

FCC LISTED, REGISTRATION
 NUMBER: 720267

Informe de ensayo nº:
 Test report No:

IC LISTED REGISTRATION
 NUMBER IC 4621A-1

NIE: 43117RRF.002

Test report
USA FCC Part 15.247, 15.209
CANADA RSS-210, RSS-Gen
 Radio Frequency Devices. Operation within the bands 902 - 928 MHz, 2400 -2483.5 MHz.
 Licence-Exempt Radio Apparatus (All Frequency Bands): Category I Equipment.
 General Requirements and Information for the Certification of Radio Apparatus.

Identificación del objeto ensayado.....: Identification of item tested	PCIe M.2 adapter card Antenna Configuration: WiFi: 2x2 (Tx/Rx) BT: 1x1 (Tx/Rx) WiGig: 1 RFEM array
Marca Trade	INTEL
Modelo y/o referencia tipo Model and /or type reference	17265NGW (includes family sub-model 17265NGW LC)
Other identification of the product	Commercial name: INTEL TRI-BAND WIRELESS-AC 17265 FCC ID: PD917265NG IC: 1000M-17265NG
Final HW version	Engineering Sample
Final SW version	Test SW: DRTU_1_7_3_984 & DRTU_1_7_3_859 Op SW: V17.12.0.0
Serial number.....:	WFM:001500F78C90 BDM:001500F78C94 WGM:001500F78C95
Características Features	WiFi 802.11 a/b/g/n/ac + WiGig 802.11ad + BT 4.0
Peticionario Applicant	INTEL MOBILE COMMUNICATIONS 100 Center Point Circle, Suite 200, Columbia, South Carolina 29210 USA Steven Hackett Tel: 803-216-2344/ FAX: 803-216-2176 steven.c.hackett@intel.com
Método de ensayo solicitado, norma.....: Test method requested, standard	USA FCC Part 15.247 10-1-12 Edition: Operation within the bands 902 - 928 MHz, 2400 -2483.5 MHz, and 5725 - 5850 MHz. USA FCC Part 15.209 10-1-13 Edition: Radiated emission limits; general requirements. CANADA RSS-210 Issue 8 (December 2010). CANADA RSS-Gen Issue 3 (December 2010).

	Guidance for Performing Compliance Measurements on Digital Transmission Systems (DTS) Operating Under §15.247 558074 D01 DTS Meas Guidance v03r02 dated 05/06/2014. Guidance for Emission Testing of Transmitters with Multiple Outputs in the Same Band 662911 D01 Multiple Transmitter Output v02r01 dated 10/31/2013. ANSI C63.10-2009: American National Standard for Testing Unlicensed Wireless Devices.
Resultado.....: Summary	IN COMPLIANCE
Aprobado por (nombre / cargo y firma) Approved by (name / position & signature)	A. Llamas RF Lab. Manager
Fecha de realización Date of issue	2014-10-03
Formato de informe No. Report template No	FDT08_15

Index

Competences and guarantees.....	4
General conditions.....	4
Uncertainty	4
Usage of samples.....	4
Test sample description	6
Test samples supplier	6
Testing period.....	6
Environmental conditions.....	7
Remarks and comments.....	8
Testing verdicts	9
Appendix A – Test result “Bluetooth Low Energy”	10
Appendix B – Test result “WiFi 2.4 GHz (802.11b/g/n20/n40)”	41

Competences and guarantees

AT4 wireless 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: 720267.

AT4 wireless 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: IC 4621A-1.

In order to assure the traceability to other national and international laboratories, AT4 wireless has a calibration and maintenance program for its measurement equipment.

AT4 wireless 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 AT4 wireless at the time of performance of the test.

AT4 wireless 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.

IMPORTANT: No parts of this report may be reproduced or quoted out of context, in any form or by any means, except in full, without the previous written permission of AT4 wireless.

General conditions

1. This report is only referred to the item that has undergone the test.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or competent Authorities.
3. This document is only valid if complete; no partial reproduction can be made without previous written permission of AT4 wireless.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of AT4 wireless and the Accreditation Bodies.

Uncertainty

Uncertainty (factor $k=2$) was calculated according to the AT4 wireless 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
43117/012	PCIe M.2 adapter card Antenna Configuration: WiFi: 2x2 (Tx/Rx) BT: 1x1 (Tx/Rx) WiGig: 1 RFEM array	17265NGW	TA#: H50077-001 WFM:001500F78C90 BDM:001500F78C94 WGM:001500F78C95	11/08/2014

Auxiliary elements used with the sample S/01:

Control N°	Description	Manufacture	Model	Serial N°	Date of reception
43117/01	Laptop PC	DELL	Latitude E6440	TAG 6C6YG12	11/08/2014
43117/03	Cable of the AC/DC Adapter	DELL	---	---	11/08/2014
43117/02	AC/DC Adapter	INTEL	DA90PM130	CN-OJCF3V- 48661-46G- 7VGK-A	11/08/2014
43117/08	Reference Antenna	SkyCross	WIMAX/WLAN	---	11/08/2014
43117/09	Reference Antenna	SkyCross	WIMAX/WLAN	---	11/08/2014
40079/11	Interface extender cable	---	---	---	26/09/2013
43117/13	NGFF 30x30 Testing board	INTEL	PCB00469	ASS00469- 001-4694213- 028	11/08/2014
38067/38	Adapter of the AC/DC Board Testing	SINPRO	SPU60-102	07990464 1249	20/08/2014
1302	Board 35mmx35mm	---	---	---	---

1. Sample S/01 has undergone following test(s).

All radiated tests indicated in appendix A and appendix B.

Sample S/02 is composed of the following elements:

Control N°	Description	Model	Serial N°	Date of reception
43117/017	PCIe M.2 adapter card Antenna Configuration: WiFi: 2x2 (Tx/Rx) BT: 1x1 (Tx/Rx) WiGig: 1 RFEM array	17265NGW	TA#: H50077-001 WFM:001500F78C90 BDM:001500F78C94 WGM:001500F78C95	11/08/2014

Auxiliary elements used with the sample S/02:

Control N°	Description	Manufacture	Model	Serial N°	Date of reception
43117/01	Laptop PC	DELL	Latitude E6440	TAG 6C6YG12	11/08/2014
43117/03	Cable of the AC/DC Adapter	DELL	---	---	11/08/2014
43117/02	AC/DC Adapter	INTEL	DA90PM130	CN-OJCF3V- 48661-46G- 7VGK-A	11/08/2014
40079/11	Interface extender cable	---	---	---	26/09/2013
43117/13	NGFF 30x30 Testing board	INTEL	PCB00469	ASS00469- 001-4694213- 028	11/08/2014
38067/38	Adapter of the AC/DC Board Testing	SINPRO	SPU60-102	07990464 1249	20/08/2014

1. Sample S/02 has undergone the test(s) specified in subclause “Test method requested”.

All conducted tests indicated in appendix A and appendix B.

Test sample description

The test sample consists of a PCIe M.2 adapter card Antenna Configuration: WiFi: 2x2 (Tx/Rx) BT: 1x1 (Tx/Rx) WiGig: 1 RFEM array.

Test samples supplier

INTEL MOBILE COMMUNICATIONS

100 Center Point Circle, Suite 200, Columbia, South Carolina 29210 USA

Steven Hackett

Tel: 803-216-2344/ FAX: 803-216-2176

steven.c.hackett@intel.com

Testing period

The performed test started on 2014-08-12 and finished on 2014-08-26.

The tests have been performed at AT4 wireless.

Environmental conditions

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

Temperature	Min. = 20.1 °C Max. = 22.6 °C
Relative humidity	Min. = 32.0 % Max. = 51.9 %
Shielding effectiveness	> 100 dB
Electric insulation	> 10 kΩ
Reference resistance to earth	< 0,5 Ω

In the semianechoic chamber (21 meters x 11 meters x 8 meters), the following limits were not exceeded during the test.

Temperature	Min. = 20.2 °C Max. = 27.2 °C
Relative humidity	Min. = 44.1 % Max. = 59.4 %
Air pressure	Min. = 1016 mbar Max. = 1019 mbar
Shielding effectiveness	> 100 dB
Electric insulation	> 10 kΩ
Reference resistance to earth	< 0,5 Ω
Normal site attenuation (NSA)	< ±4 dB at 10 m distance between item under test and receiver antenna, (30 MHz to 1000 MHz)
Field homogeneity	More than 75% of illuminated surface is between 0 and 6 dB (26 MHz to 1000 MHz).

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

Temperature	Min. = 23.1 °C Max. = 27.7 °C
Relative humidity	Min. = 34.6 % Max. = 56.4 %
Air pressure	Min. = 1009 mbar Max. = 1013 mbar
Shielding effectiveness	> 100 dB
Electric insulation	> 10 kΩ
Reference resistance to earth	< 0,5 Ω

Remarks and comments

1: Used instrumentation:

Conducted Measurements

		Last Cal. date	Cal. due date
1.	Spectrum Analyzer Rohde & Schwarz FSU	2014/05	2016/05
2.	Spectrum analyser Rohde & Schwarz FSW50	2013/10	2015/10
3.	Spectrum analyser Agilent PSA E4440A	2014/06	2016/06

Radiated Measurements

		Last Cal. date	Cal. due date
1.	Semianechoic Absorber Lined Chamber ETS FACT3 200STP	N.A.	N.A.
2.	BiconicalLog antenna ETS LINDGREN 3142E	2014/03	2017/03
3.	Multi Device Controller EMCO 2090	N.A.	N.A.
4.	Double-ridge Guide Horn antenna 1-18 GHz SCHWARZBECK BBHA 9120 D	2013/11	2016/11
5.	Double-ridge Guide Horn antenna 18-40 GHz Agilent 119665J	2011/09	2014/09
6.	EMI Test Receiver R&S ESU 26	2013/08	2015/08
7.	Spectrum analyser Rohde & Schwarz FSW50	2013/10	2015/10
8.	RF pre-amplifier 10 MHz-6 GHz SCHWARZBECK BBV9743	2014/02	2015/02
9.	RF pre-amplifier 1-18 GHz Schwarzbeck BBV 9718	2014/02	2015/02
10.	RF pre-amplifier BONN ELEKTRONIK BLMA 1840-1M	2014/02	2015/02

Testing verdicts

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

1. Bluetooth Low Energy

FCC PART 15 PARAGRAPH / RSS-210		VERDICT			
		NA	P	F	NM
Section 15.247 Subclause (a) (2) / RSS-210 A8.2. (a)	6 dB Bandwidth	P			
Section 15.247 Subclause (b) / RSS-210 A8.4. (4)	Maximum output power and antenna gain	P			
Section 15.247 Subclause (d) / RSS-210 A8.5. conducted	Emission limitations (Transmitter)	P			
Section 15.247 Subclause (d) / RSS-210 A8.5. compliance	Band-edge emissions (Transmitter)	P			
Section 15.247 Subclause (e) / RSS-210 A8.2. (b)	Power spectral density	P			
Section 15.247 Subclause (d) / RSS-210 A8.5.	Emission limitations radiated (Transmitter)	P			

2. WiFi 2.4 GHz (802.11b/g/n20/n40)

FCC PART 15 PARAGRAPH / RSS-210		VERDICT			
		NA	P	F	NM
Section 15.247 Subclause (a) (2) / RSS-210 A8.2. (a)	6 dB Bandwidth	P			
Section 15.247 Subclause (b) / RSS-210 A8.4. (4)	Maximum output power and antenna gain	P			
Section 15.247 Subclause (d) / RSS-210 A8.5. .	Emission limitations conducted (Transmitter)	P			
Section 15.247 Subclause (d) / RSS-210 A8.5.	Band-edge emissions compliance (Transmitter)	P			
Section 15.247 Subclause (e) / RSS-210 A8.2. (b)	Power spectral density	P			
Section 15.247 Subclause (d) / RSS-210 A8.5. .	Emission limitations radiated (Transmitter)	P			

Appendix A – Test result “Bluetooth Low Energy”



INDEX

TEST CONDITIONS	12
Occupied Bandwidth	13
Section 15.247 Subclause (a) (2) / RSS-210 A8.2. (a). 6 dB Bandwidth	16
Section 15.247 Subclause (b) / RSS-210 A8.4. (4). Maximum output power and antenna gain	19
Section 15.247 Subclause (d) / RSS-210 A8.5. Emission limitations conducted (Transmitter).....	22
Section 15.247 Subclause (d) / RSS-210 A8.5. Band-edge emissions compliance (Transmitter).....	25
Section 15.247 Subclause (e) / RSS-210 A8.5. Power spectral density	27
Section 15.247 Subclause (d) / RSS-210 A8.5. Emission limitations radiated (Transmitter)	30

TEST CONDITIONS

Power supply (V):

$$V_{\text{nominal}} = 3.3 \text{ Vdc}$$

Type of power supply = DC voltage from NGFF 30x30 Testing board.

