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VAT ATU63240488  
DVR 3002476  
UID ATU63240488  
DVR 3002476

## TEST REPORT

of the accredited test laboratory

TÜV Nr.: M/FG-16/136

**Applicant:** StreamUnlimited Engineering GmbH  
High Tech Campus Vienna  
Gutheil-Schoder-Gasse 10  
A-1100 Vienna

**Tested Product:** STREAM810 Bluetooth / BLE / WIFI streaming module  
Test report for Bluetooth part only

**FCC-ID:** 2AJYB-S810

**IC-ID:** 20504-S810

**Manufacturer:** See applicant

**Output power / field strength:** 38,9 mW cond.      **power supply:** 5 VDC

**Frequency range:** 5180 - 5825 MHz      **Channel separation:** 20 MHz

**Standard:** FCC: 47 CFR Part 15 (October 1, 2015 edition)  
RSS-247 Issue 1, May 2015; including modifications and clarifications in CB Notice 2015-07

**TUV Austria Services GmbH**  
**Test laboratory for EMC**

Supervisor of EMC-laboratory:

Ing. Wilhelm Seier



19.12.2016

Copy Nbr.: 01

checked by:

Ing. Michael Emminger

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The results of this test report only refer to the provided equipment.

## LIST OF MEASUREMENTS

The complete list of measurements called for in 47 CFR 15 and RSS-247 is given below.

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## TEST OBJECT DATA

### General EUT Description

This Bluetooth / BLE / WIFI module is using either 2.4 GHz frequencies or 5 GHz (WIFI only). This test report is only for the 5 GHz WIFI part. See additional test reports:

M/FG-16/133 for Bluetooth

M/FG-16/134 for BLE and

M/FG-16/135 for 2,4 GHz WIFI measurement results.

### 2.1033 (c) Technical description

#### 2.1033 (4) Type of emission:

802.11 standards – Channel bandwidths 20 MHz, 40 MHz (aggregation of 2 non-overlapping 20 MHz OFDM channels) or 80 MHz (aggregation of 4 non-overlapping 20 MHz OFDM channels) – Channel spacing 20 / 40 / 80 MHz respectively.

#### 2.1033 (5) Frequency range:

5180 till 5240 MHz; 5260 till 5320 MHz; 5500 till 5700 MHz and 5745 till 5825 MHz (channel center frequencies) in 20 MHz steps resulting in 24 Channels of 20 MHz bandwidth  
5190 till 5230 MHz; 5270 till 5310 MHz; 5510 till 5670 MHz and 5755 till 5795 MHz (channel center frequencies) in 40 MHz steps resulting in 11 Channels of 40 MHz bandwidth  
5210 / 5290 / 5530 / 5690 / 5775 MHz (channel center frequencies with 80 MHz channel bandwidth) giving a total number of five 80MHz-Channels

2.1033 (6) Power range and Controls: The maximum peak output power is 38,9 mW and there is no power regulation.

2.1033 (7) Maximum output power rating: 38,9 mW.

2.1033 (8) DC Voltage and Current: 5 V DC

maximum current consumption: 300 mA)

RSS-135 This standard does not apply to:

- 1.1.(a) a receiver that scans radio frequencies for the purpose of enabling its associated transmitter to avoid transmitting in an occupied frequency but which does not have the capability of decoding the message (e.g. converting it to audio voice) contained in the radio signal

Antennas used for all radiated measurements: 'STANDARD WLAN 1000391'

Tests were performed December 2<sup>nd</sup> till 14<sup>th</sup> 2016.

**Number of channels and channel spacing**      **§ 2.1033**

Conducted Measurement

Rated output power: 38,9 mW

There are 24 Channels used starting at 5170 till 5825 MHz (with gaps) each separated by 20 MHz channel spacing with a maximum bandwidth of 20 MHz.

Two channels spaced by 20 MHz can be used simultaneously to give a RF-Bandwidth of 40 MHz, resulting in 11 different channels with 40 MHz bandwidth and center frequencies of 5180 till 5795 MHz each separated by 40 MHz channel spacing.

4 channels spaced by 20 MHz can be used simultaneously to give a RF-Bandwidth of 80 MHz, resulting in 5 different channels with 80 MHz bandwidth and center frequencies of 5210 till 5775 MHz each separated by 80 MHz channel spacing.

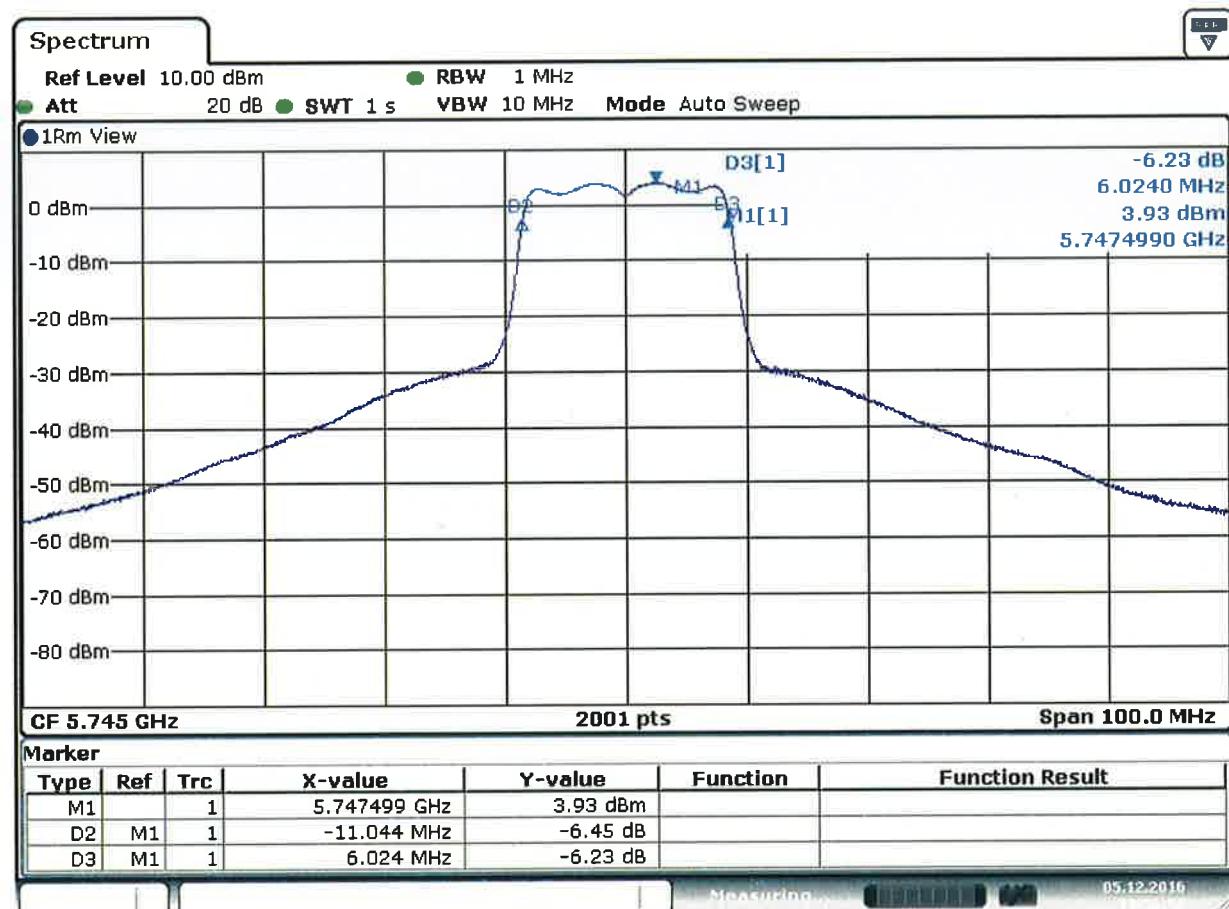
Test Equipment used: N/A

## 6dB Bandwidth

§ 15.407(e)  
6.2.4 (1)

### Conducted Measurement

Rated output power: 38,9 mW Channel 149 (5745 MHz center frequency) – Antenna 1



Date: 5.DEC.2016 13:56:52

6dB Bandwidth: 17,068 MHz

LIMIT SUBCLAUSE 15.407(e) – 6.2.4 (1)

