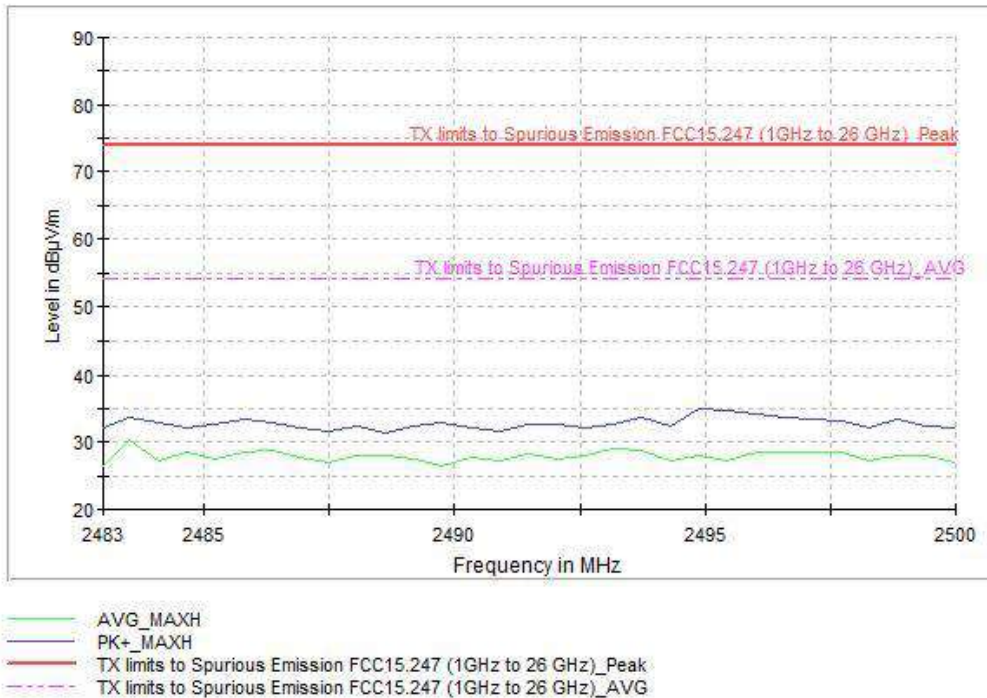
**CHANNEL: Lowest (2402 MHz).**



**CHANNEL: Middle (2440 MHz).**



**CHANNEL: Highest (2480 MHz).**





## Appendix B – Continuous Conducted Emissions

## APPENDIX B CONTENT

DESCRIPTION OF THE OPERATION MODES .....	75
CONTINUOUS CONDUCTED EMISSION .....	76

## DESCRIPTION OF THE OPERATION MODES

The operation modes described in this paragraph constitute a functionality of the sample under test for itself. Every operation mode takes a failure criterion for the immunity test that they were applying to it and a monitoring to guarantee performance of the same ones.

The operation modes used by the samples to which the present report refers, are shown in the following table:

OPERATION MODE	DESCRIPTION
OM#01	EUT ON. Exercise /Running: ON. Bluetooth link established, GPS Rx: Acquiring Location and transferring data with the PC by USB port from a laptop (120 Vac/60Hz).

**CONTINUOUS CONDUCTED EMISSION**

<b>LIMITS:</b>	Product standard :	FCC CFR 47, Part 15, Subpart C (10-1-17 Edition), Secs. 15.207 & RSS-Gen (Issue 4)
	Test standard :	FCC CFR 47, Part 15, Subpart C (10-1-17 Edition), Secs. 15.207 & RSS-Gen (Issue 4)

**CLASS B**

The applied limit for continuous conducted emissions in power leads, according with the requirements of FCC Rules and Regulations 47 CFR Part 15, Subpart C (10-01-17 Edition), Secs. 15.207 & RSS-Gen (Issue 4), in the frequency range 0,15 to 30 MHz, for Class B equipment was:

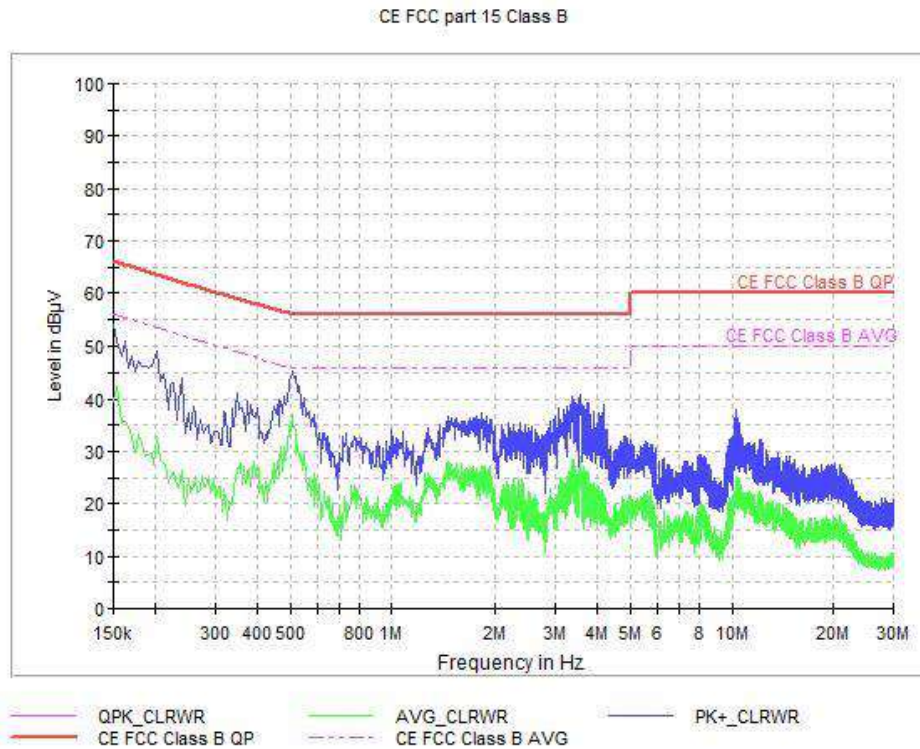
Frequency range (MHz)	Limit (dBµV)	
	Quasi-peak	Average
0,15 to 0,5	66-56	56-46
0,5 to 5	56	46
5 to 30	60	50