Type of antenna = External attachable PIFA antenna.

Declared Gain for antenna = 3.24 dBi

TEST FREQUENCIES:

Lowest channel: 2402 MHz

Middle channel: 2440 MHz

Highest channel: 2480 MHz

For Bluetooth LE operation mode the transmission is at CHAIN B RF output.

For radio testing purposes the card was installed in a test fixture. The test fixture is connected to a laptop computer and dc power supplied. The laptop computer was used to configure the EUT to continuously transmit at a specified output power.

The PC was using the Intel test utility DRTU Version 1.7.3-984.

CONDUCTED MEASUREMENTS

The equipment under test was set up in a shielded room and connected to the spectrum analyzer using a low loss calibrated RF cable. The measurement readings are corrected with the cable loss (dB).

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 (wooden) platform one meter 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.

Occupied Bandwidth

RESULTS

(see next plots).

	Lowest frequency 2402 MHz	Middle frequency 2440 MHz	Highest frequency 2480 MHz
99% bandwidth (MHz)	1.026	1.026	1.023
-26 dBc bandwidth (MHz)	1.254	1.258	1.260
Measurement uncertainty (kHz)	±7		

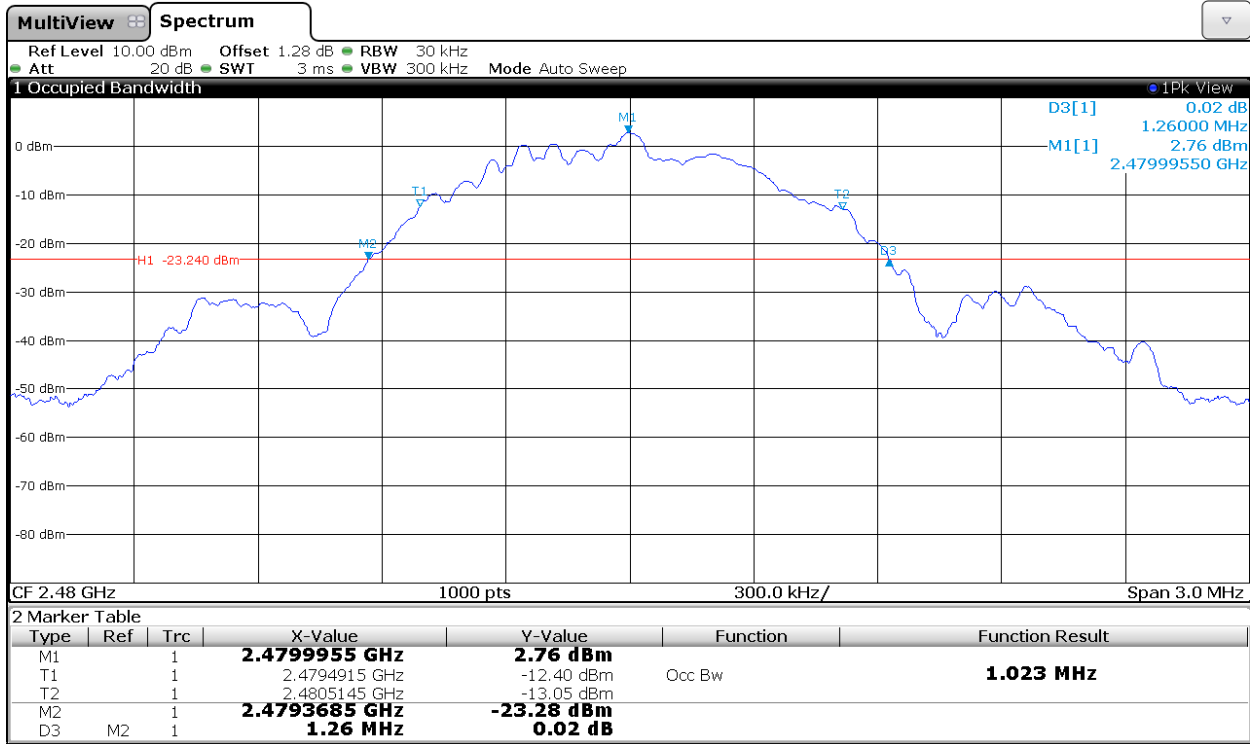
Lowest Channel



Middle Channel



Highest channel



Section 15.247 Subclause (a) (2) / RSS-210 A8.2. (a). 6 dB Bandwidth

SPECIFICATION

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

RESULTS

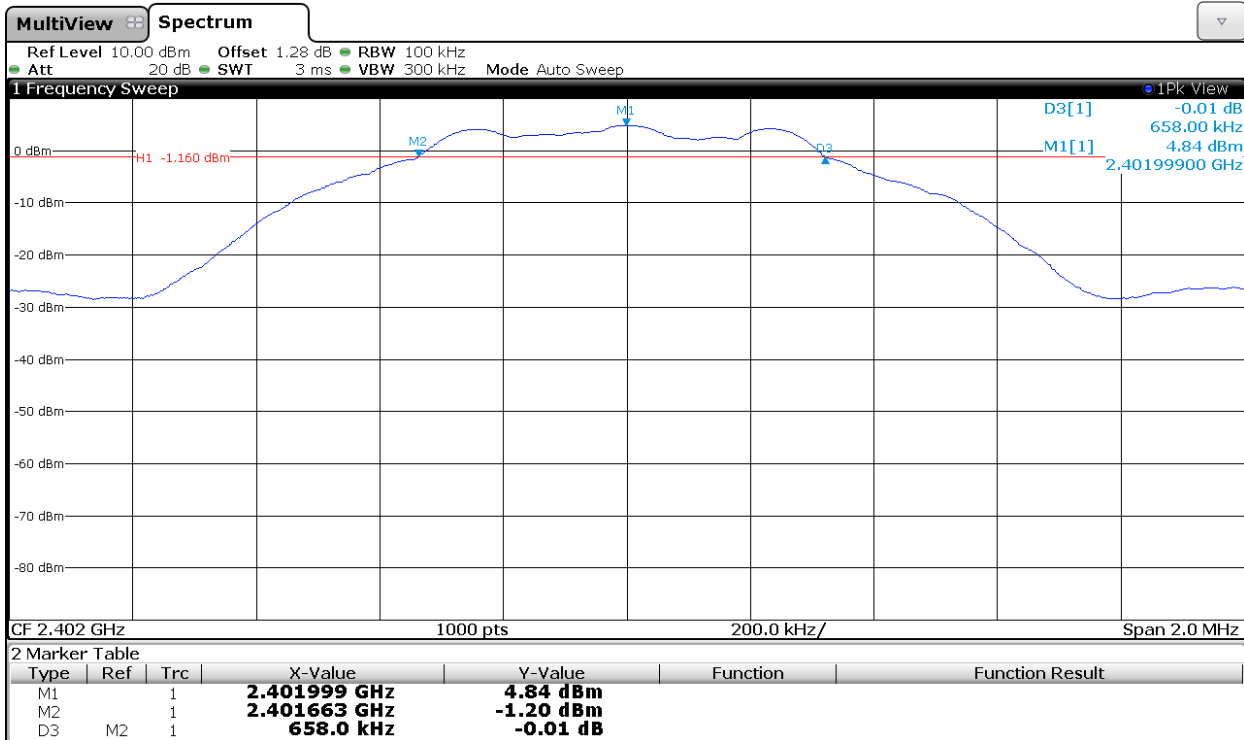
6 dB Bandwidth (see next plots).

	Lowest frequency 2402 MHz	Middle frequency 2440 MHz	Highest frequency 2480 MHz
6 dB Spectrum bandwidth (kHz)	658.00	664.00	668.00
Measurement uncertainty (kHz)	±7		

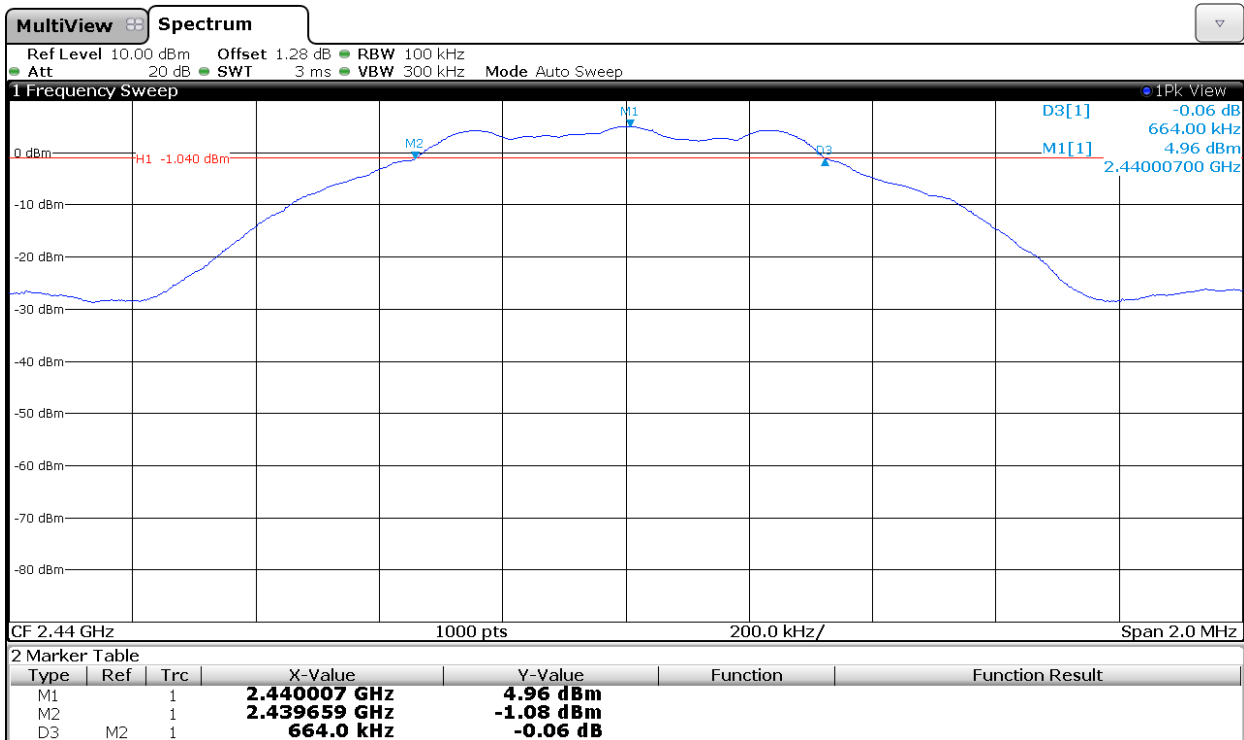
Verdict: PASS

6 dB BANDWIDTH.

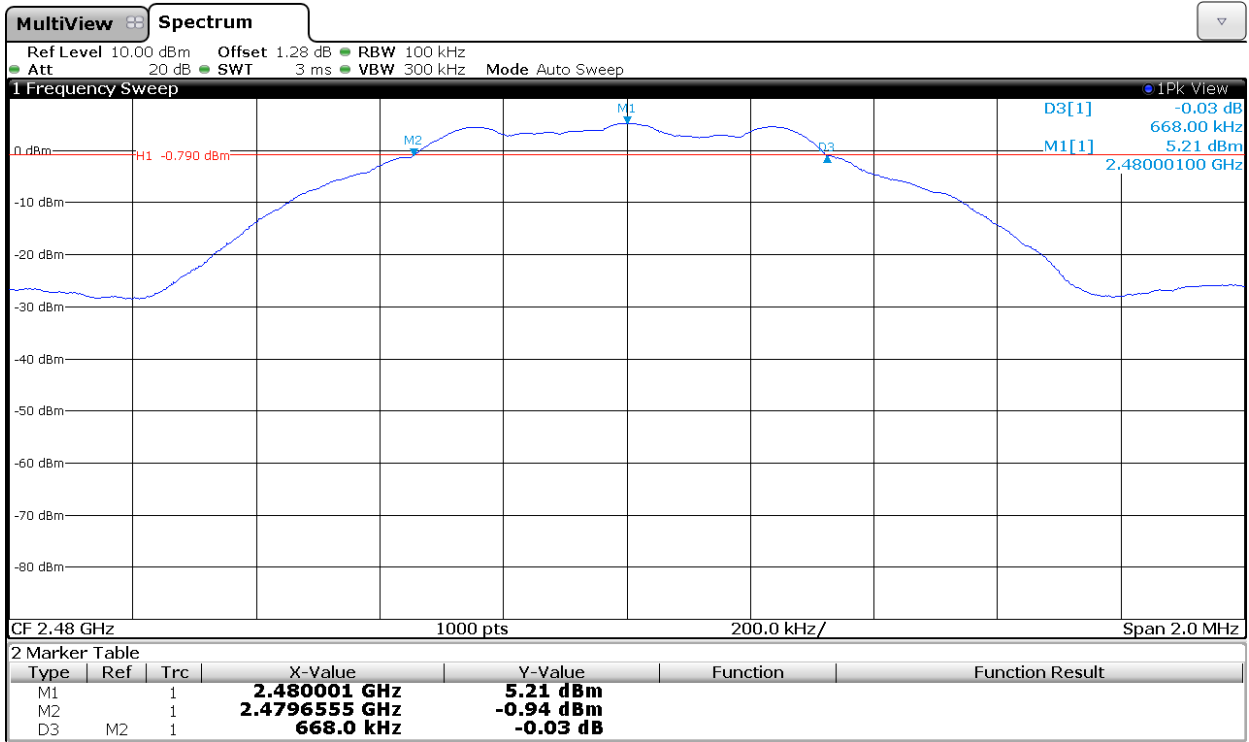
Lowest Channel



Middle Channel



Highest Channel



Section 15.247 Subclause (b) / RSS-210 A8.4. (4). 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 v03r02 dated 05/06/2014.