Frequency range 5725 – 5850 MHz

6 dB Bandwidth at least 500 kHz

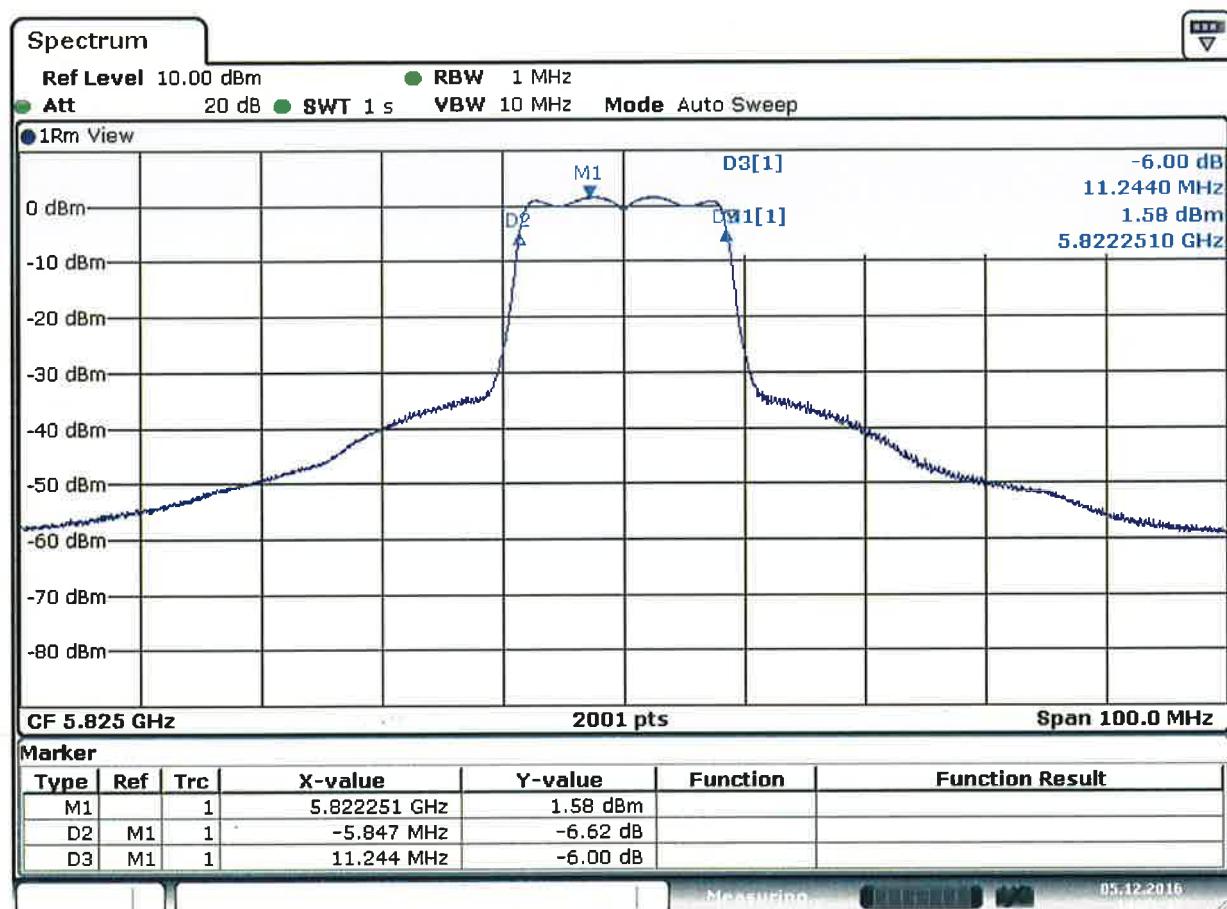
Test Equipment used: EMV-205

**6dB Bandwidth**

**§ 15.407(e)  
6.2.4 (1)**

**Conducted Measurement**

Rated output power: 38,9 mW Channel 165 (5825 MHz center frequency) – Antenna 1



Date: 5 DEC 2016 14:01:38

6dB Bandwidth: 17,091 MHz

**LIMIT** **SUBCLAUSE 15.407(e) – 6.2.4 (1)**

Frequency range 5725 – 5850 MHz

6 dB Bandwidth at least 500 kHz

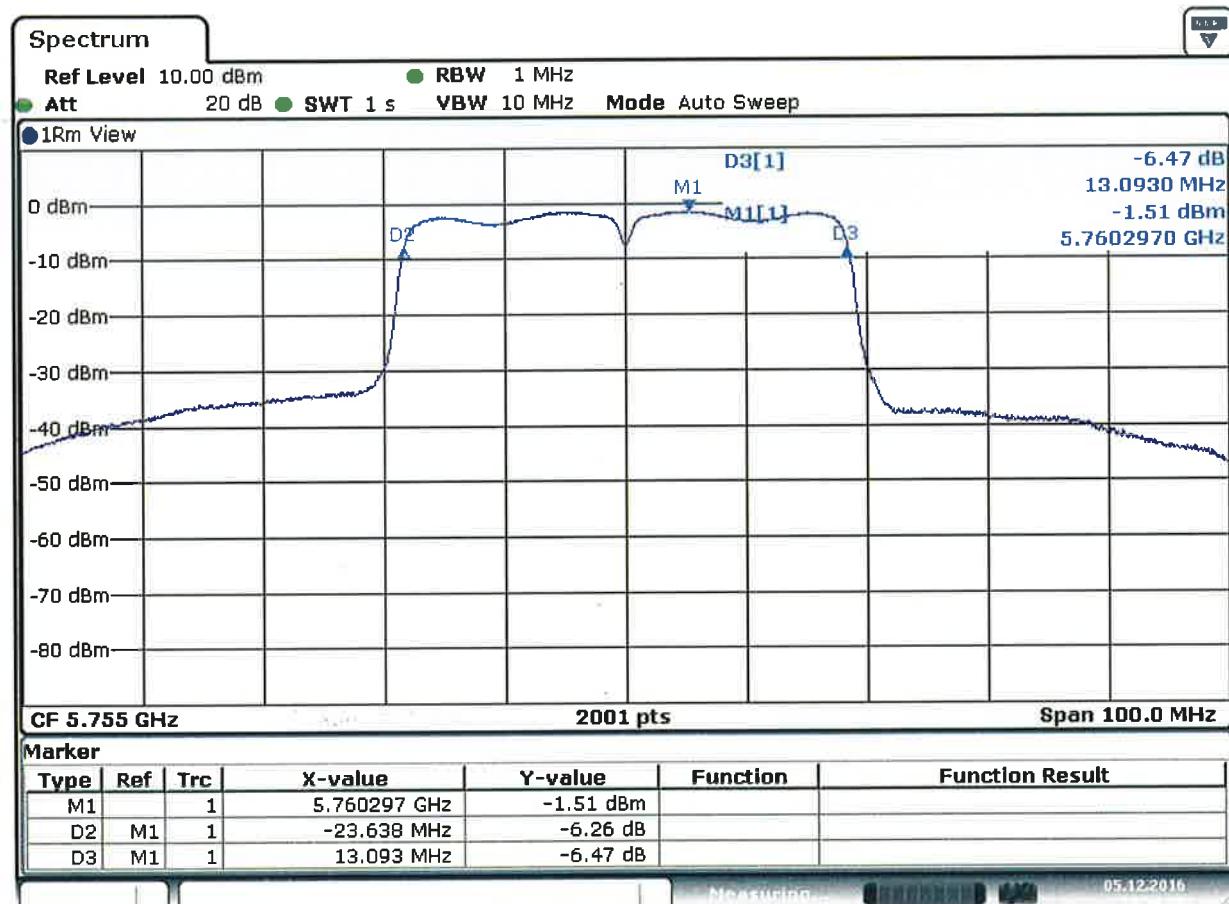
Test Equipment used: EMV-205

**6dB Bandwidth**

**§ 15.407(e)**  
**6.2.4 (1)**

**Conducted Measurement**

Rated output power: 38,9 mW Channel 149-153 (5755 MHz center frequency) – Antenna 1



Date: 5.DEC.2016 14:59:21

6dB Bandwidth: 36,731 MHz

**LIMIT** **SUBCLAUSE 15.407(e) – 6.2.4 (1)**

Frequency range 5725 – 5850 MHz

6 dB Bandwidth at least 500 kHz

Test Equipment used: EMV-205

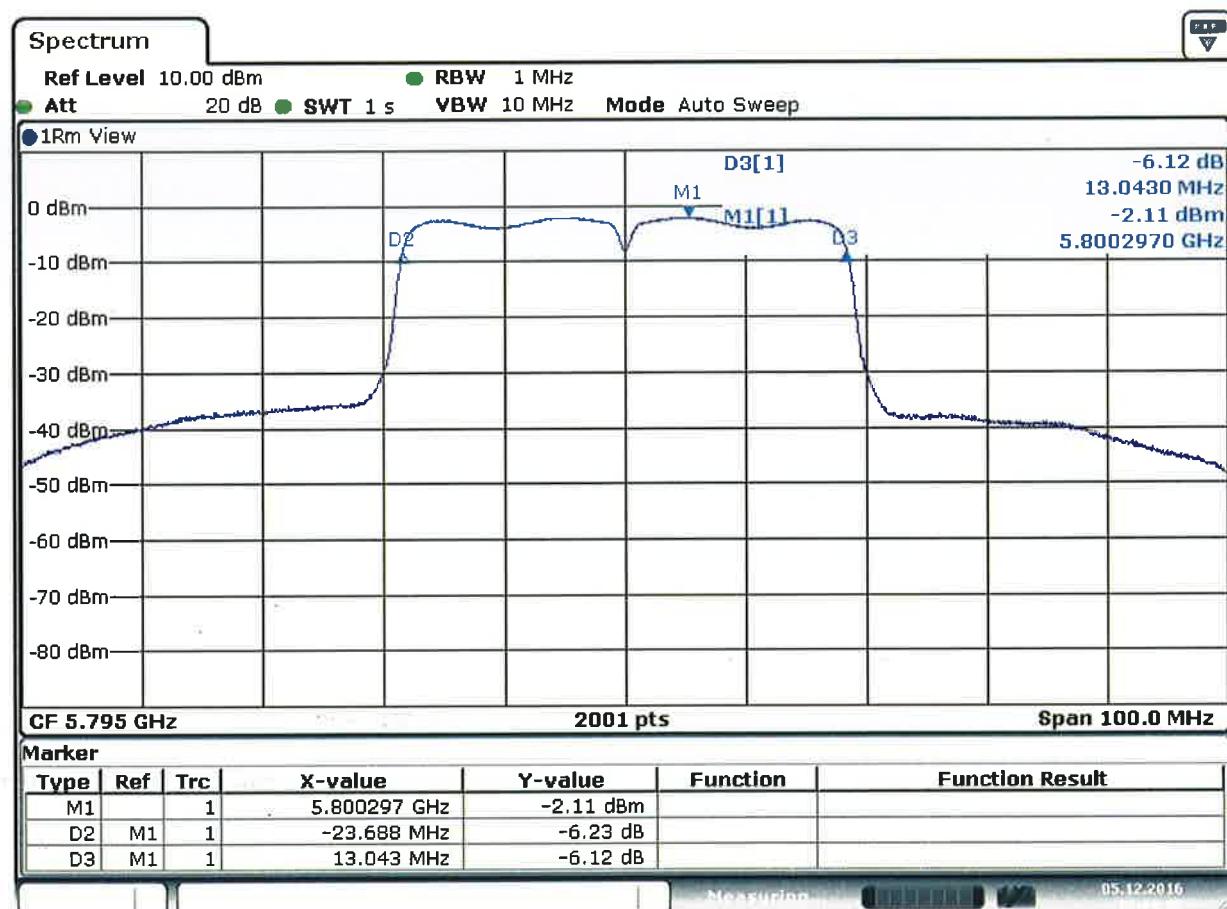
**6dB Bandwidth**

§ 15.407(e)

6.2.4 (1)

#### Conducted Measurement

Rated output power: 38,9 mW Channel 157-161 (5795 MHz center frequency) – Antenna 1



Date: 5 DEC 2016 15:04:09

6dB Bandwidth: 36,731 MHz

**LIMIT**                   **SUBCLAUSE 15.407(e) – 6.2.4 (1)**

Frequency range 5725 – 5850 MHz      6 dB Bandwidth at least 500 kHz

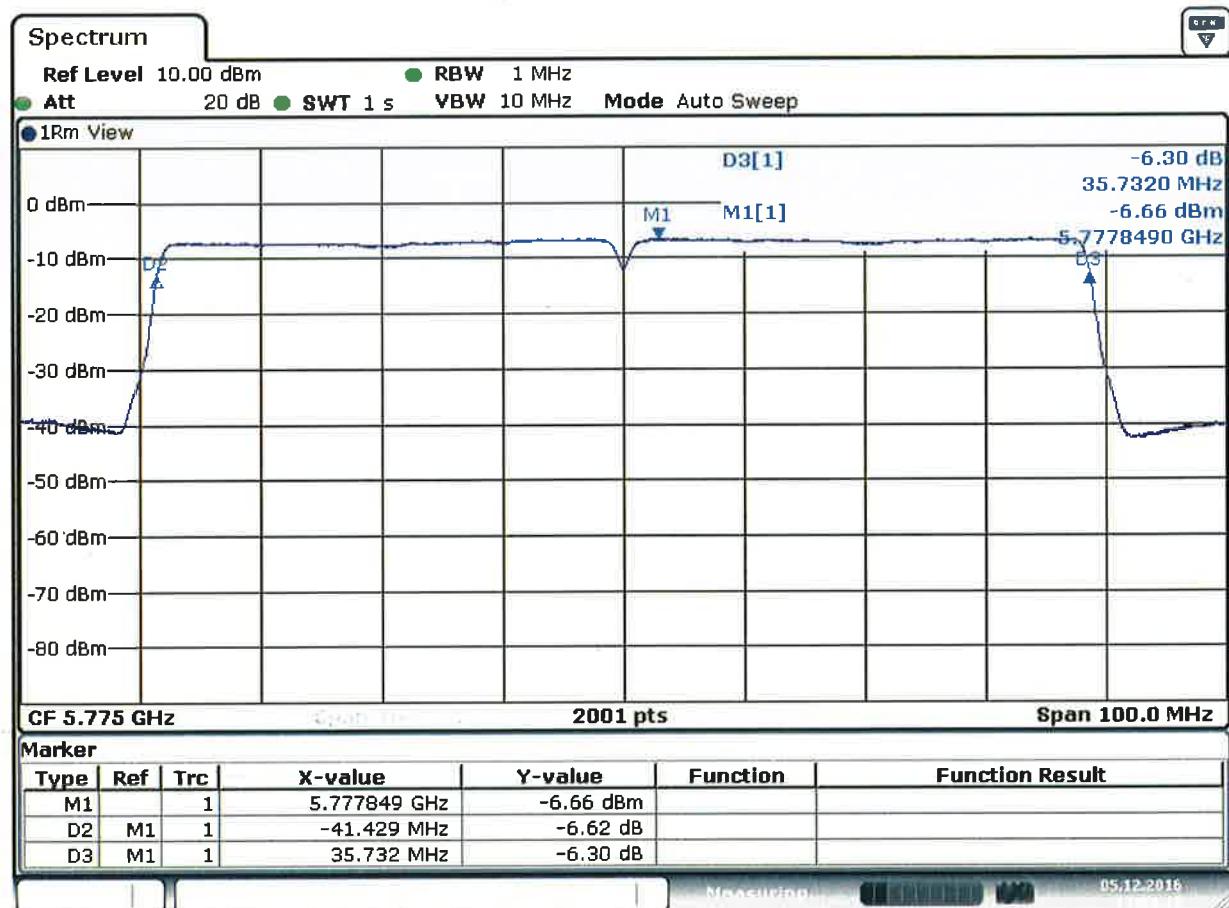
## Test Equipment used: EMV-205

### 6dB Bandwidth

§ 15.407(e)  
6.2.4 (1)

#### Conducted Measurement

Rated output power: 38,9 mW Channel 149-161 (5775 MHz center frequency) – Antenna 1



Date: 5 DEC 2016 15:09:11

6dB Bandwidth: 77,161 MHz

LIMIT SUBCLAUSE 15.407(e) – 6.2.4 (1)