<b>TESTED SAMPLES:</b>	S/03
<b>TESTED OPERATION MODES:</b>	OM#01
<b>TEST RESULTS:</b>	CCmmnnhh:CC, Conducted Condition; mm: Sample number; nn: Operation mode; hh: wire

CRmmnnhh	DESCRIPTION	RESULT
CC01020N	Neutral wire noise.	P
CC0102L1	Phase wire noise.	P

**Conducted Emission. CC02010N**

Project: 2099ERM005  
 Company: Suunto Oy  
 Sample: S/03  
 Operation mode: OM#01  
 Description: EUT ON. Connected to PC. PC powered by Power supply: 120VAC.  
 N wire

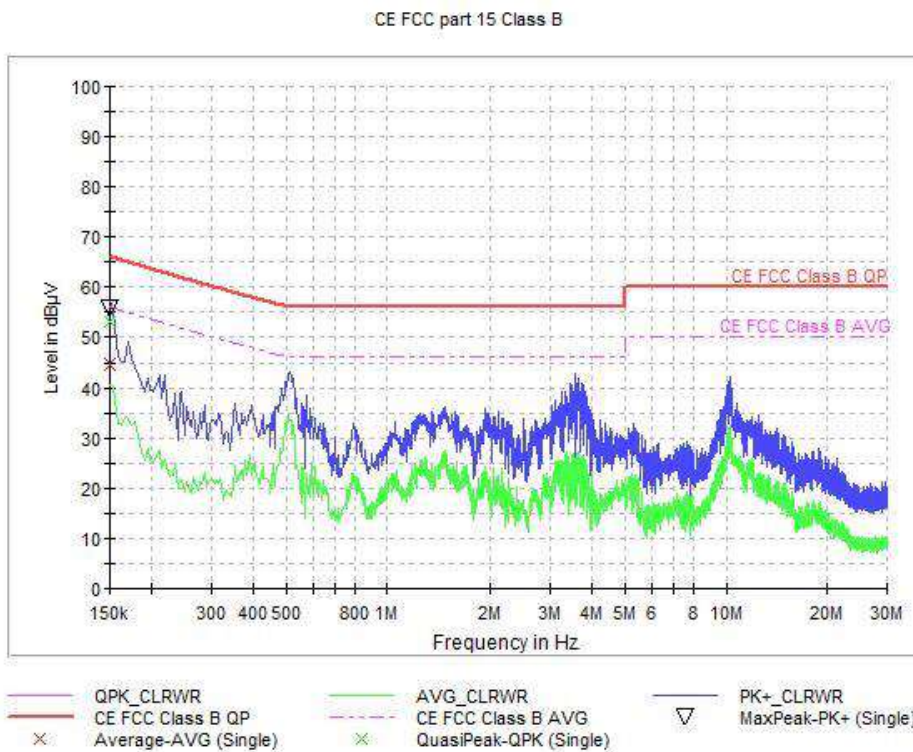


**Subrange Maxima**

Frequency (MHz)	PK+_CLRWR (dBµV)	AVG_CLRWR (dBµV)
0.174000	50.1	35.2
3.642000	42.1	24.5
4.894000	33.1	21.6
7.762000	29.7	14.6
10.690000	35.3	23.7
10.914000	33.5	21.3
14.082000	29.3	19.2
15.146000	27.5	18.6
17.918000	27.2	14.7
19.834000	27.9	17.3
21.882000	26.0	16.0
24.382000	21.9	10.8
27.494000	20.6	9.2
29.602000	21.1	9.4

**Conducted Emission. CC0201L1**

Project: 2099ERM005  
 Company: Suunto Oy  
 Sample: S/03  
 Operation mode: OM#01  
 Description: EUT ON. Connected to PC. PC powered by Power supply: 120VAC. L1 wire



**Subrange Maxima**

Frequency (MHz)	PK+_CLRWR (dBµV)	AVG_CLRWR (dBµV)
0.166000	21.7	10.8
3.470000	19.9	8.0
5.038000	19.7	7.4
6.682000	20.3	8.8
9.086000	19.5	8.3
11.318000	20.2	8.5
12.998000	18.9	7.6
16.398000	19.0	7.7
18.526000	18.6	7.5
19.786000	19.8	8.3
23.242000	19.9	7.9
25.110000	19.4	8.1
27.758000	21.1	8.0
29.582000	21.0	9.3