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: 3.24 dBi.

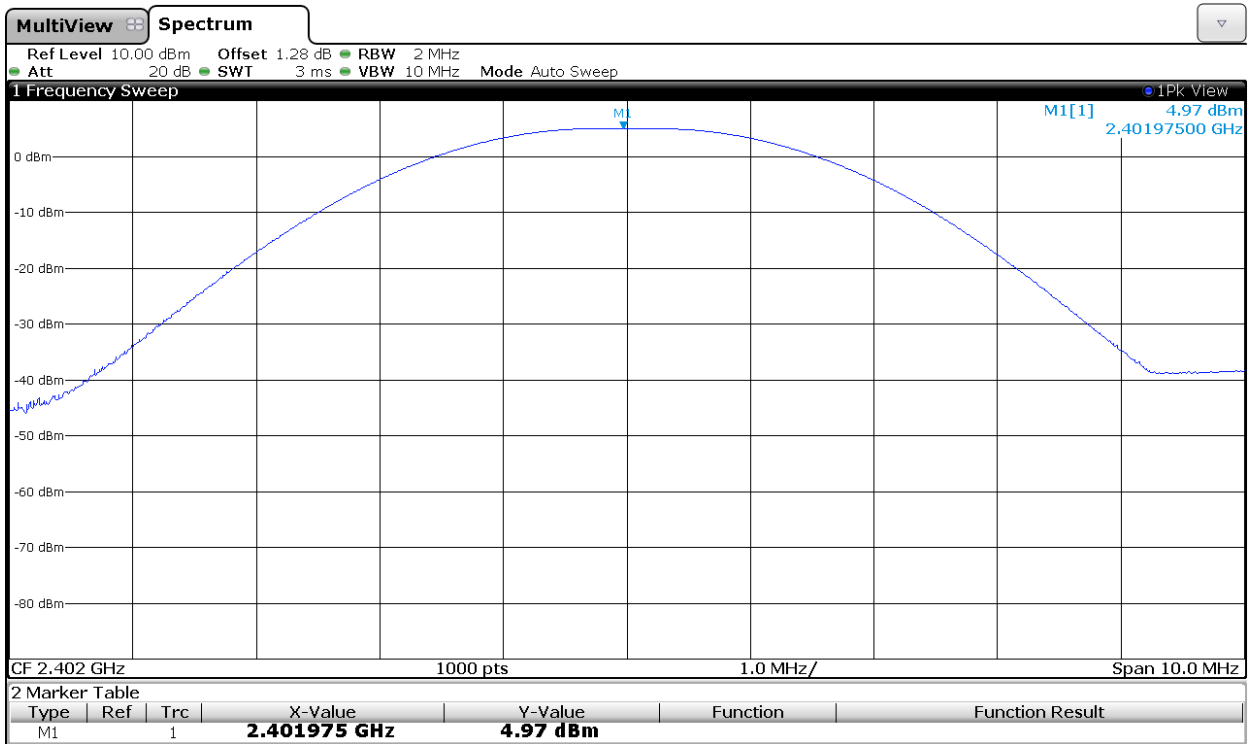
	Lowest frequency 2402 MHz	Middle frequency 2440 MHz	Highest frequency 2480 MHz
Maximum conducted power (dBm)	4.97	5.14	5.42
Maximum EIRP power (dBm)	8.21	8.38	8.66
Measurement uncertainty (dB)	±1.5		

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.

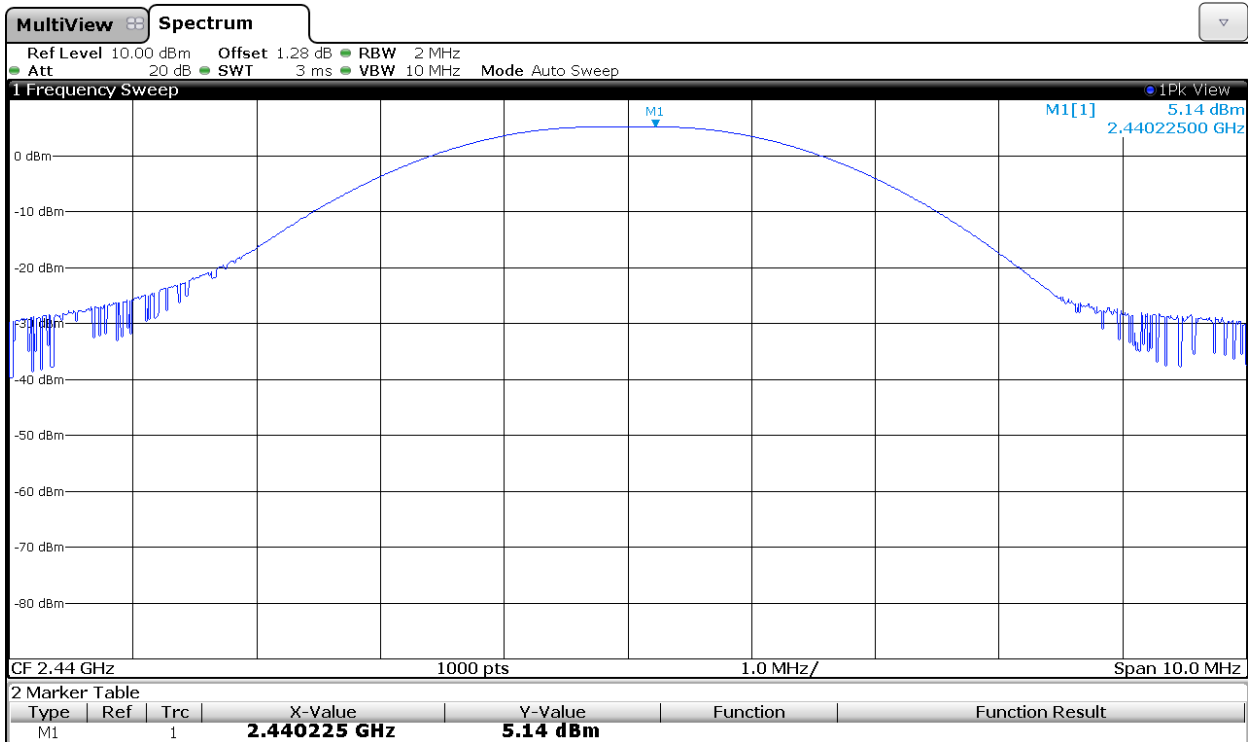
Verdict: PASS

CONDUCTED PEAK POWER.

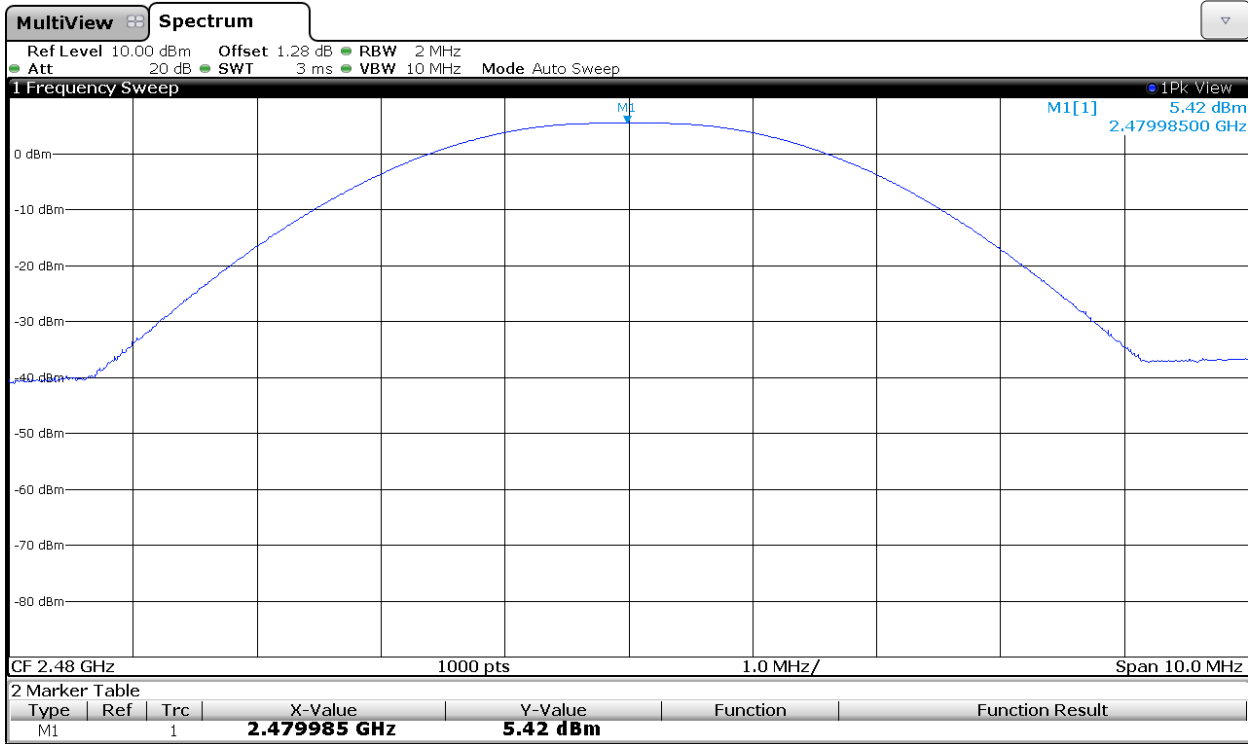
Lowest frequency



Middle frequency



Highest frequency



Section 15.247 Subclause (d) / RSS-210 A8.5. 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)	4.84	4.96	5.21
Measurement uncertainty (dB)	±1.5		

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.

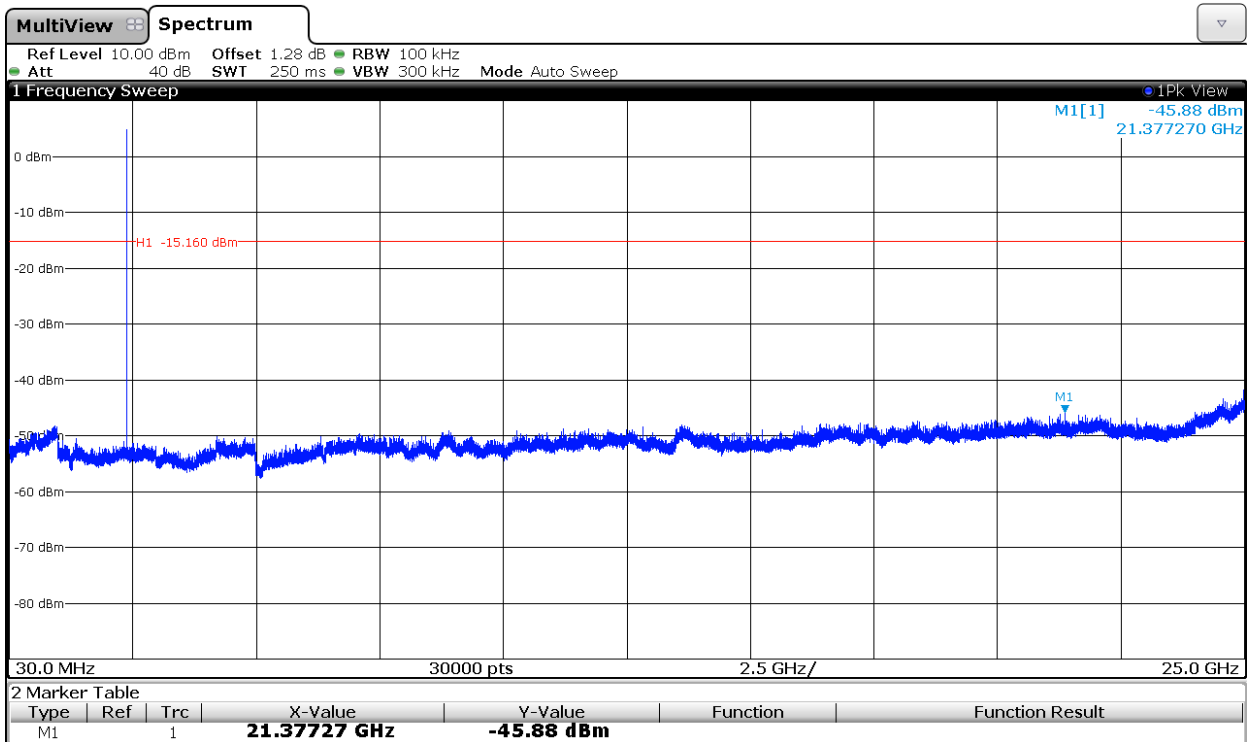
Highest frequency 2480 MHz

All peaks are more than 20 dB below the limit.