Frequency range 5725 – 5850 MHz

6 dB Bandwidth at least 500 kHz

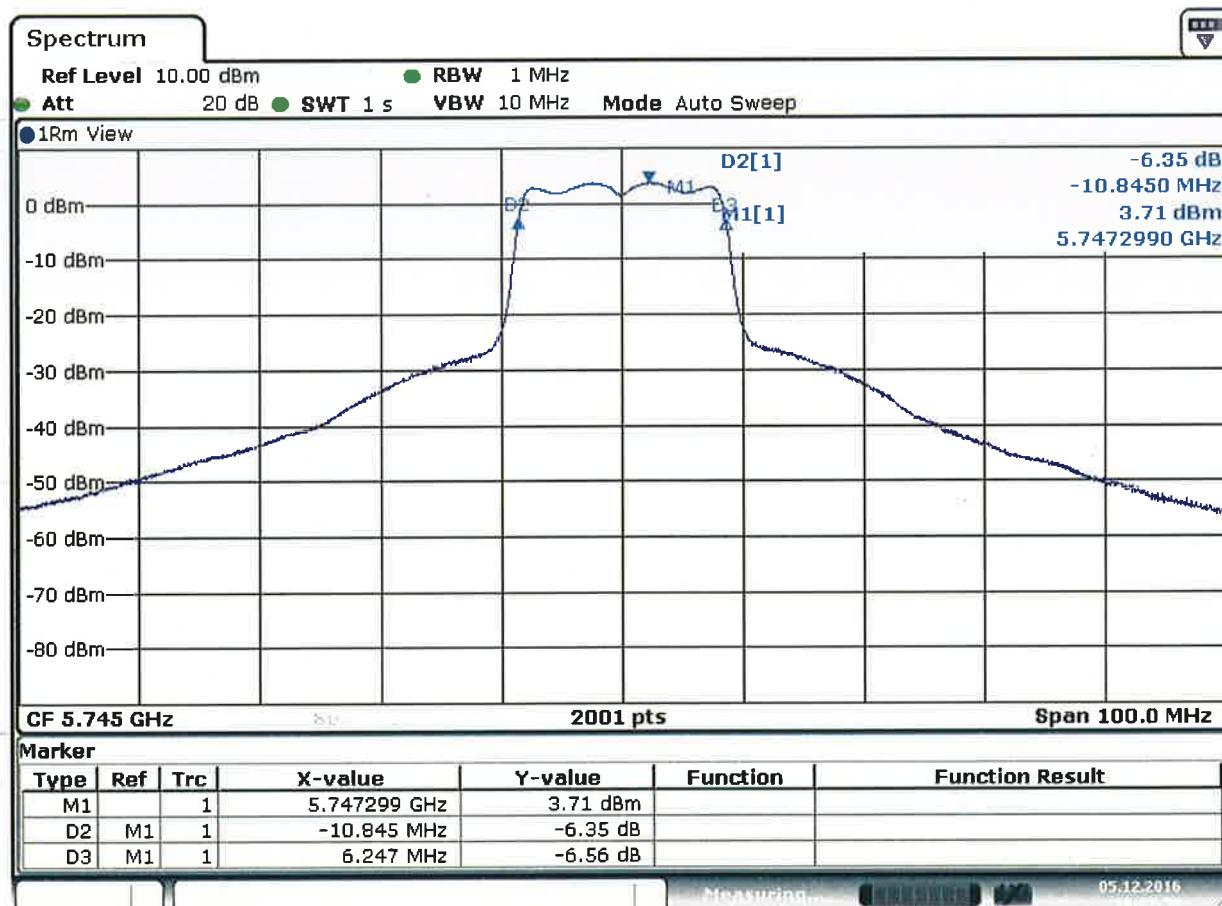
Test Equipment used: EMV-205

**6dB Bandwidth**

**§ 15.407(e)**  
**6.2.4 (1)**

**Conducted Measurement**

Rated output power: 38,9 mW Channel 149 (5745 MHz center frequency) – Antenna 2



Date: 5.DEC.2016 16:07:50

6dB Bandwidth: 17,092 MHz

**LIMIT** SUBCLAUSE 15.407(e) – 6.2.4 (1)

Frequency range 5725 – 5850 MHz

6 dB Bandwidth at least 500 kHz

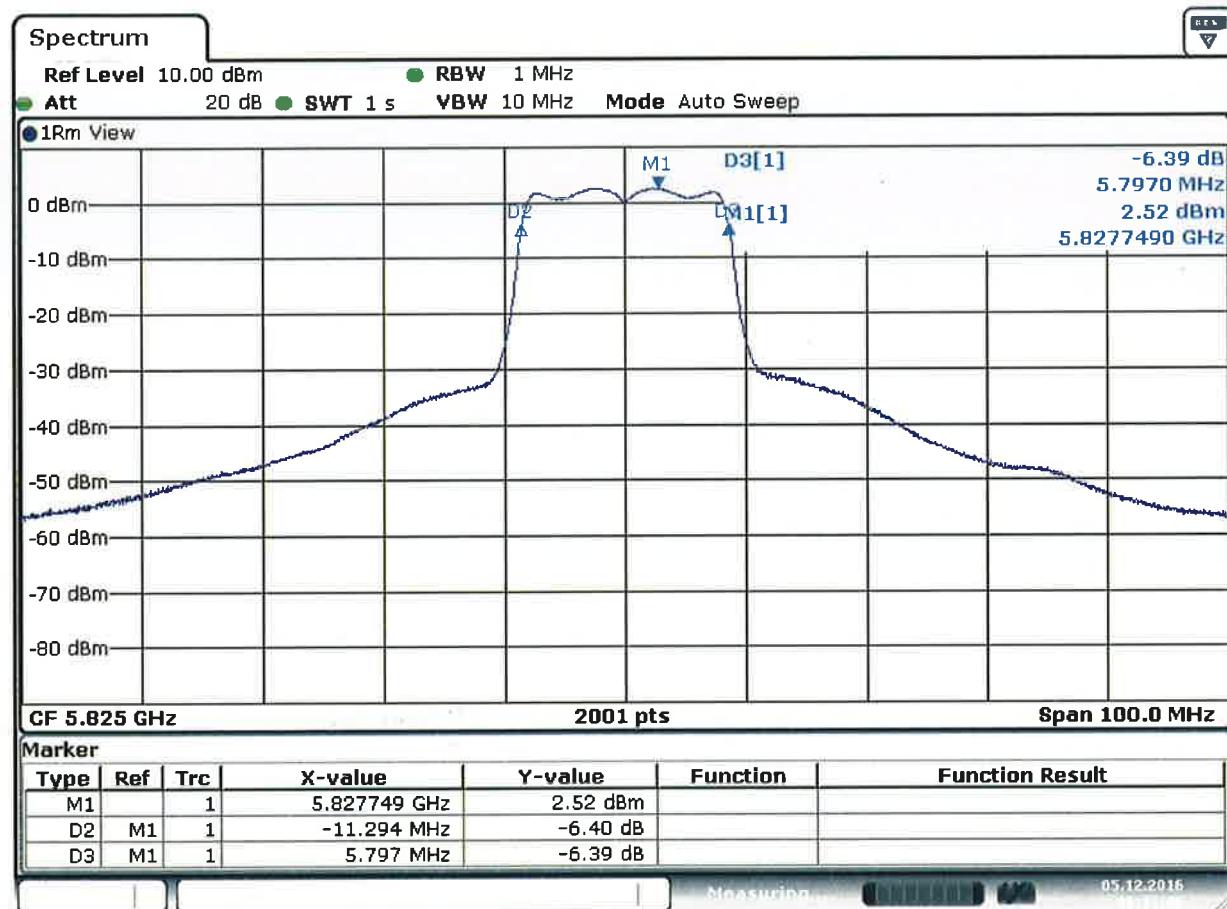
Test Equipment used: EMV-205

**6dB Bandwidth**

**§ 15.407(e)  
6.2.4 (1)**

Conducted Measurement

Rated output power: 38,9 mW Channel 165 (5825 MHz center frequency) – Antenna 2



Date: 5.DEC.2016 16:11:49

6dB Bandwidth: 17,091 MHz

**LIMIT** SUBCLAUSE 15.407(e) – 6.2.4 (1)

Frequency range 5725 – 5850 MHz	6 dB Bandwidth at least 500 kHz
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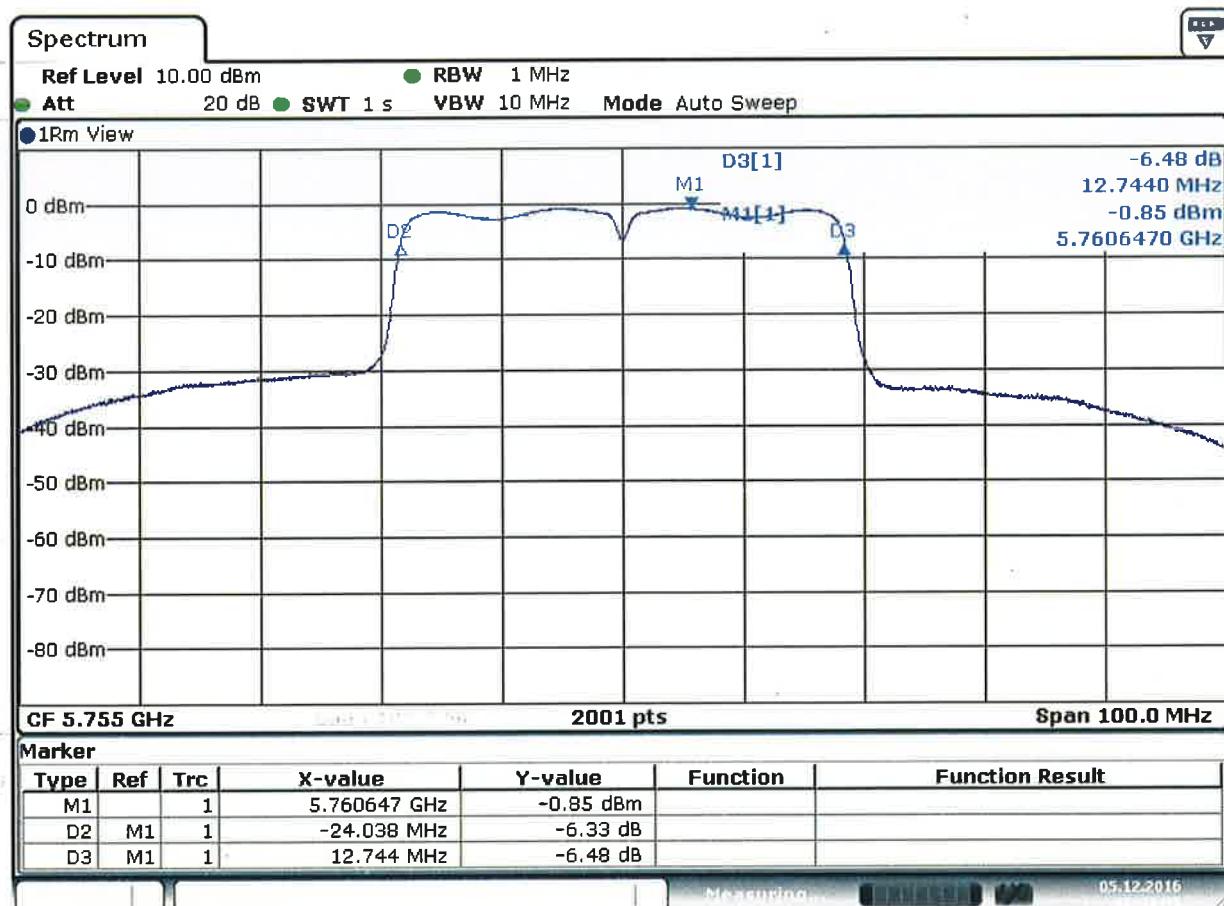
Test Equipment used: EMV-205

**6dB Bandwidth**

**§ 15.407(e)**  
**6.2.4 (1)**

**Conducted Measurement**

Rated output power: 38,9 mW Channel 149-153 (5755 MHz center frequency) – Antenna 2



Date: 5.DEC.2016 16:43:49

6dB Bandwidth: 36,782 MHz

**LIMIT** **SUBCLAUSE 15.407(e) – 6.2.4 (1)**

Frequency range 5725 – 5850 MHz

6 dB Bandwidth at least 500 kHz

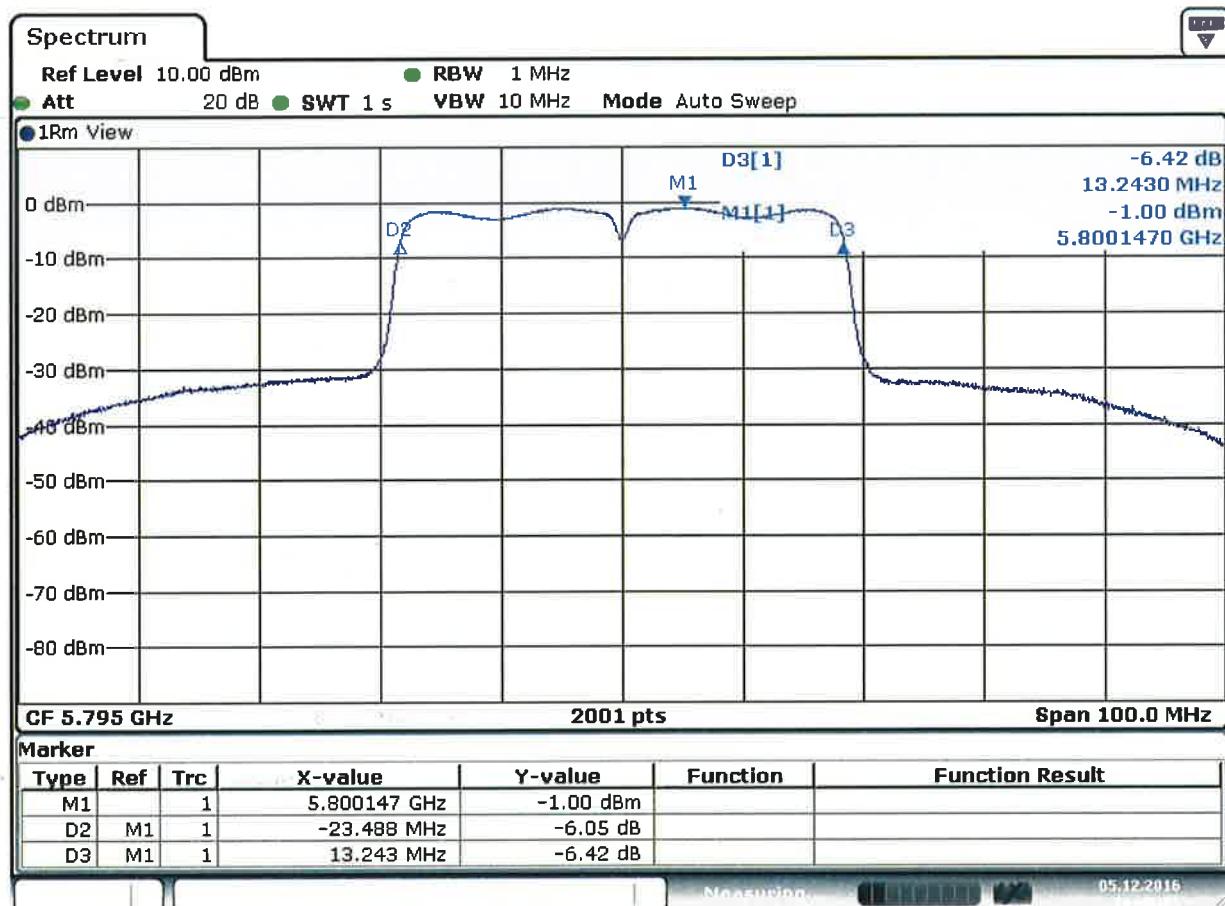
Test Equipment used: EMV-205

**6dB Bandwidth**

**§ 15.407(e)  
6.2.4 (1)**

**Conducted Measurement**

Rated output power: 38,9 mW Channel 157-161 (5795 MHz center frequency) – Antenna 2