Verdict: PASS

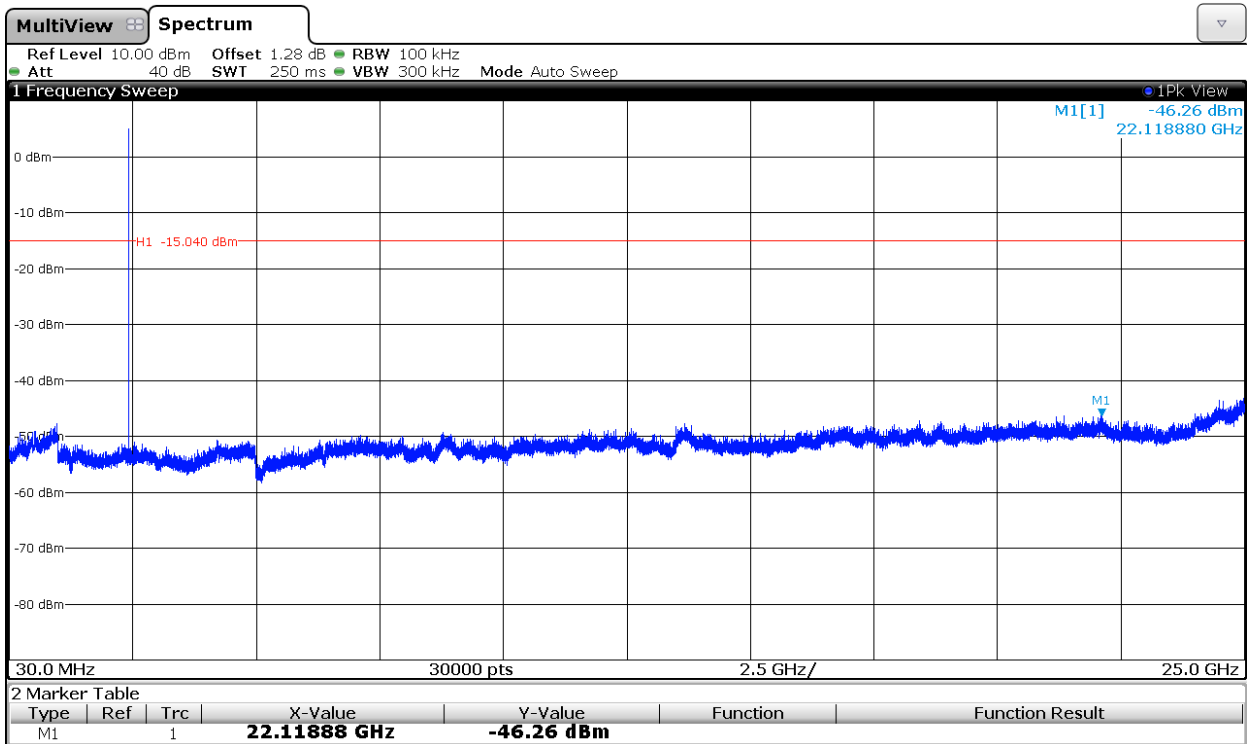
Number of sweep points: 30,000.

Plot 30 MHz to 25 GHz CH LOW:



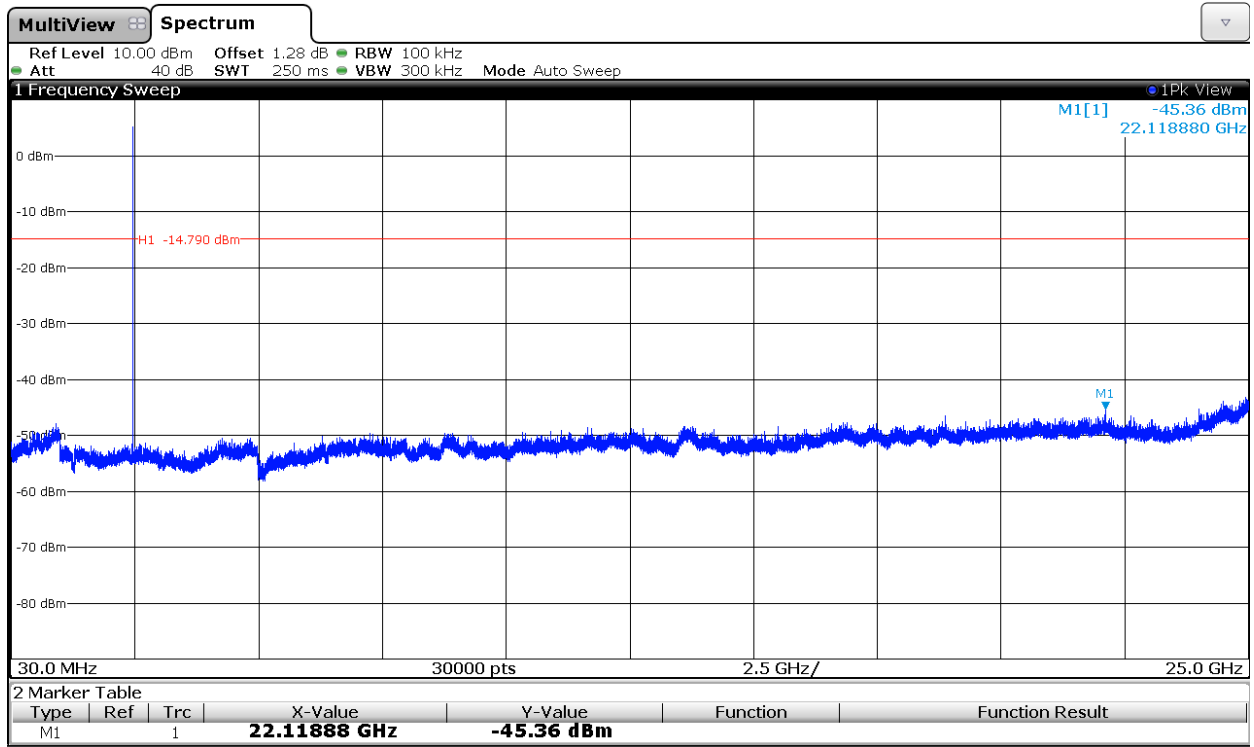
Note: The peak above the limit is the carrier frequency.

Plot 30 MHz to 25 GHz CH MIDDLE:



Note: The peak above the limit is the carrier frequency.

Plot 30 MHz to 25 GHz CH HIGH:



Note: The peak above the limit is the carrier frequency.

Section 15.247 Subclause (d) / RSS-210 A8.5. Band-edge emissions compliance (Transmitter)

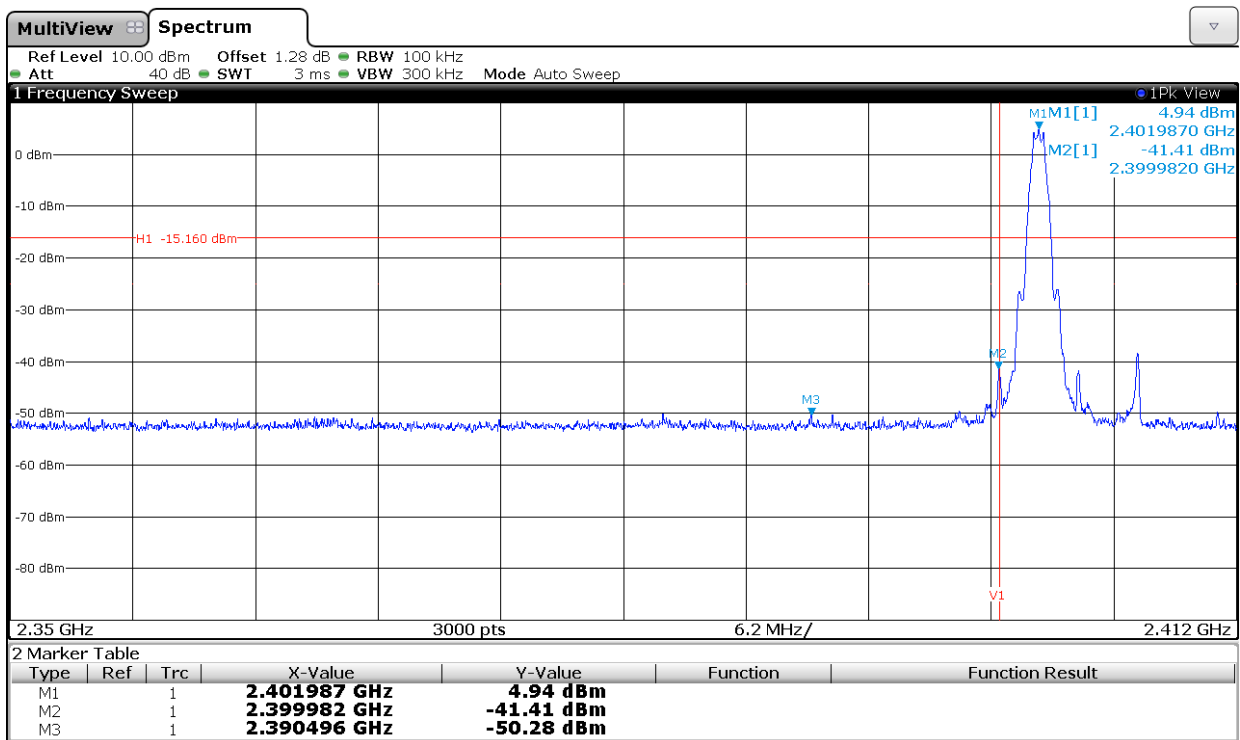
SPECIFICATION

Emissions outside the frequency band in which the intentional radiator is operating shall be at least 20dB below 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:

1. LOW FREQUENCY SECTION. CONDUCTED.

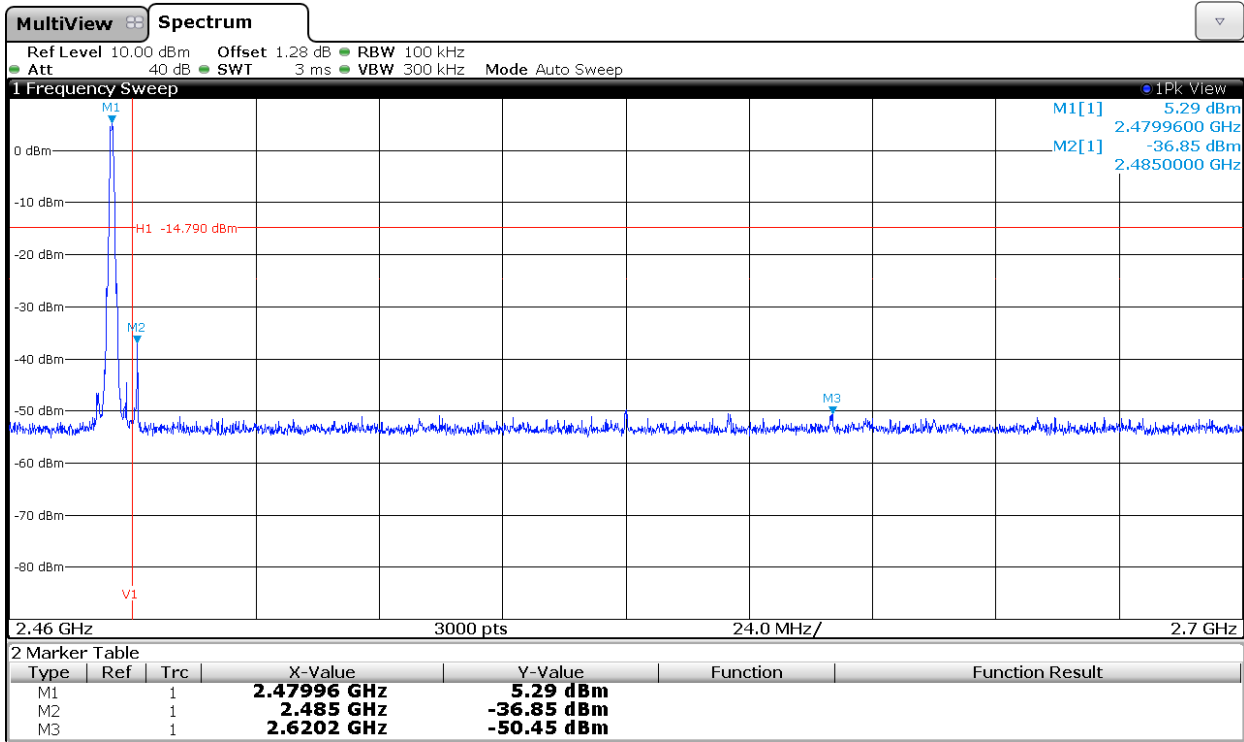
See next plot.



Verdict: PASS

2. HIGH FREQUENCY SECTION. CONDUCTED.

See next plot.



Verdict: PASS

Section 15.247 Subclause (e) / RSS-210 A8.5. 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 v03r02 dated 05/06/2014.

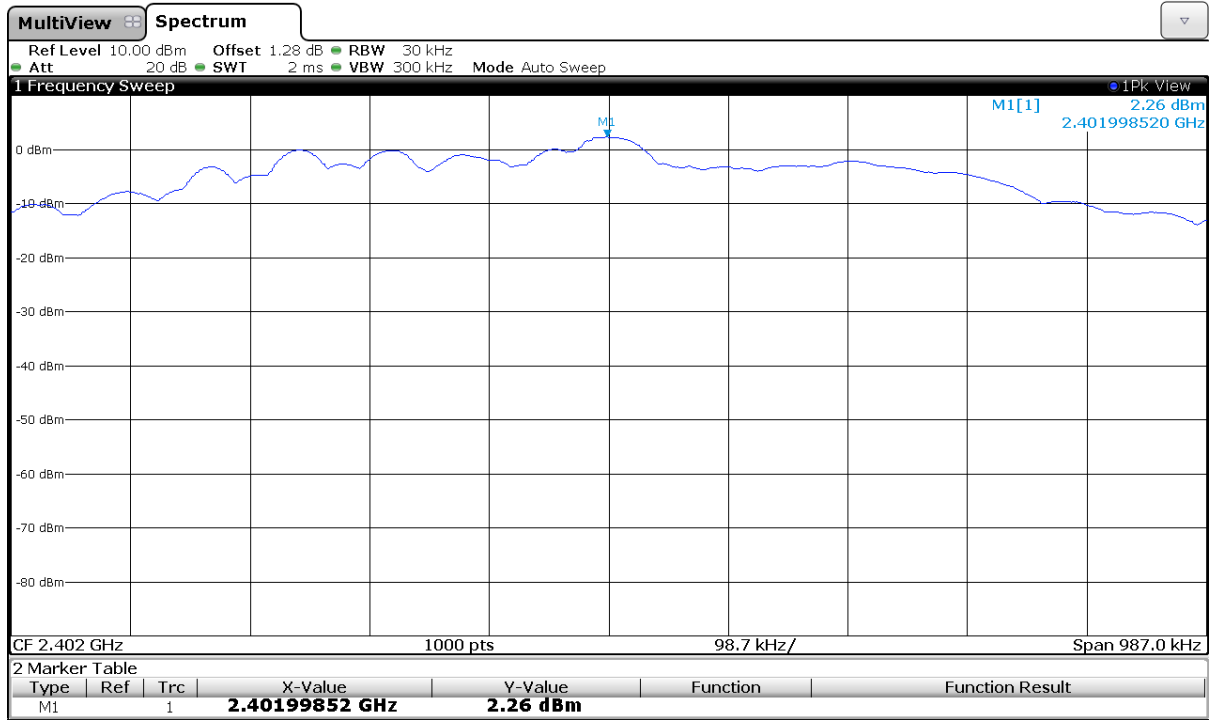
Power spectral density (see next plots).

	Lowest frequency 2402 MHz	Middle frequency 2440 MHz	Highest frequency 2480 MHz
Power spectral density (dBm)	2.26	2.43	2.65
Measurement uncertainty (dB)	±1.5		

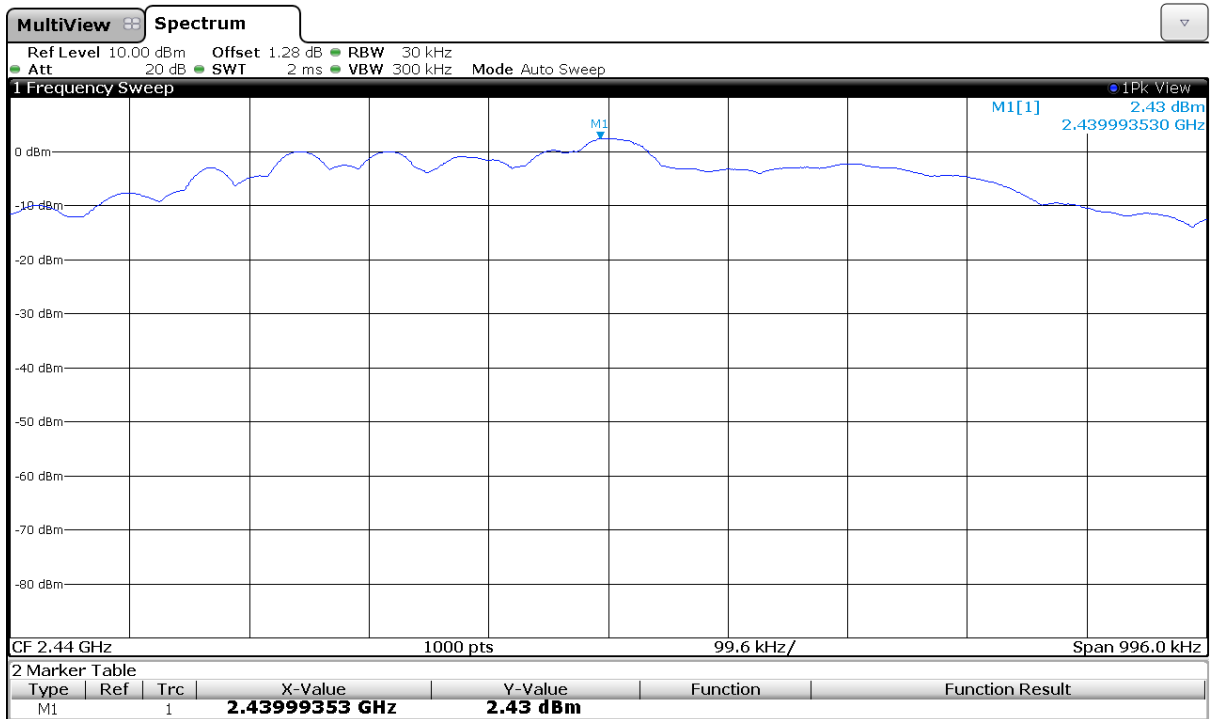
Verdict: PASS

Power spectral density.

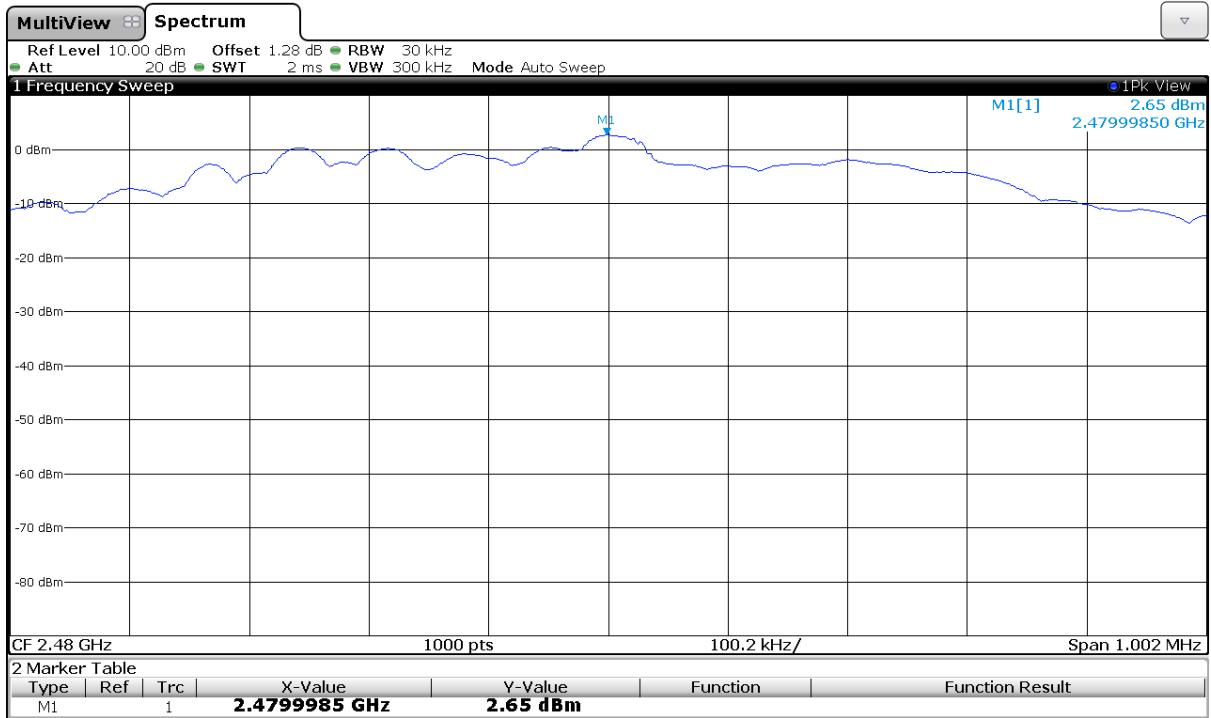
Lowest Channel



Middle Channel



Highest Channel



Section 15.247 Subclause (d) / RSS-210 A8.5. 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)):

Frequency Range (MHz)	Field strength (μV/m)	Field strength (dBμV/m)	Measurement distance (m)
0.009-0.490	2400/F(kHz)	-	300
0.490-1.705	24000/F(kHz)	-	300
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.

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.

The equipment transmits continuously in the selected channel so it is not necessary a duty cycle correction factor.

Frequency range 30 MHz-1000 MHz.

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

Spurious levels closest to the limit.

Spurious frequency (MHz)	Polarization	Detector	Emission Level (dBµV/m)	Measurement Uncertainty (dB)
329.924	V	Quasi-peak	28.47	±4.12
489.974	V	Quasi-peak	29.90	±4.12
549.920	V	Quasi-peak	28.67	±4.12
590.078	V	Quasi-peak	29.43	±4.12

Frequency range 1 GHz-25 GHz

The results in the next tables show the maximum measured levels in the 1-25 GHz range including the restricted bands 2.31-2.39 GHz and 2.4835-2.5 GHz (see next plots).

Spurious signals with peak levels above the average limit (54 dBµV/m at 3 m) are measured with RMS detector for checking compliance with the average limit.