Date: 5 DEC 2016 16:48:05

6dB Bandwidth: 36,731 MHz

**LIMIT** **SUBCLAUSE 15.407(e) – 6.2.4 (1)**

Frequency range 5725 – 5850 MHz

6 dB Bandwidth at least 500 kHz

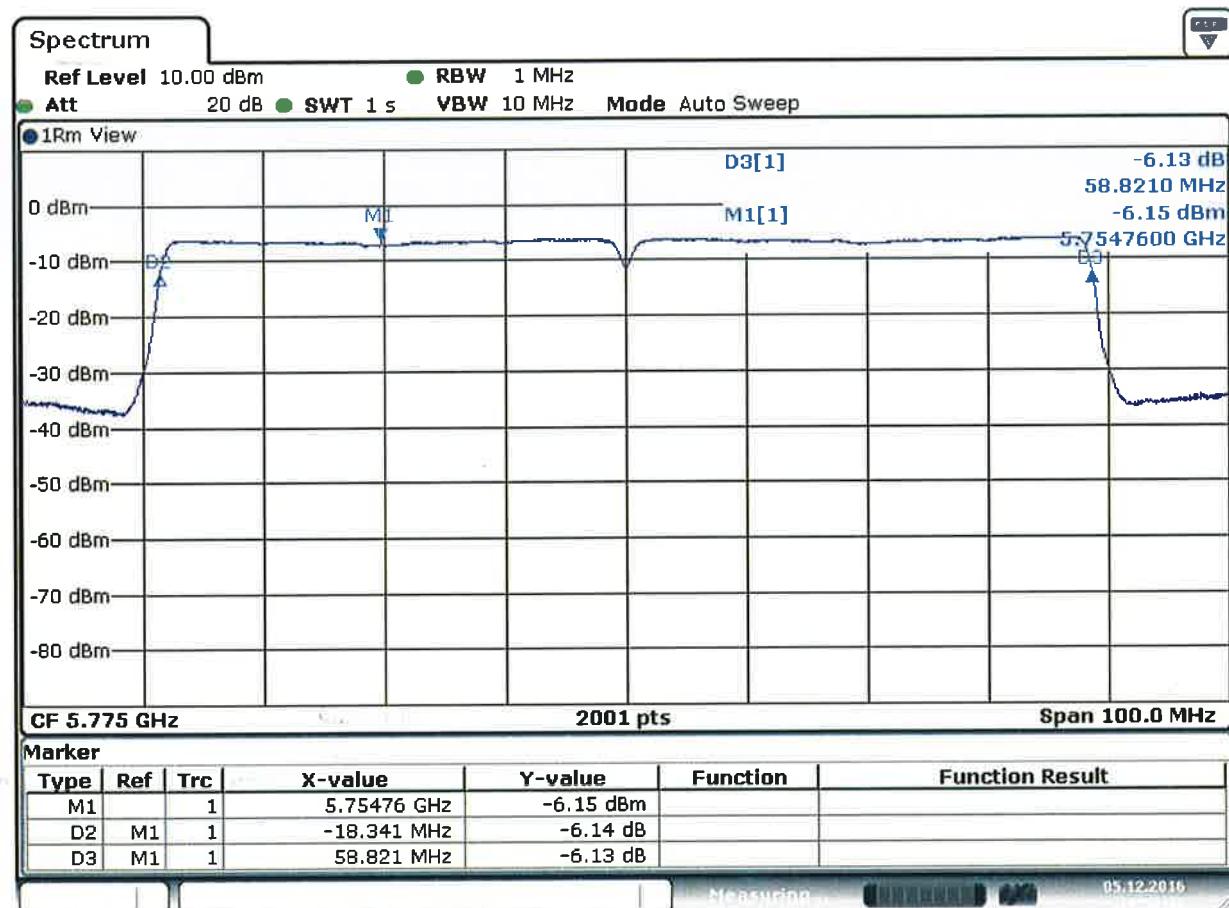
Test Equipment used: EMV-205

**6dB Bandwidth**

**§ 15.407(e)**  
**6.2.4 (1)**

**Conducted Measurement**

Rated output power: 38,9 mW Channel 149-161 (5775 MHz center frequency) – Antenna 2



Date: 5 DEC 2016 16:59:32

6dB Bandwidth: 77,162 MHz

**LIMIT** **SUBCLAUSE 15.407(e) – 6.2.4 (1)**

Frequency range 5725 – 5850 MHz

6 dB Bandwidth at least 500 kHz

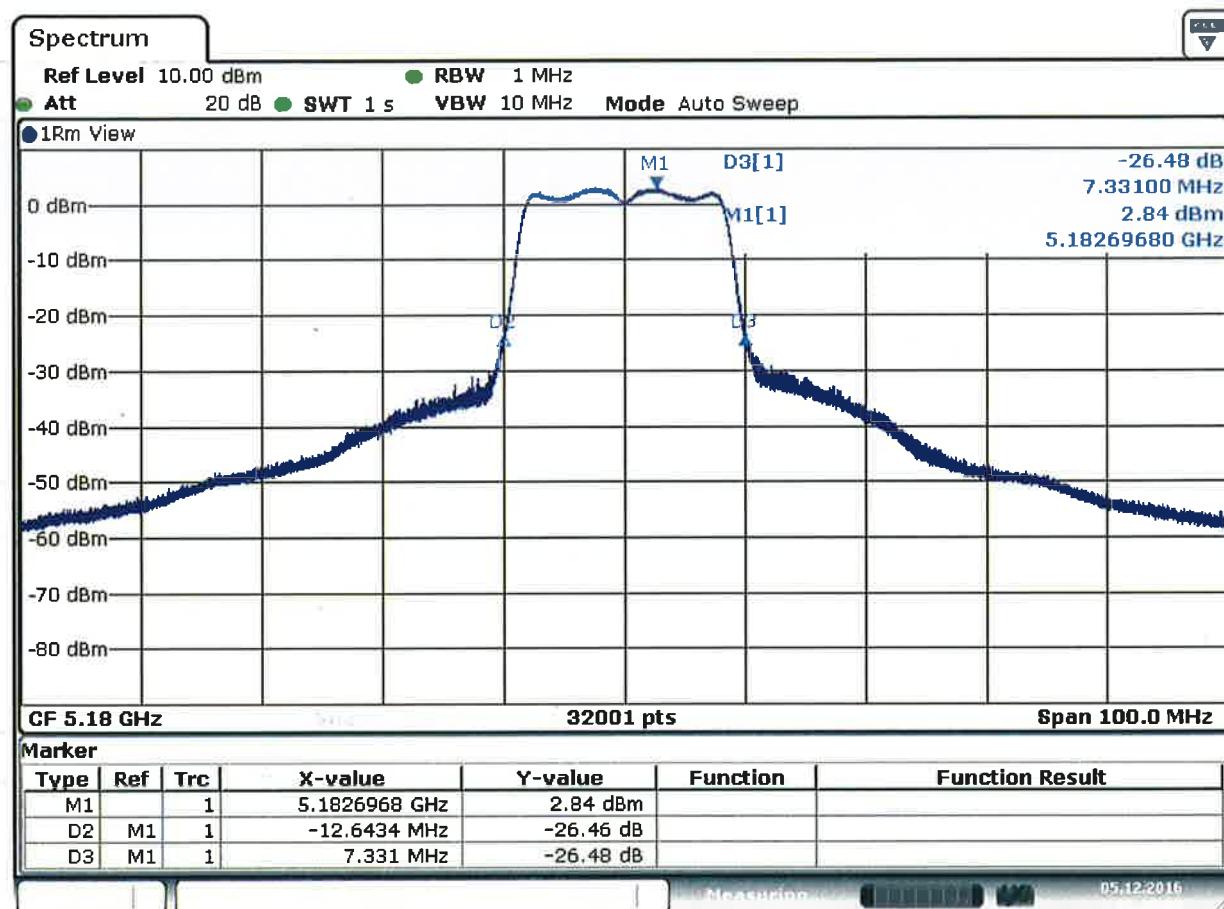
Test Equipment used: EMV-205

## 26dB Bandwidth

## § 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 36 (5180 MHz center frequency) – Antenna 1



Date: 5.DEC.2016 13:32:06

26dB Bandwidth: 19,974 MHz

LIMIT

SUBCLAUSE 15.407

Frequency ranges: 5150 – 5250; 5250 – 5350; 5470 – 5650; 5725 – 5850 MHz	26 dB Bandwidth fully inside permitted frequency ranges
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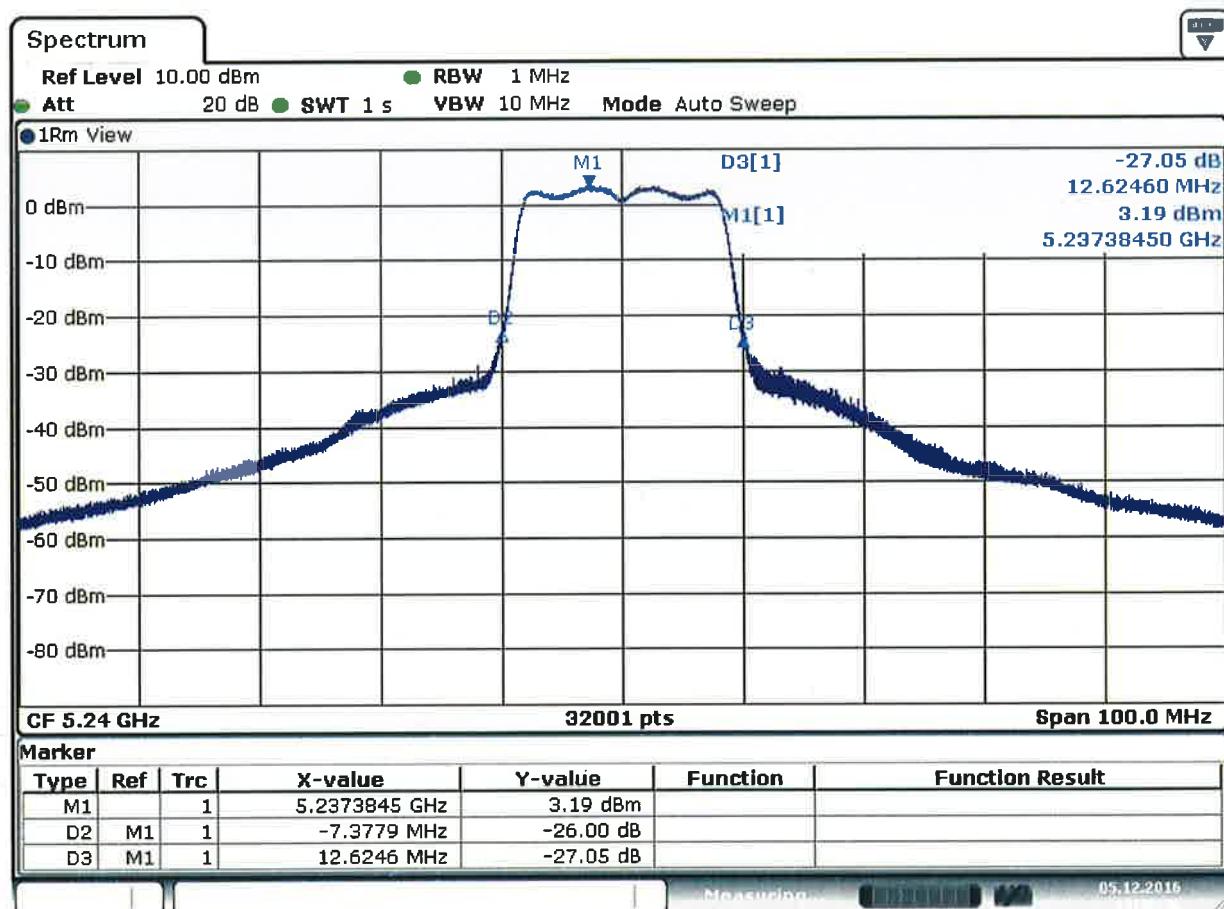
Test Equipment used: EMV-205