1. CHANNEL: LOWEST (2402 MHz).

Spurious frequency (GHz)	Polarization	Detector	Emission Level (dBµV/m)	Measurement Uncertainty (dB)
2.379932	V	Peak	48.18	± 4.00
2.495595	V	Peak	48.62	± 4.00
3.088250	V	Peak	32.59	± 4.00
4.804250	V	Peak	35.04	± 4.00
7.210202	V	Peak	42.56	± 4.00
14.405750	V	Peak	54.09	± 4.00
		RMS	44.08	± 4.00

2. CHANNEL: MIDDLE (2440 MHz).

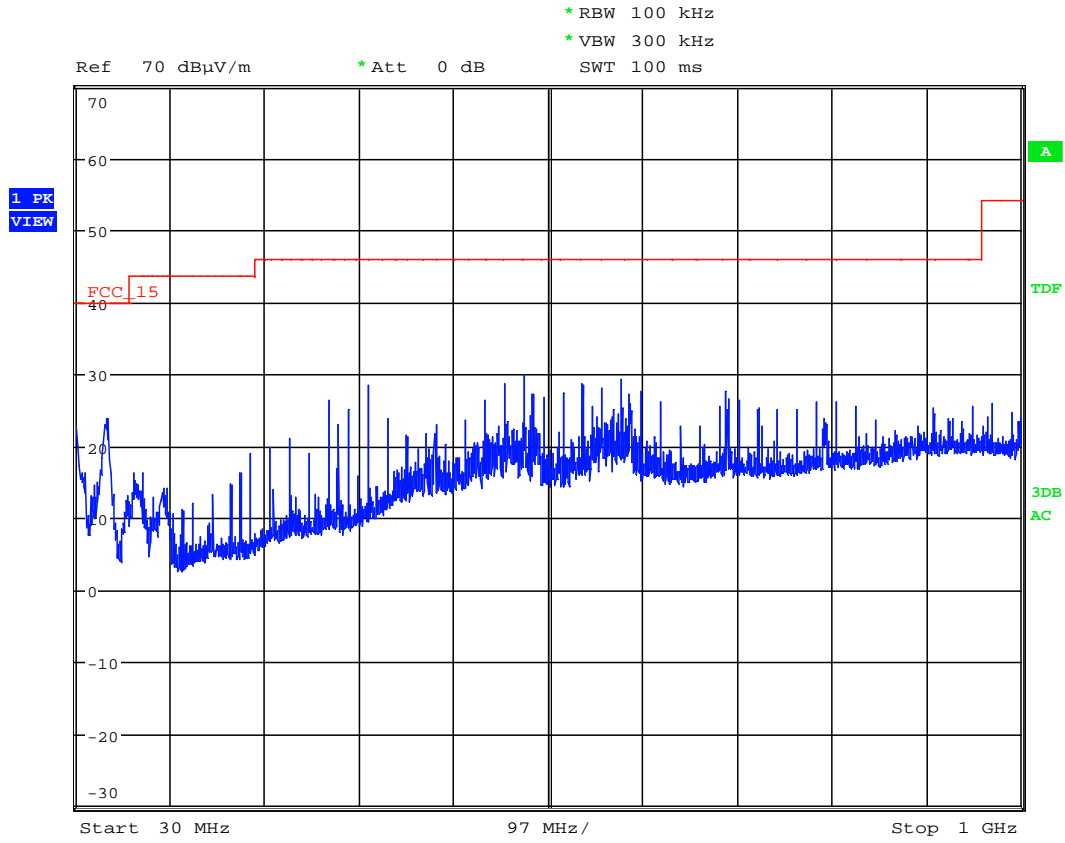
Spurious frequency (GHz)	Polarization	Detector	Emission Level (dBµV/m)	Measurement Uncertainty (dB)
2.381580	H	Peak	48.12	± 4.00
2.496458	H	Peak	48.74	± 4.00
3.196750	V	Peak	34.76	± 4.00
4.880250	V	Peak	34.76	± 4.00
14.347750	V	Peak	53.52	± 4.00

3. CHANNEL: HIGHEST (2480 MHz).

Spurious frequency (GHz)	Polarization	Detector	Emission Level (dB μ V/m)	Measurement Uncertainty (dB)
1.249233	H	Peak	46.42	± 4.00
2.322084	H	Peak	47.73	± 4.00
2.484937	V	Peak	55.13	± 4.00
		RMS	45.39	± 4.00
3.188250	V	Peak	32.18	± 4.00
4.960250	V	Peak	35.18	± 4.00
14.400750	V	Peak	53.21	± 4.00

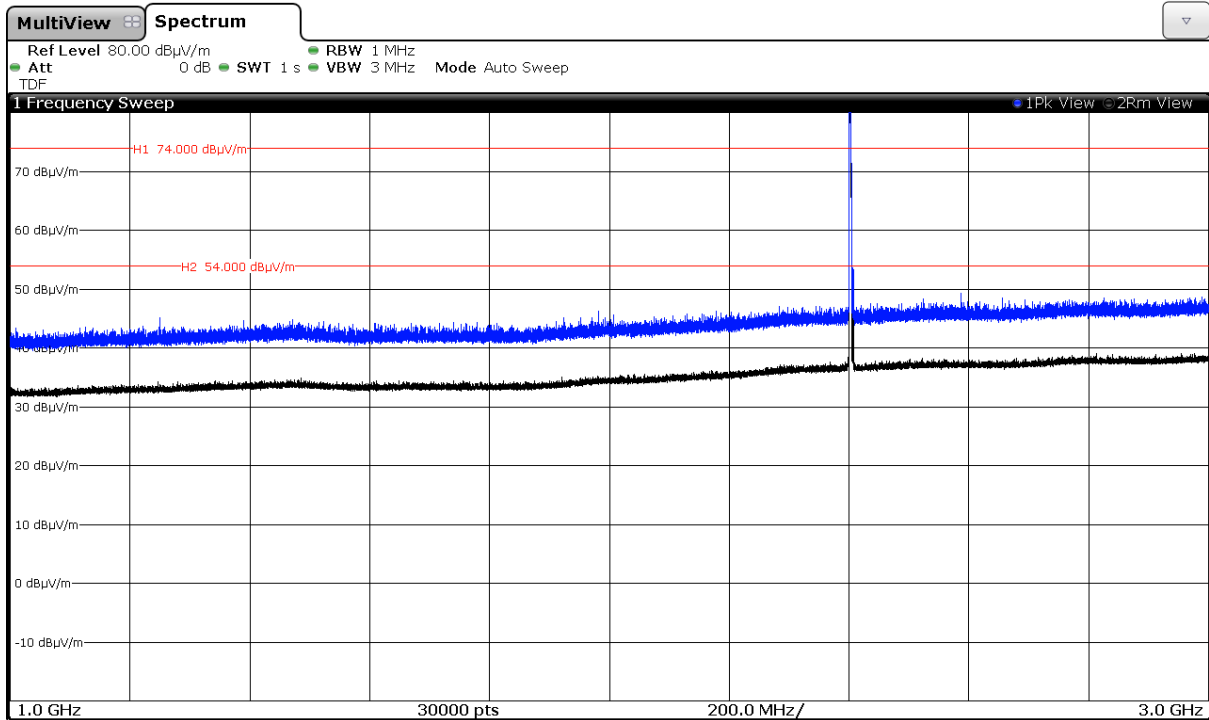
Verdict: PASS

FREQUENCY RANGE 30 MHz-1000 MHz.



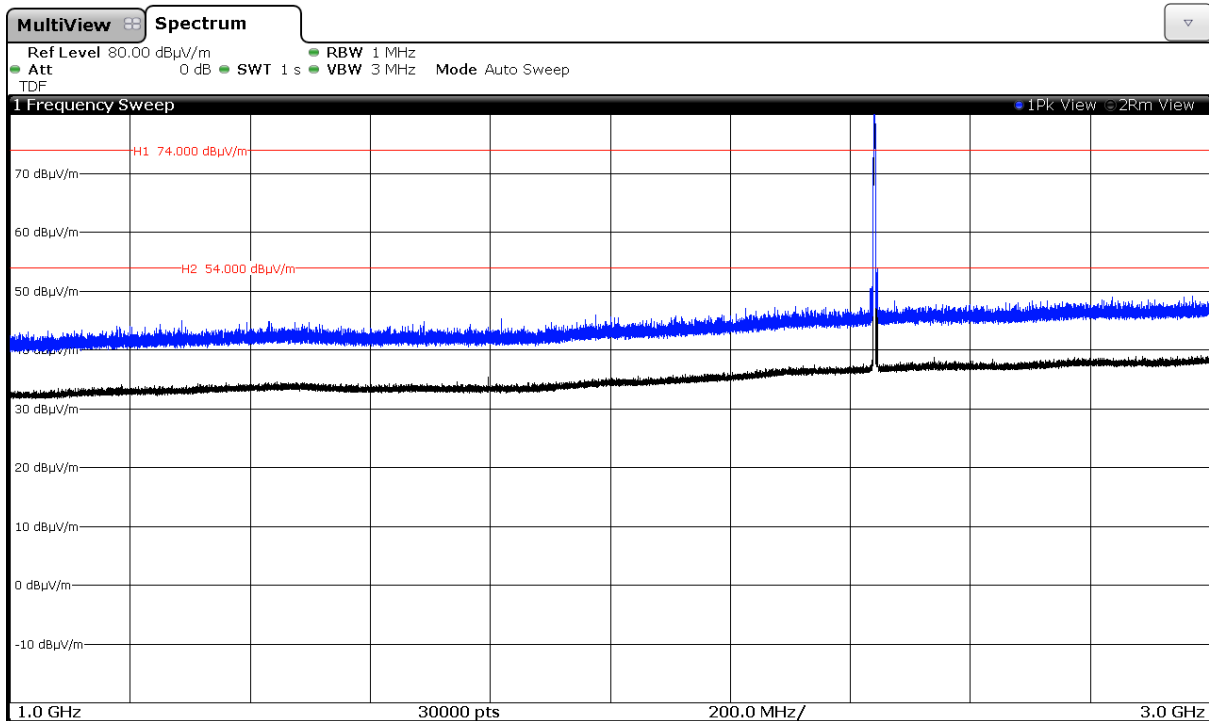
(This plot is valid for all three channels).

FREQUENCY RANGE 1 GHz to 3 GHz.
CHANNEL: Lowest (2402 MHz).



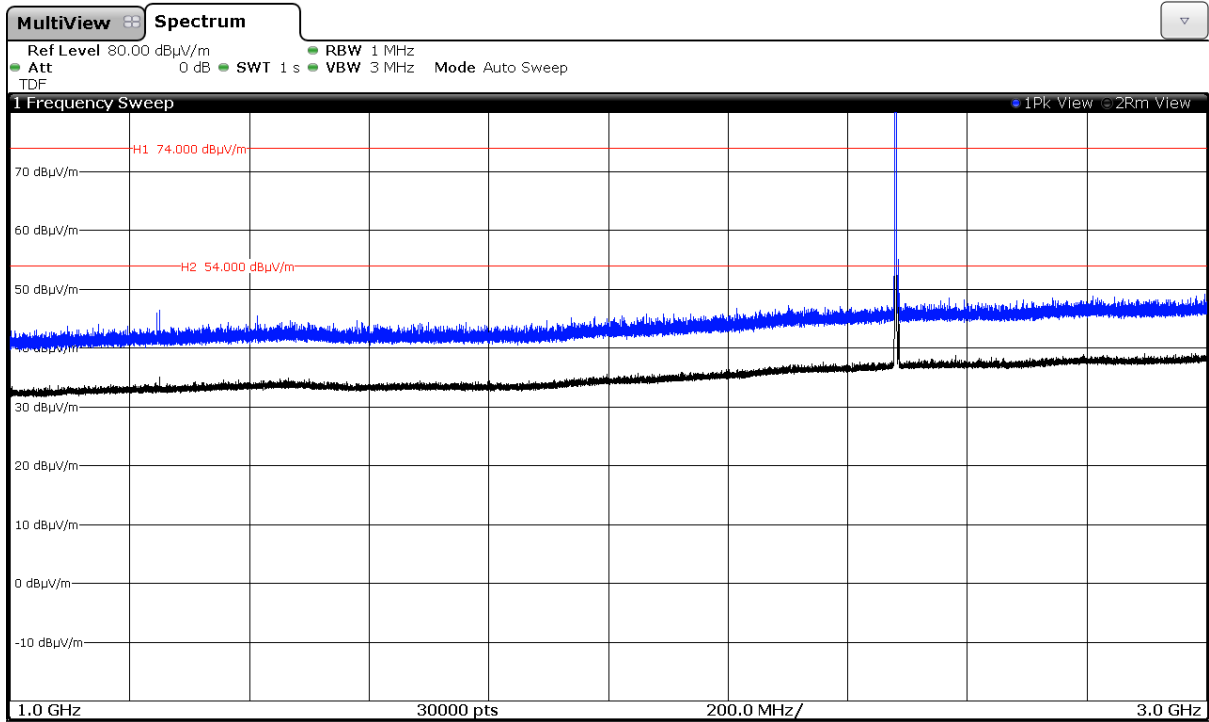
Note: The peak shown in the plot above the limit is the carrier frequency.

CHANNEL: Middle (2440 MHz).



Note: The peak shown in the plot above the limit is the carrier frequency.

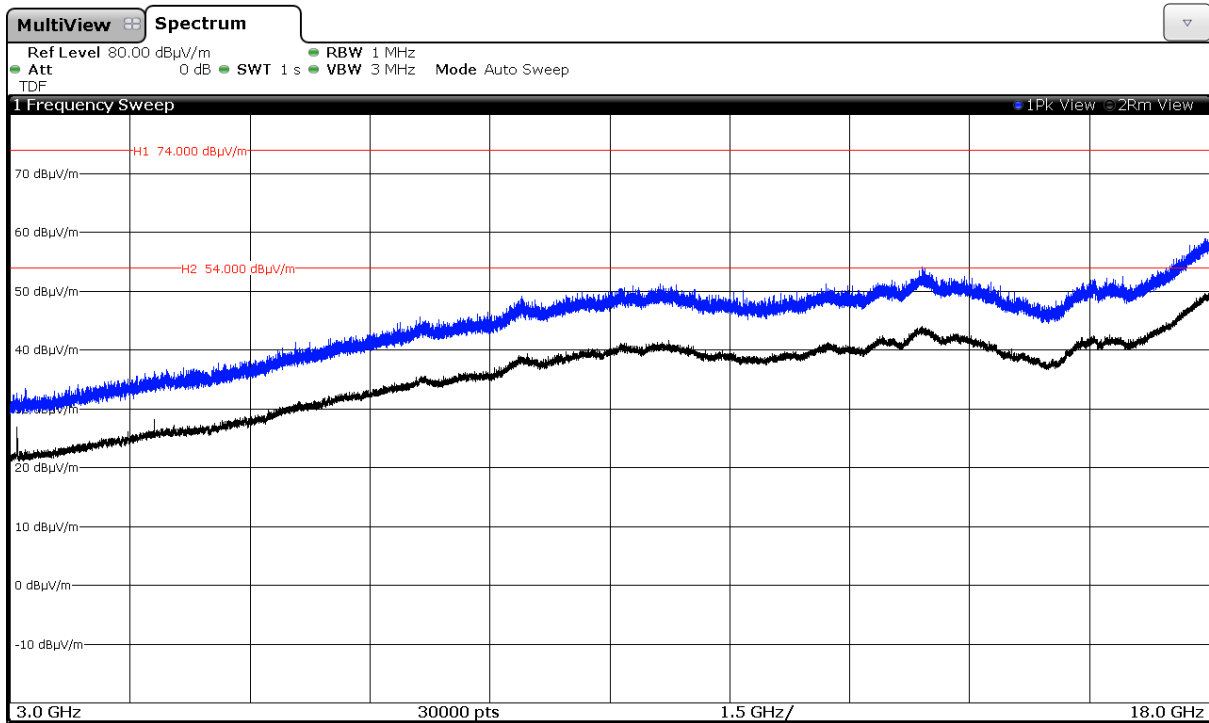
CHANNEL: Highest (2480 MHz).



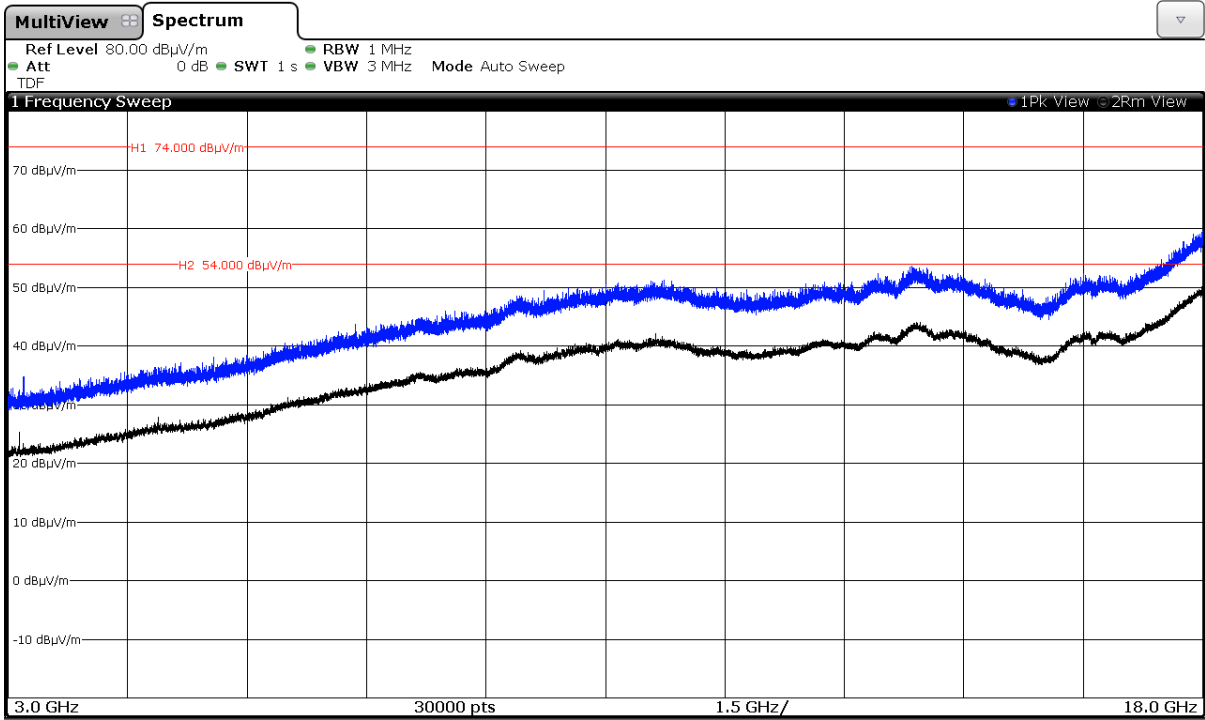
Note: The peak shown in the plot above the limit is the carrier frequency.

FREQUENCY RANGE 3 GHz to 18 GHz.

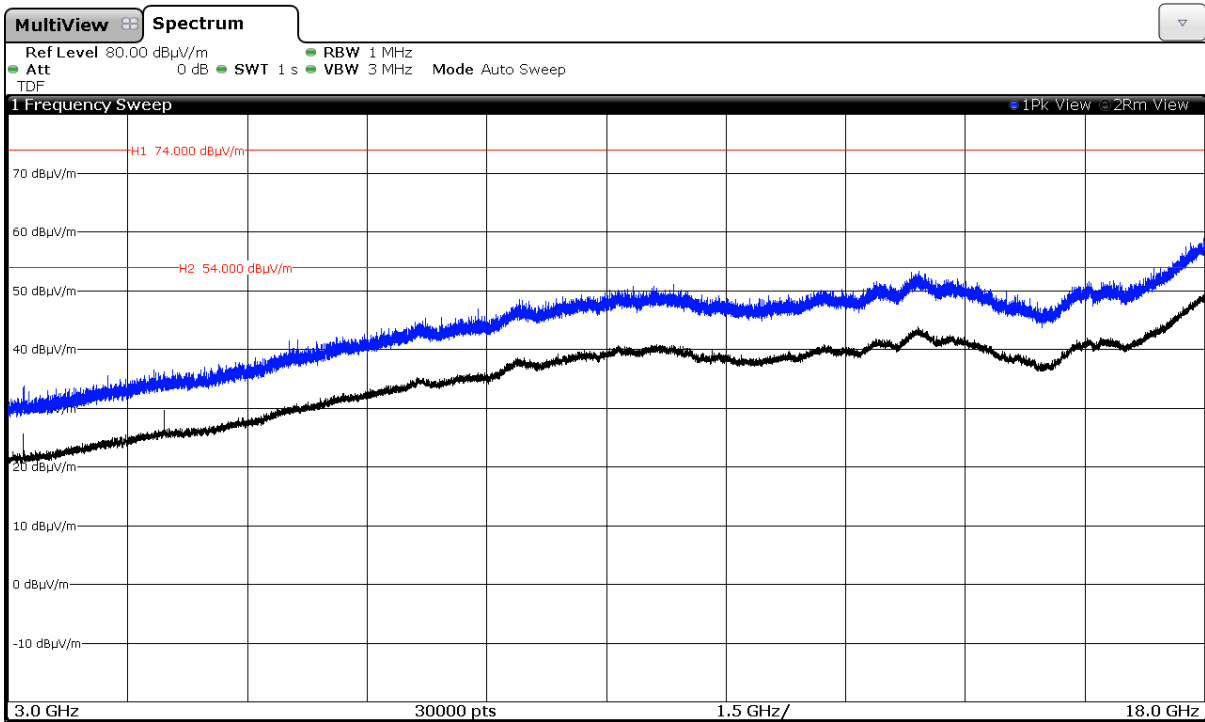
CHANNEL: Lowest (2402 MHz).



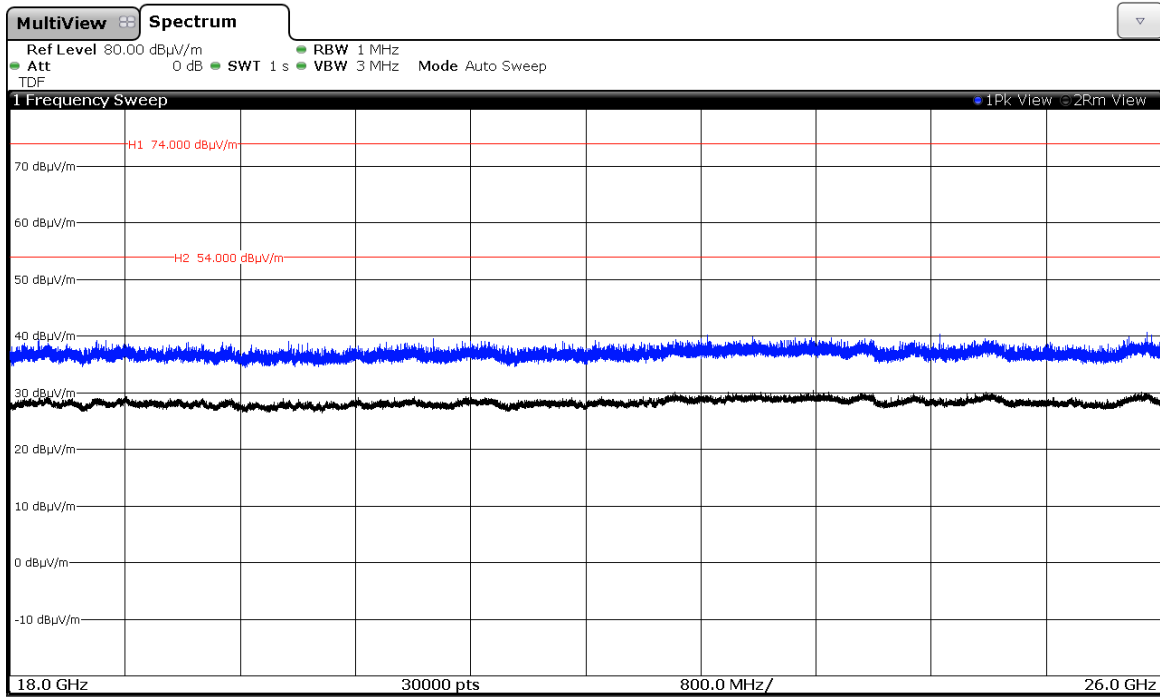
CHANNEL: Middle (2440 MHz).



CHANNEL: Highest (2480 MHz).



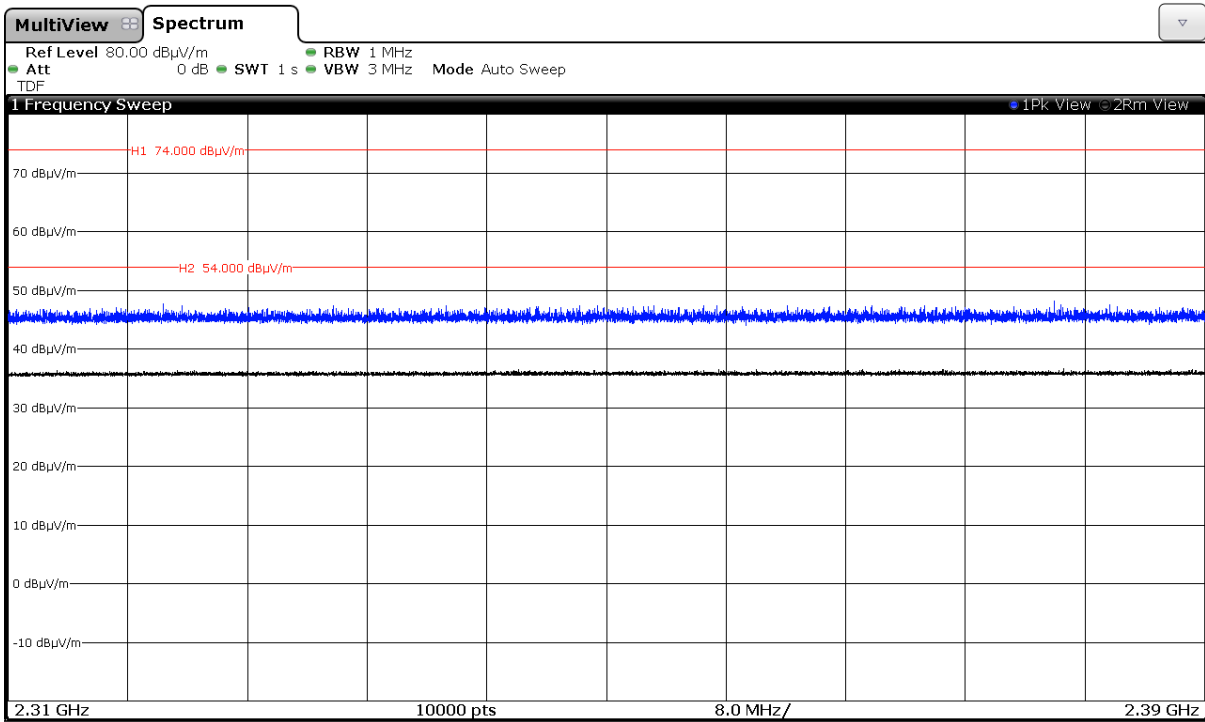
FREQUENCY RANGE 18 GHz to 26 GHz.