## 26dB Bandwidth

## § 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 48 (5240 MHz center frequency) – Antenna 1



Date: 5.DEC.2016 13:36:46

26dB Bandwidth: 20,003 MHz

LIMIT SUBCLAUSE 15.407

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

26 dB Bandwidth fully inside permitted frequency ranges

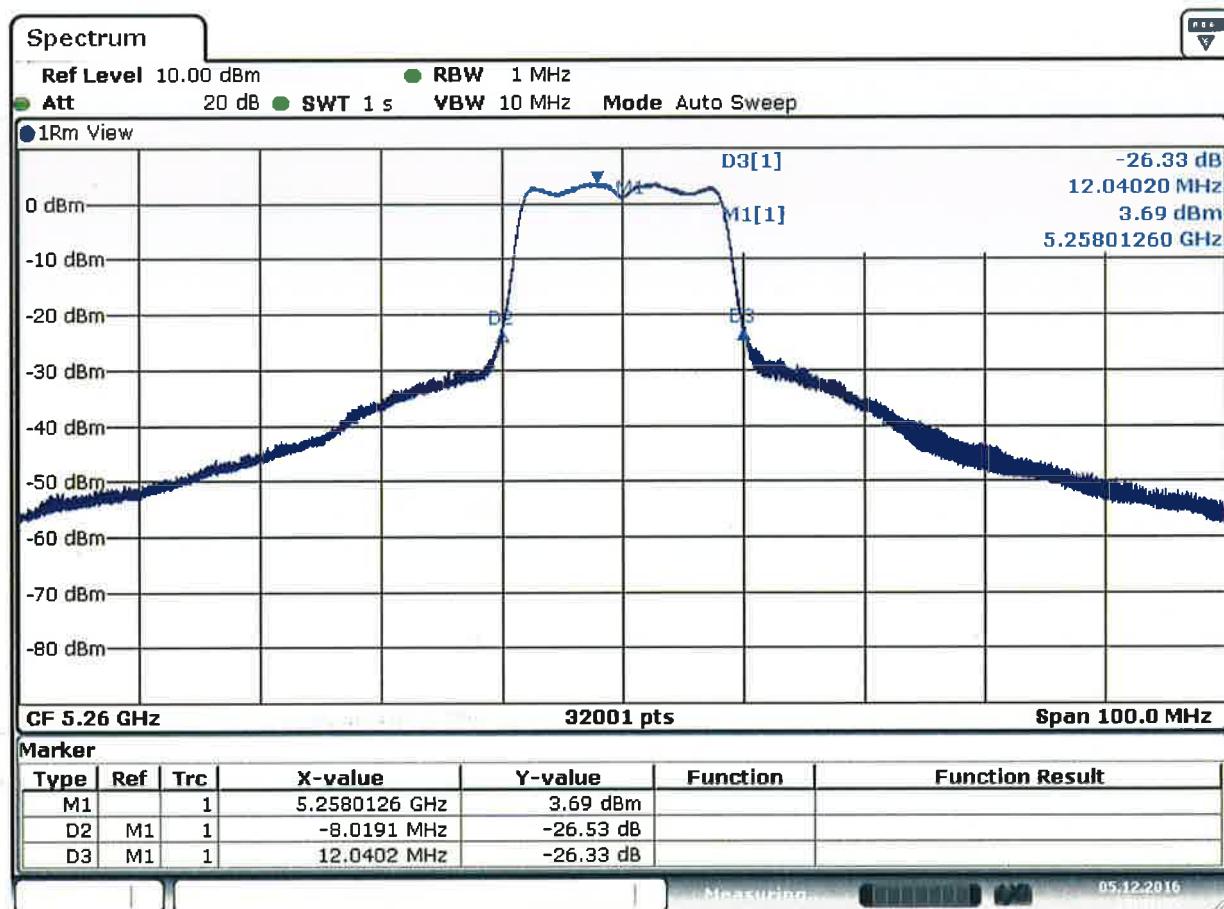
Test Equipment used: EMV-205

## 26dB Bandwidth

## § 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 52 (5260 MHz center frequency) – Antenna 1



Date: 5.DEC.2016 13:41:55

26dB Bandwidth: 20,059 MHz

LIMIT

SUBCLAUSE 15.407

Frequency ranges: 5150 – 5250; 5250 – 5350; 5470 – 5650; 5725 – 5850 MHz	26 dB Bandwidth fully inside permitted frequency ranges
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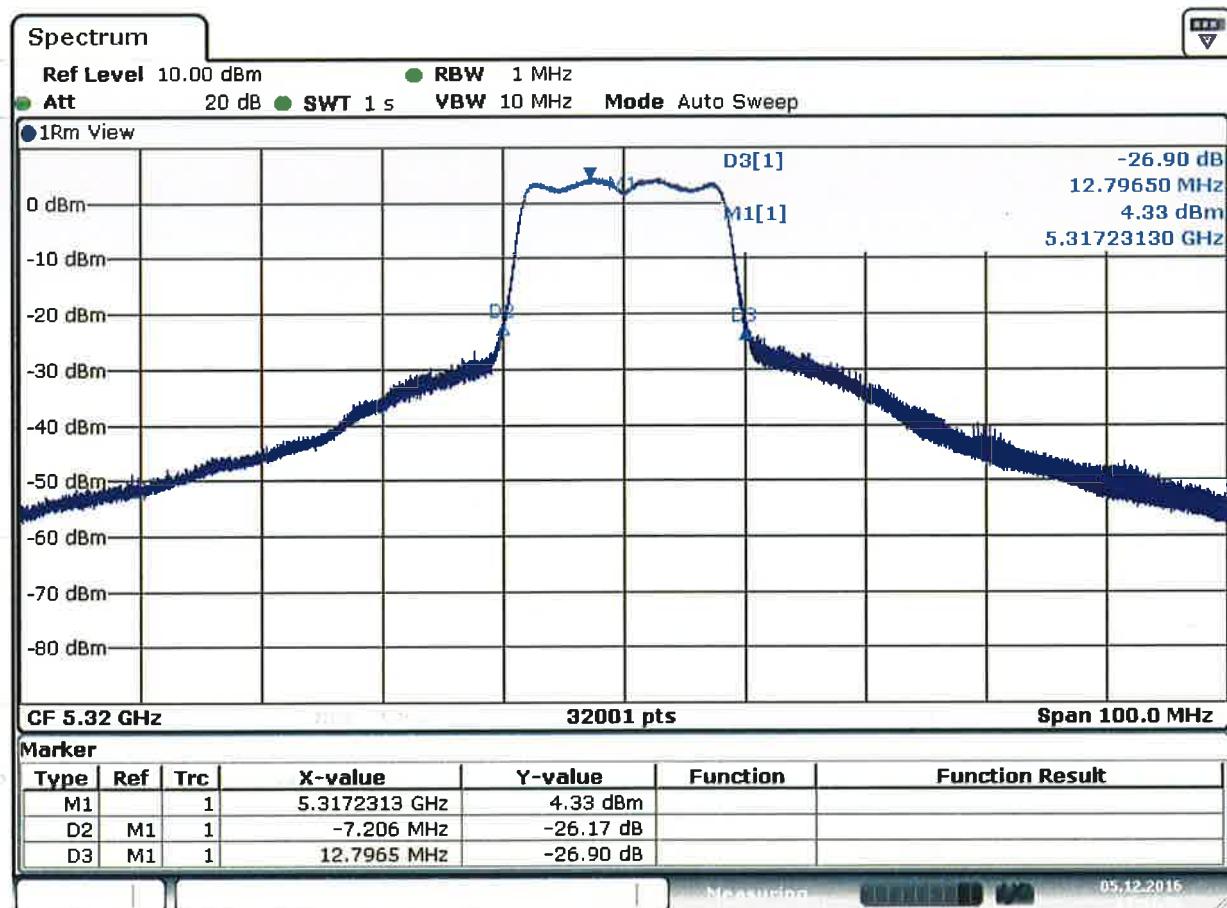
Test Equipment used: EMV-205

## 26dB Bandwidth

§ 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 64 (5320 MHz center frequency) – Antenna 1



Date: 5 DEC 2016 13:47:35

26dB Bandwidth: 20,003 MHz

LIMIT SUBCLAUSE 15.407

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

26 dB Bandwidth fully inside permitted frequency ranges

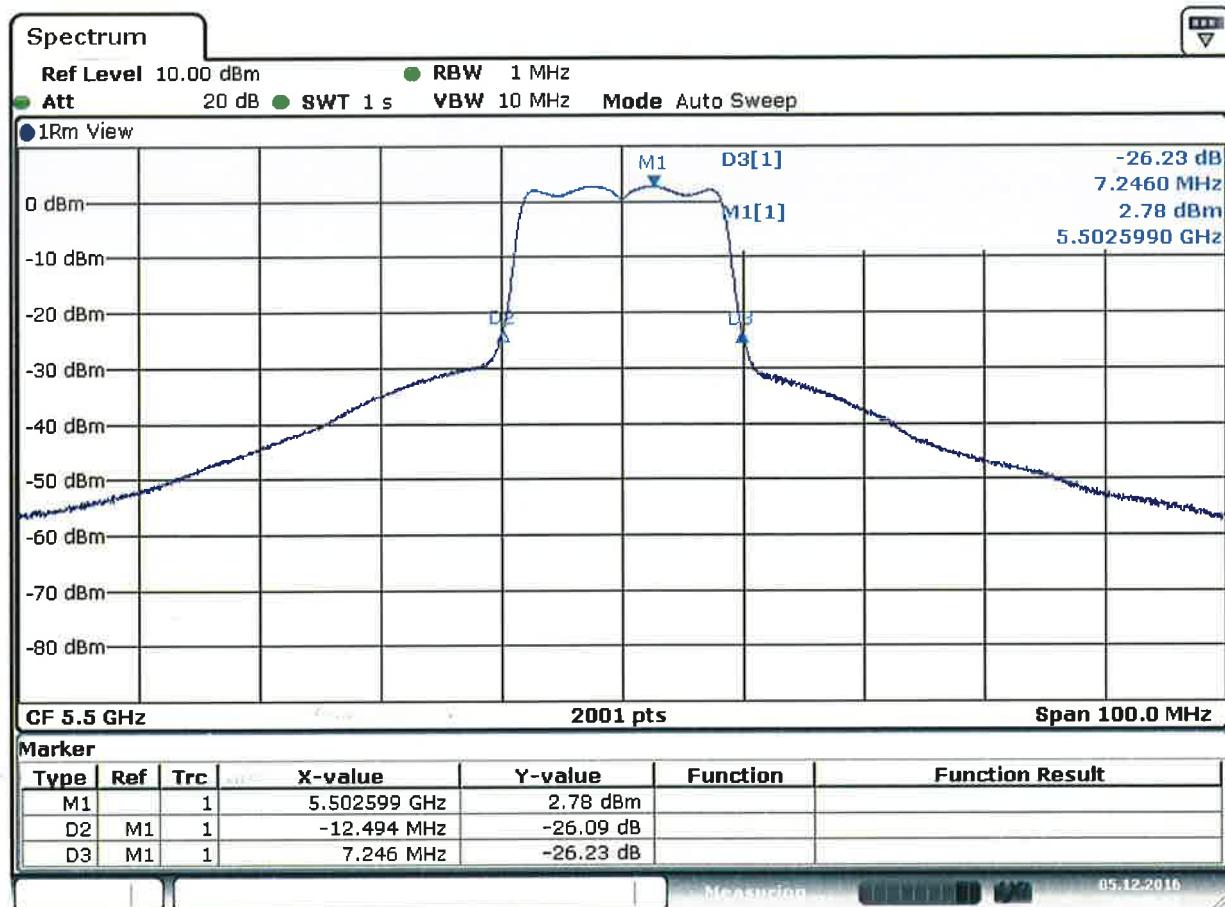
Test Equipment used: EMV-205

## 26dB Bandwidth

## § 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 100 (5500 MHz center frequency) – Antenna 1



Date: 5.DEC.2016 13:49:52

26dB Bandwidth: 19,740 MHz

### LIMIT SUBCLAUSE 15.407

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

26 dB Bandwidth fully inside permitted frequency ranges

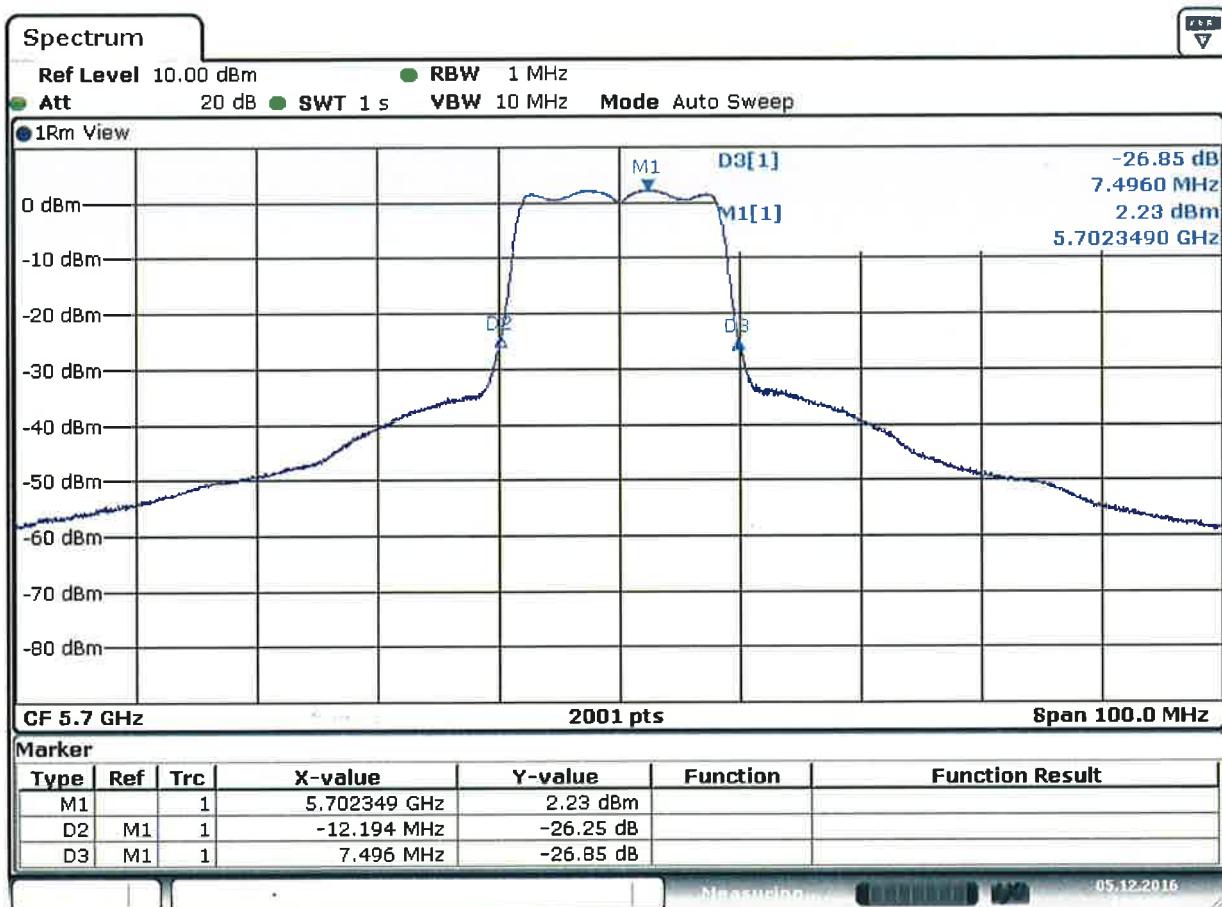
Test Equipment used: EMV-205

## 26dB Bandwidth

§ 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 140 (5700 MHz center frequency) – Antenna 1



Date: 5.DEC.2016 13:52:42

26dB Bandwidth: 19,690 MHz

LIMIT

SUBCLAUSE 15.407

Frequency ranges: 5150 – 5250; 5250 – 5350; 5470 – 5650; 5725 – 5850 MHz	26 dB Bandwidth fully inside permitted frequency ranges
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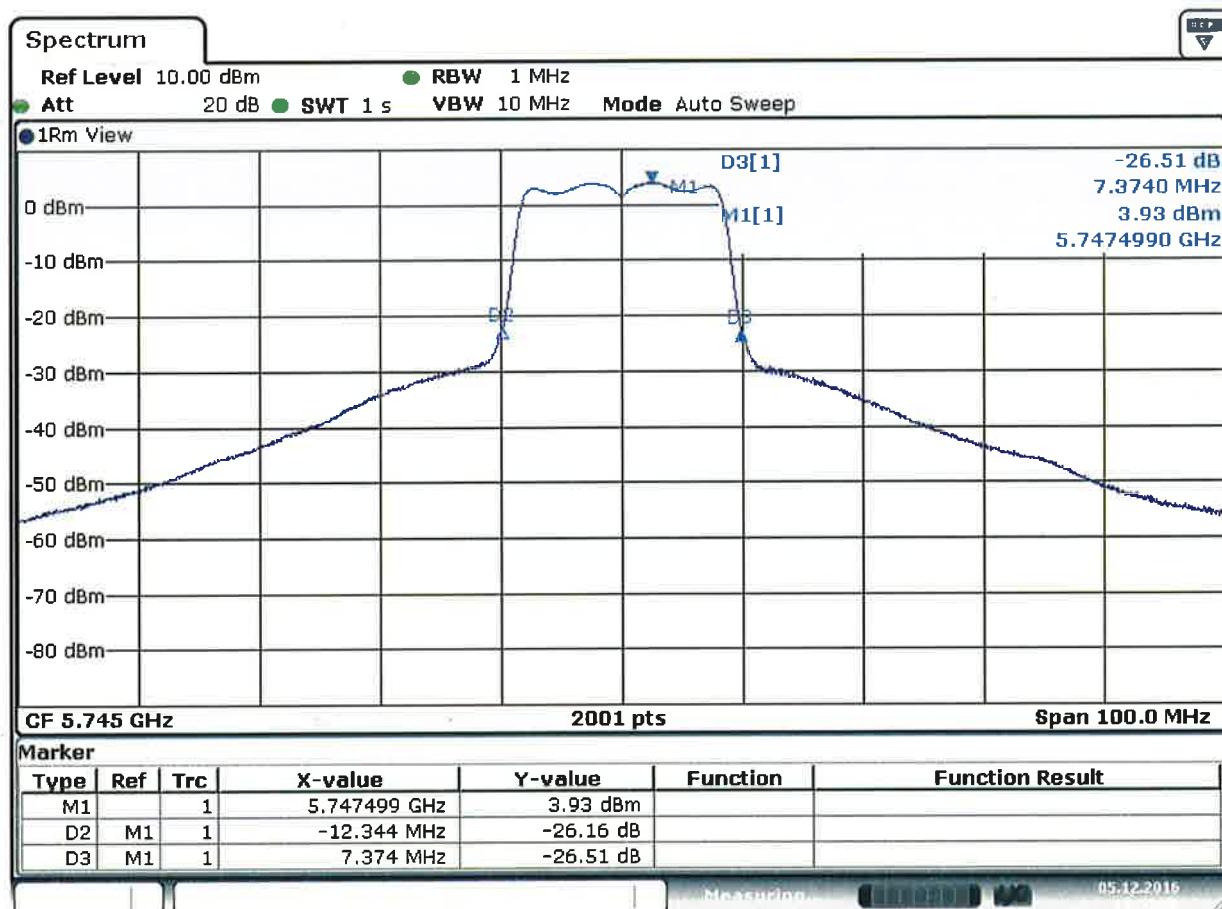
Test Equipment used: EMV-205