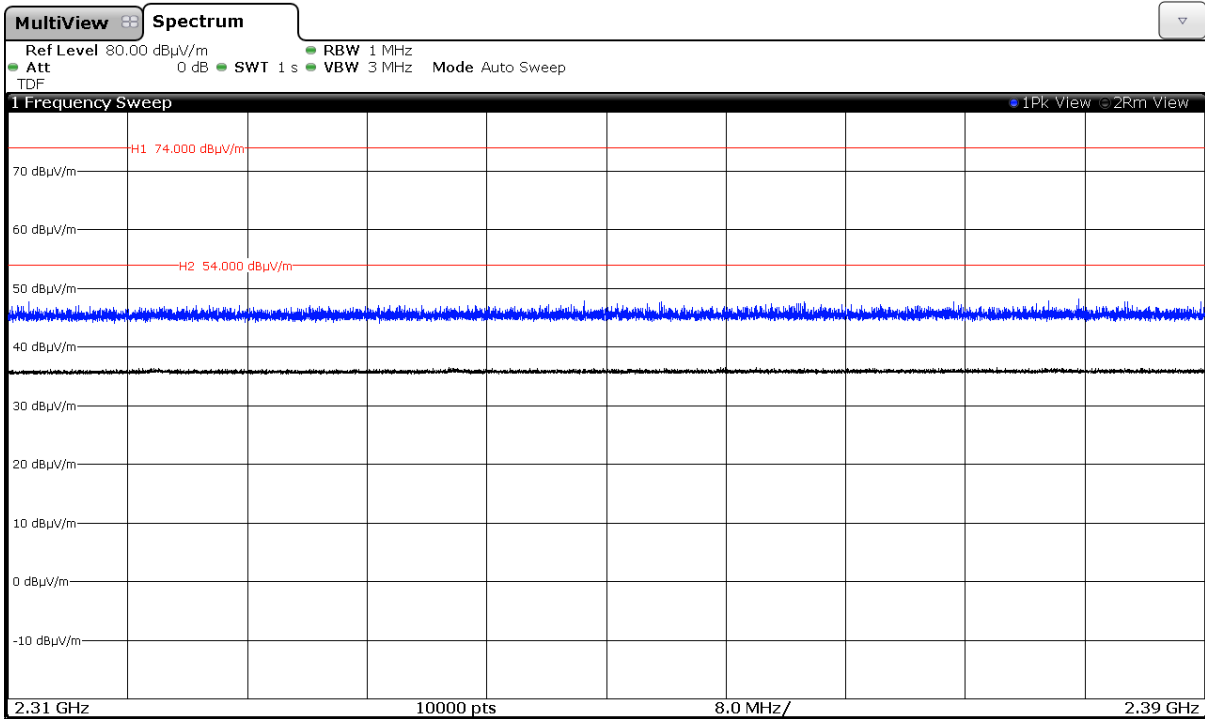
(This plot is valid for all three channels).

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

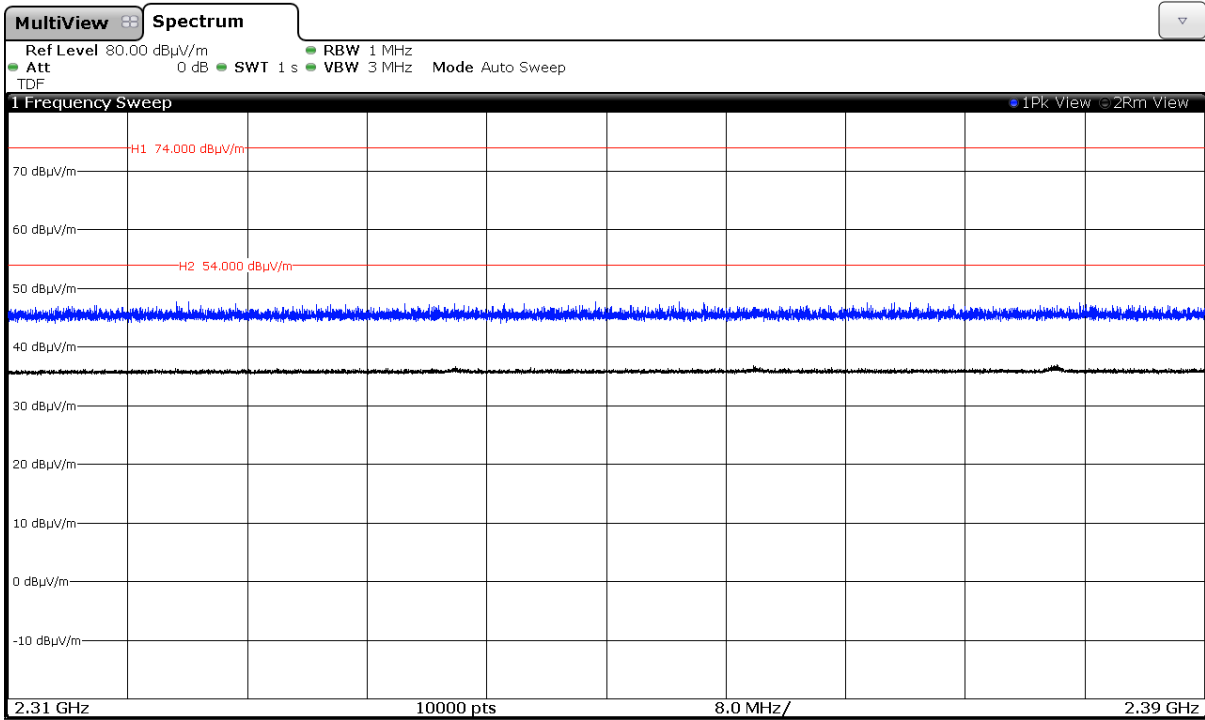
CHANNEL: Lowest (2402 MHz).



CHANNEL: Middle (2440 MHz).

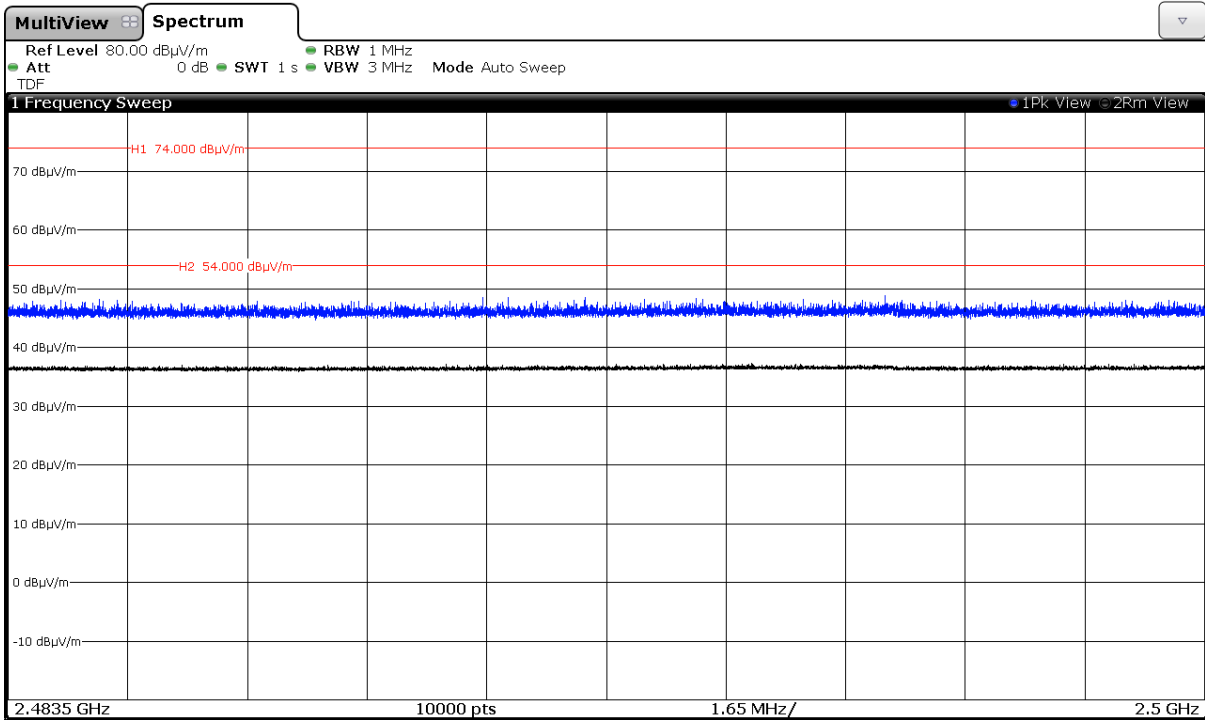


CHANNEL: Highest (2480 MHz).

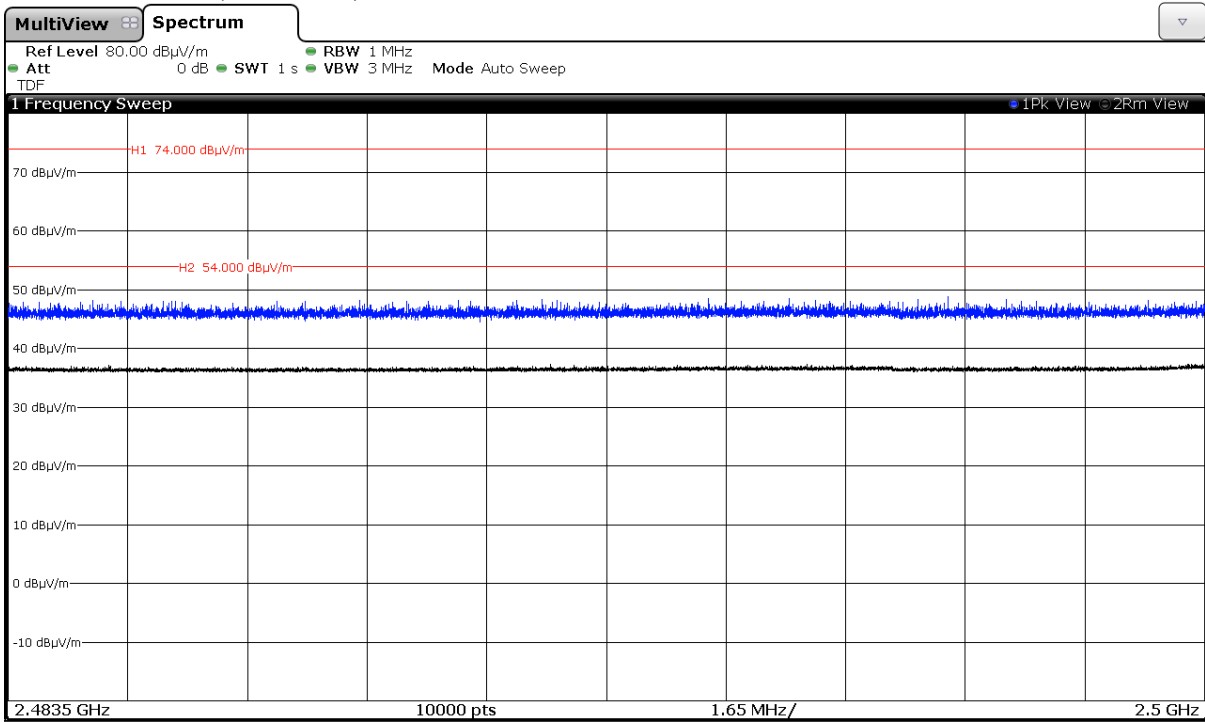


FREQUENCY RANGE 2.4835 GHz to 2.5 GHz. (RESTRICTED BAND)

CHANNEL: Lowest (2402 MHz).



CHANNEL: Middle (2440 MHz).



CHANNEL: Highest (2480 MHz).