## 26dB Bandwidth

## § 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 149 (5745 MHz center frequency) – Antenna 1



Date: 5 DEC 2016 13:55:41

26dB Bandwidth: 19,718 MHz

LIMIT SUBCLAUSE 15.407

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

26 dB Bandwidth fully inside permitted frequency ranges

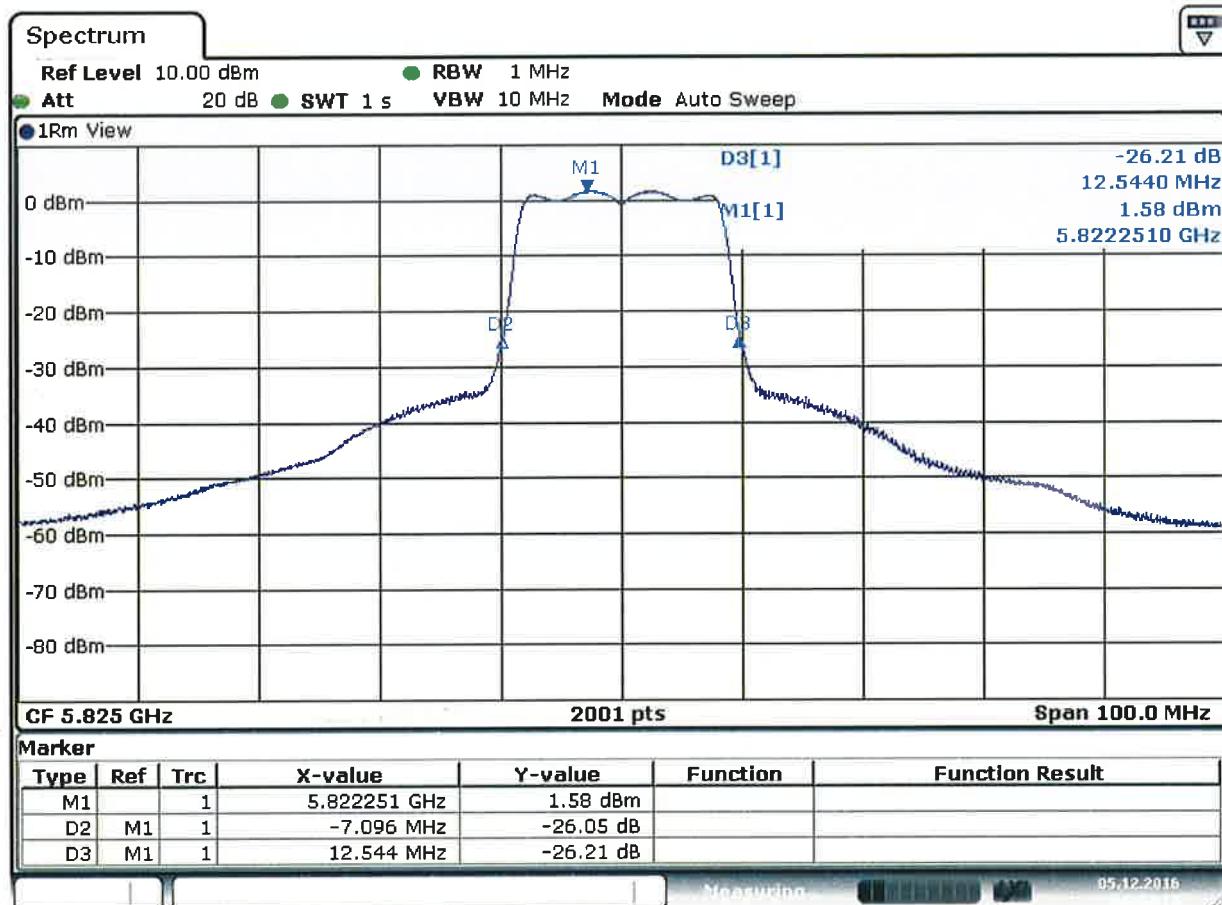
Test Equipment used: EMV-205

**26dB Bandwidth**

**§ 15.407**

**Conducted Measurement**

Rated output power: 38,9 mW Channel 165 (5825 MHz center frequency) – Antenna 1



Date: 5.DEC.2016 14:02:13

26dB Bandwidth: 19,640 MHz

**LIMIT**                      **SUBCLAUSE 15.407**

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

26 dB Bandwidth fully inside permitted frequency ranges

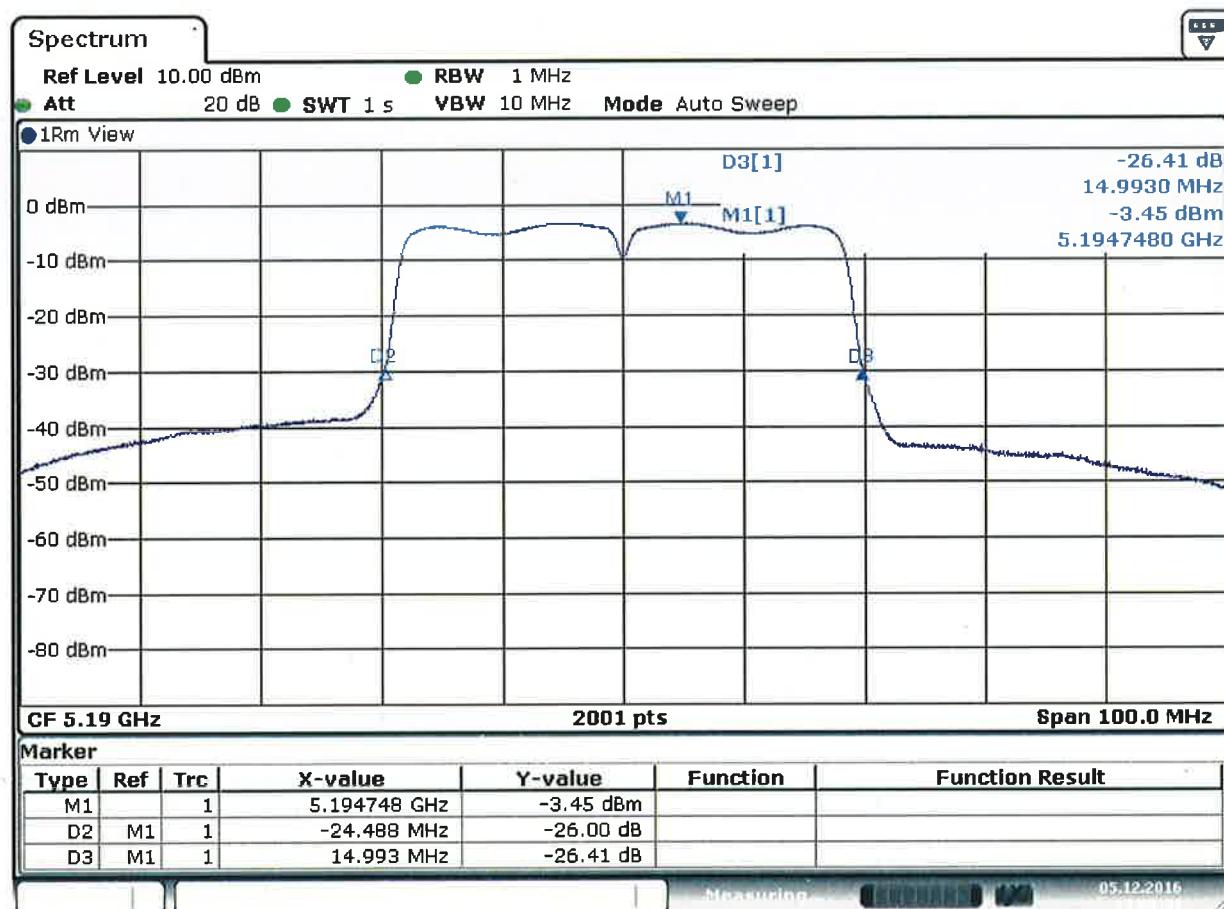
Test Equipment used: EMV-205

## 26dB Bandwidth

## § 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 36-40 (5190 MHz center frequency) – Antenna 1



Date: 5.DEC.2016 14:04:41

26dB Bandwidth: 39,481 MHz

LIMIT

SUBCLAUSE 15.407

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

26 dB Bandwidth fully inside permitted frequency ranges

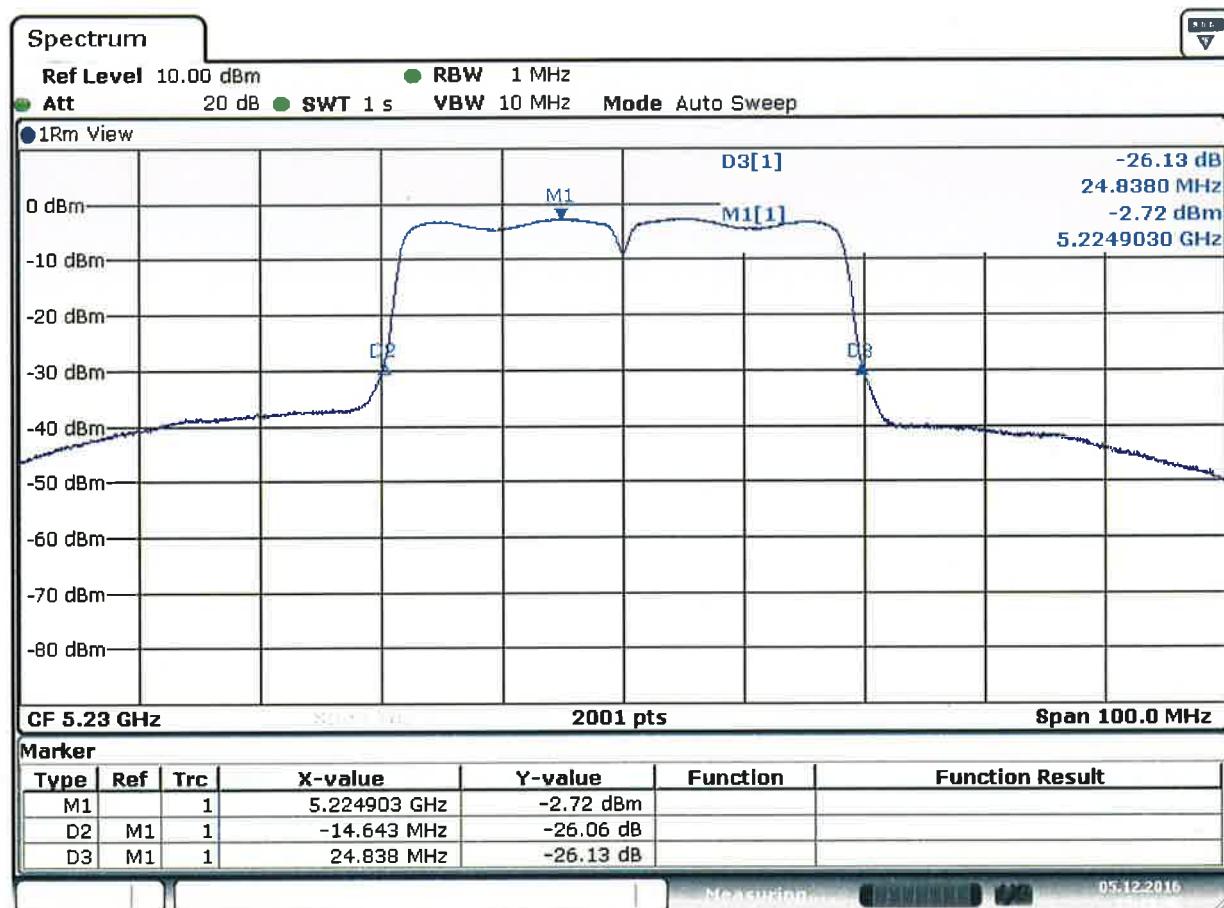
Test Equipment used: EMV-205

## 26dB Bandwidth

## § 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 44-48 (5230 MHz center frequency) – Antenna 1



Date: 5.DEC.2016 14:18:47

26dB Bandwidth: 39,481 MHz

LIMIT SUBCLAUSE 15.407

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

26 dB Bandwidth fully inside permitted frequency ranges

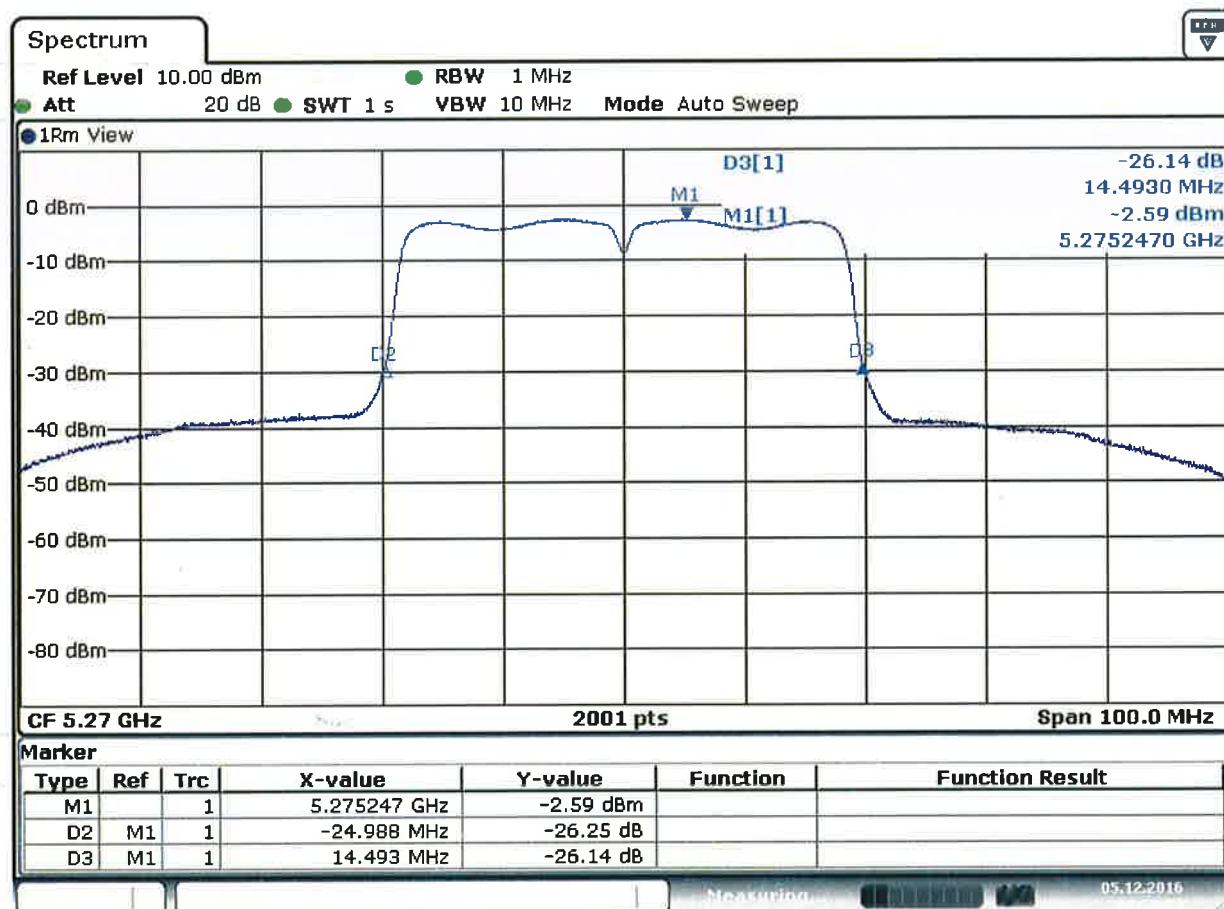
Test Equipment used: EMV-205

## 26dB Bandwidth

## § 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 52-56 (5270 MHz center frequency) – Antenna 1



Date: 5.DEC.2016 14:21:23

26dB Bandwidth: 39,481 MHz

### LIMIT

### SUBCLAUSE 15.407

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

26 dB Bandwidth fully inside permitted frequency ranges

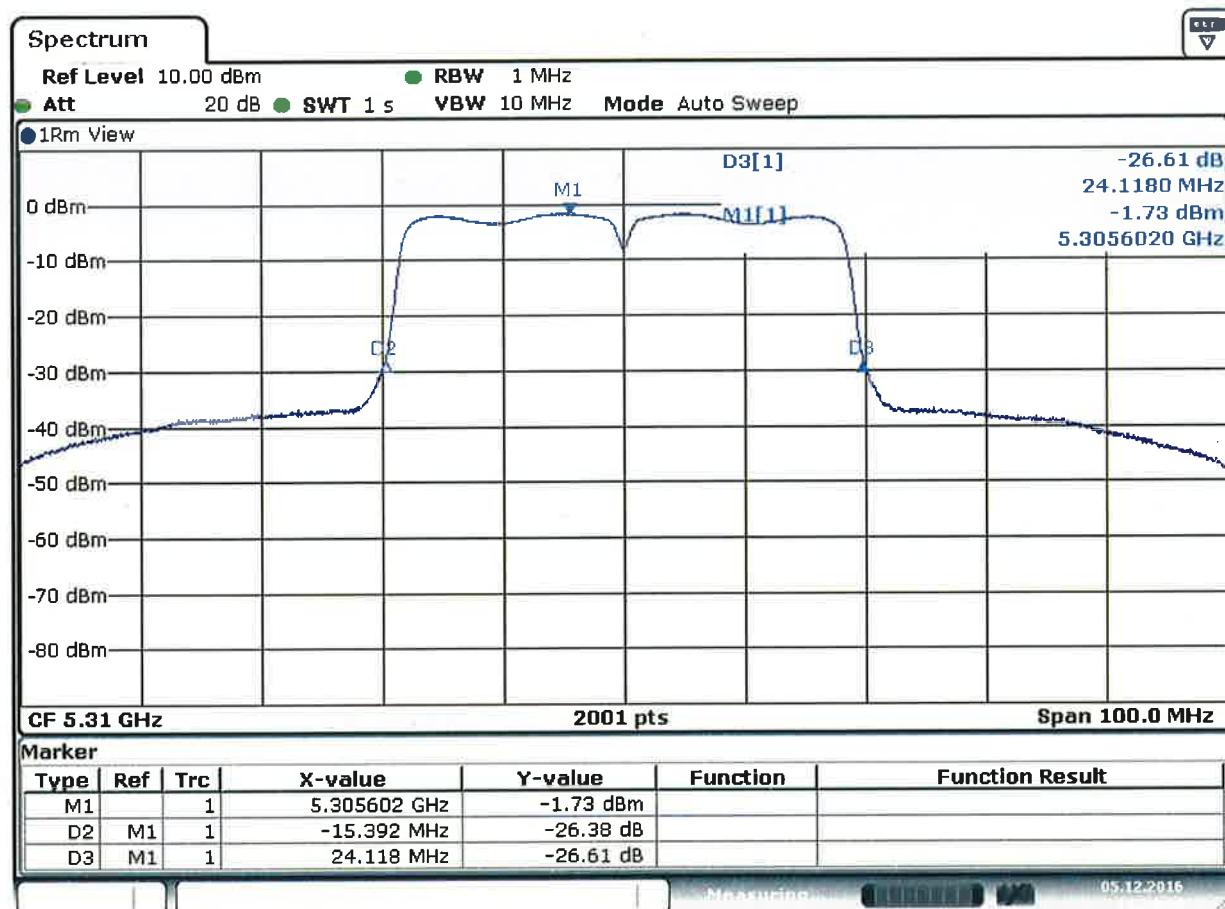
Test Equipment used: EMV-205

## 26dB Bandwidth

## § 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 60-64 (5310 MHz center frequency) – Antenna 1



Date: 5 DEC 2016 14:24:34

26dB Bandwidth: 39,510 MHz

LIMIT

SUBCLAUSE 15.407

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

26 dB Bandwidth fully inside permitted frequency ranges

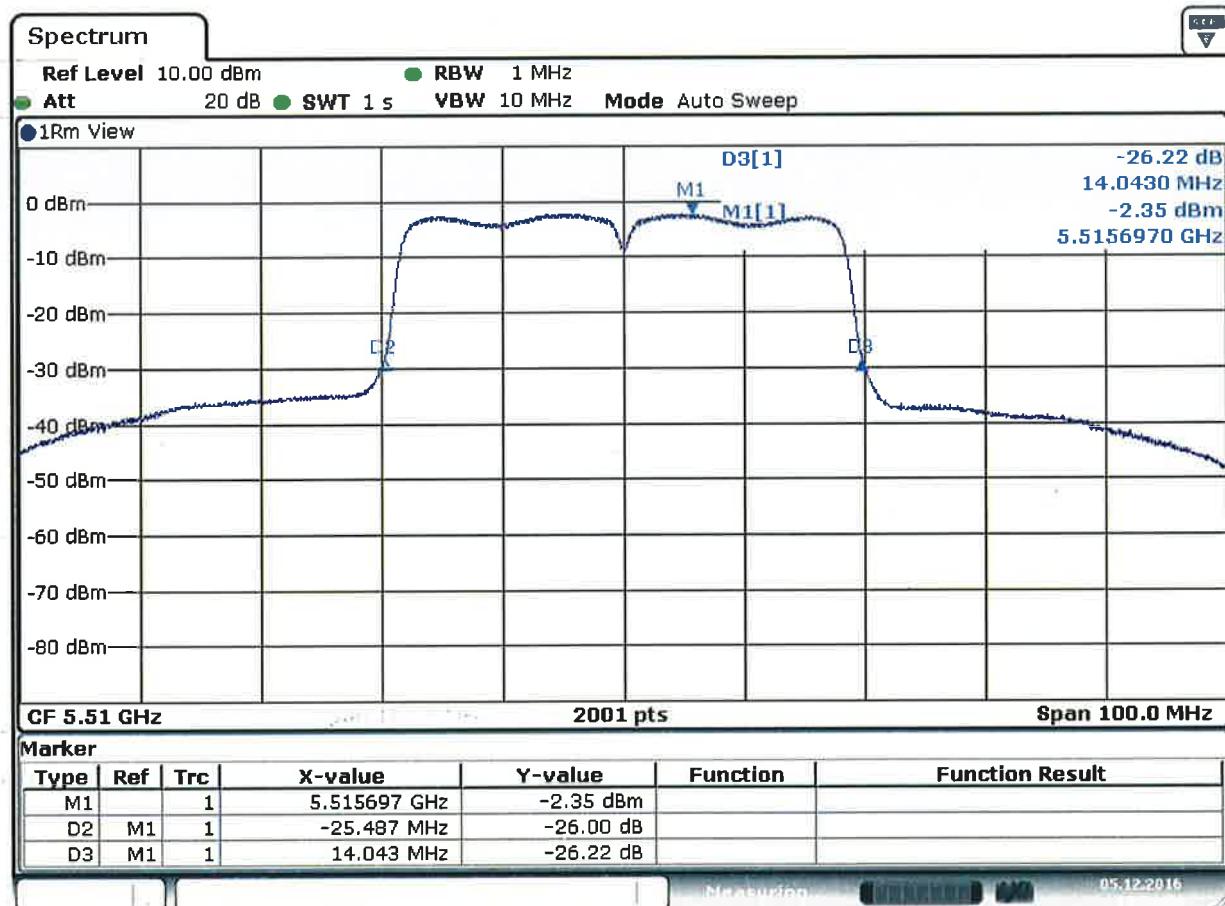
Test Equipment used: EMV-205

## 26dB Bandwidth

## § 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 100-104 (5510 MHz center frequency) – Antenna 1



Date: 5.DEC.2016 14:54:45

26dB Bandwidth: 39,530 MHz

LIMIT

SUBCLAUSE 15.407

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

26 dB Bandwidth fully inside permitted frequency ranges

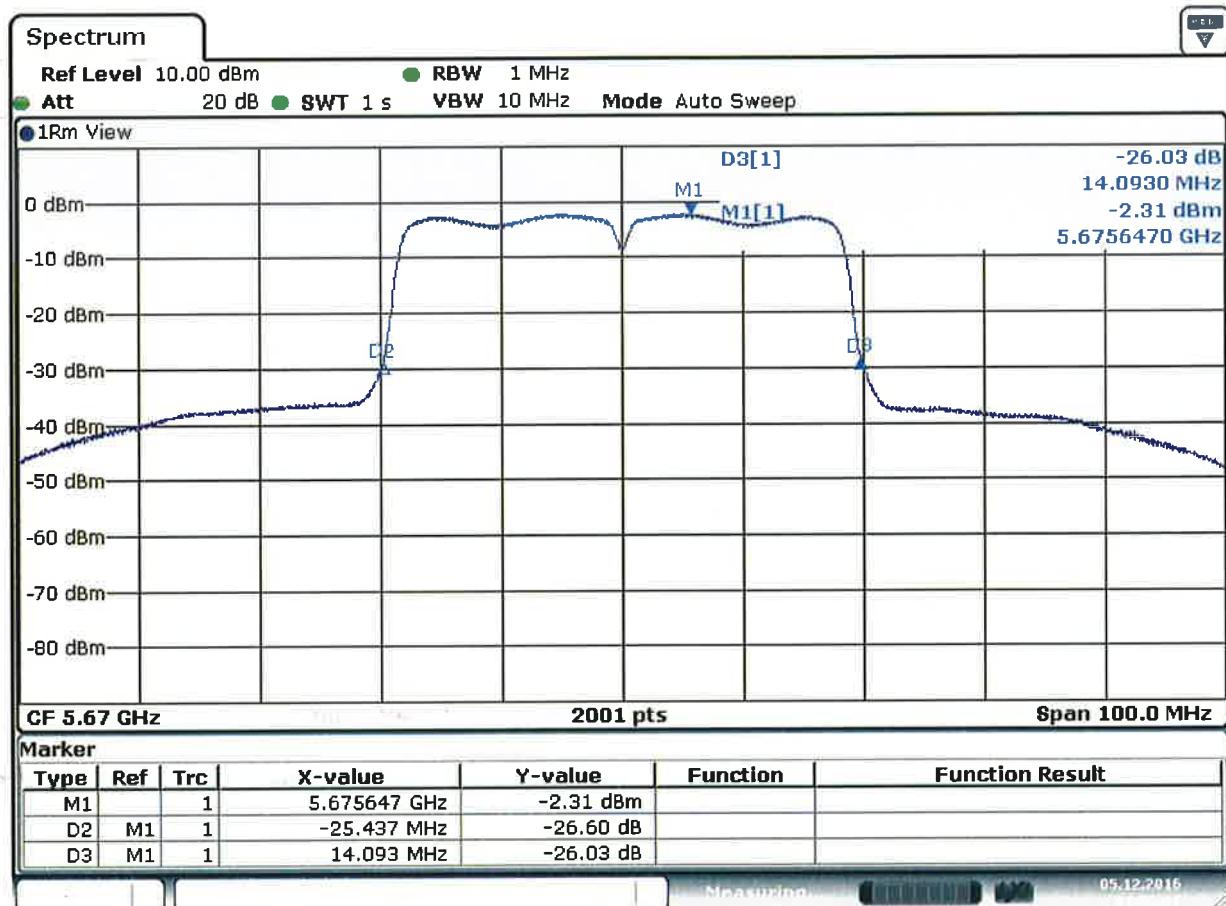
Test Equipment used: EMV-205

## **26dB Bandwidth**

§ 15.407

## Conducted Measurement

Rated output power: 38,9 mW Channel 132-136 (5670 MHz center frequency) – Antenna 1



Date: 5 DEC 2016 14:56:18

26dB Bandwidth: 39,530 MHz

LIMIT

SUBCLAUSE 15.407

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz      26 dB Bandwidth fully inside permitted frequency ranges

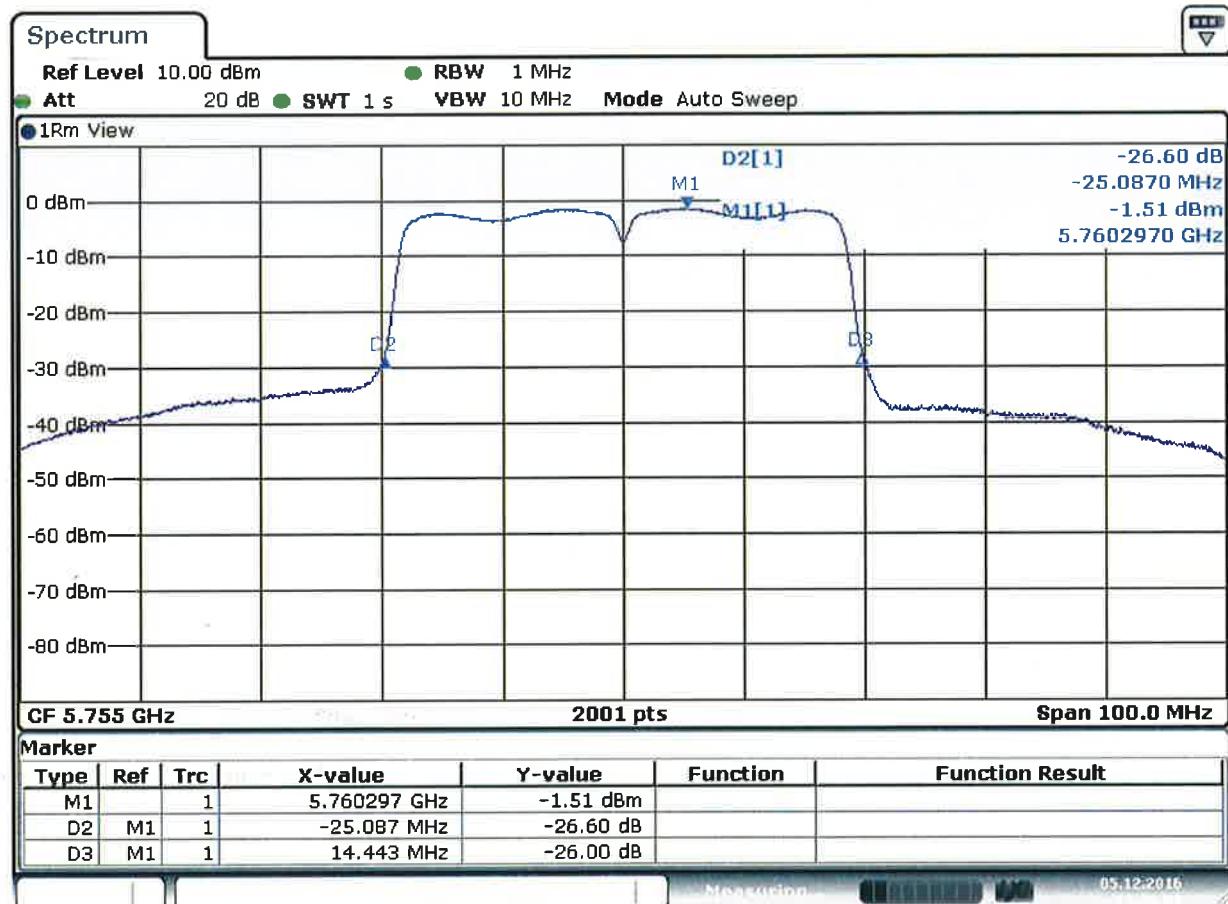
### **Test Equipment used: EMV-205**

**26dB Bandwidth**

§ 15.407

## Conducted Measurement

Rated output power: 38,9 mW Channel 149-153 (5755 MHz center frequency) – Antenna 1



Date: 5 DEC 2016 15:00:09

26dB Bandwidth: 39,530 MHz

LIMIT

**SUBCLAUSE 15.407**

Frequency ranges: 5150 – 5250; 5250 – 5350; 5470 – 5650; 5725 – 5850 MHz	26 dB Bandwidth fully inside permitted frequency ranges
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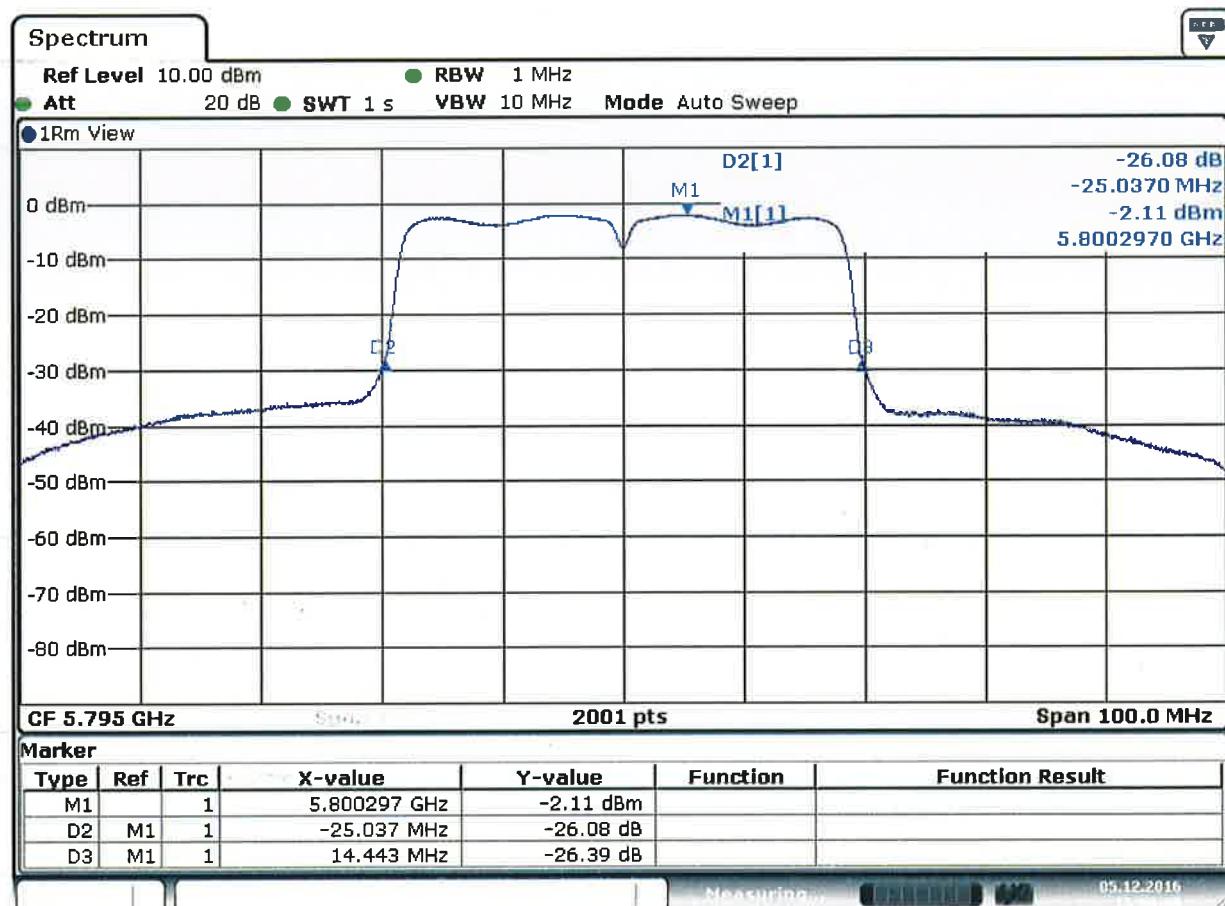
Test Equipment used: EMV-205

## 26dB Bandwidth

## § 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 157-161 (5795 MHz center frequency) – Antenna 1



Date: 5.DEC.2016 15:04:49

26dB Bandwidth: 39,480 MHz

LIMIT SUBCLAUSE 15.407

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

26 dB Bandwidth fully inside permitted frequency ranges

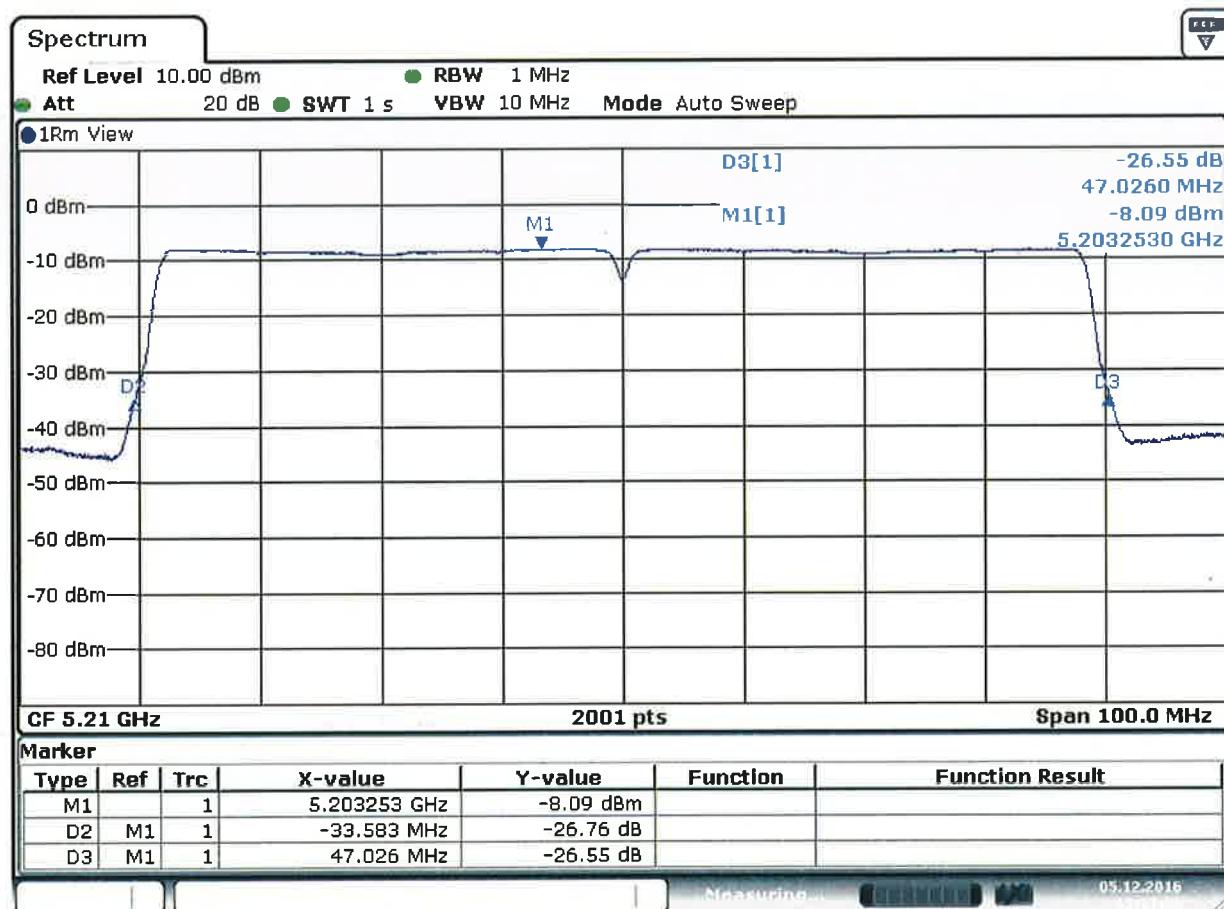
Test Equipment used: EMV-205

## 26dB Bandwidth

§ 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 36-48 (5210 MHz center frequency) – Antenna 1



Date: 5.DEC.2016 15:13:20

26dB Bandwidth: 80,609 MHz

LIMIT

SUBCLAUSE 15.407

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

26 dB Bandwidth fully inside permitted frequency ranges

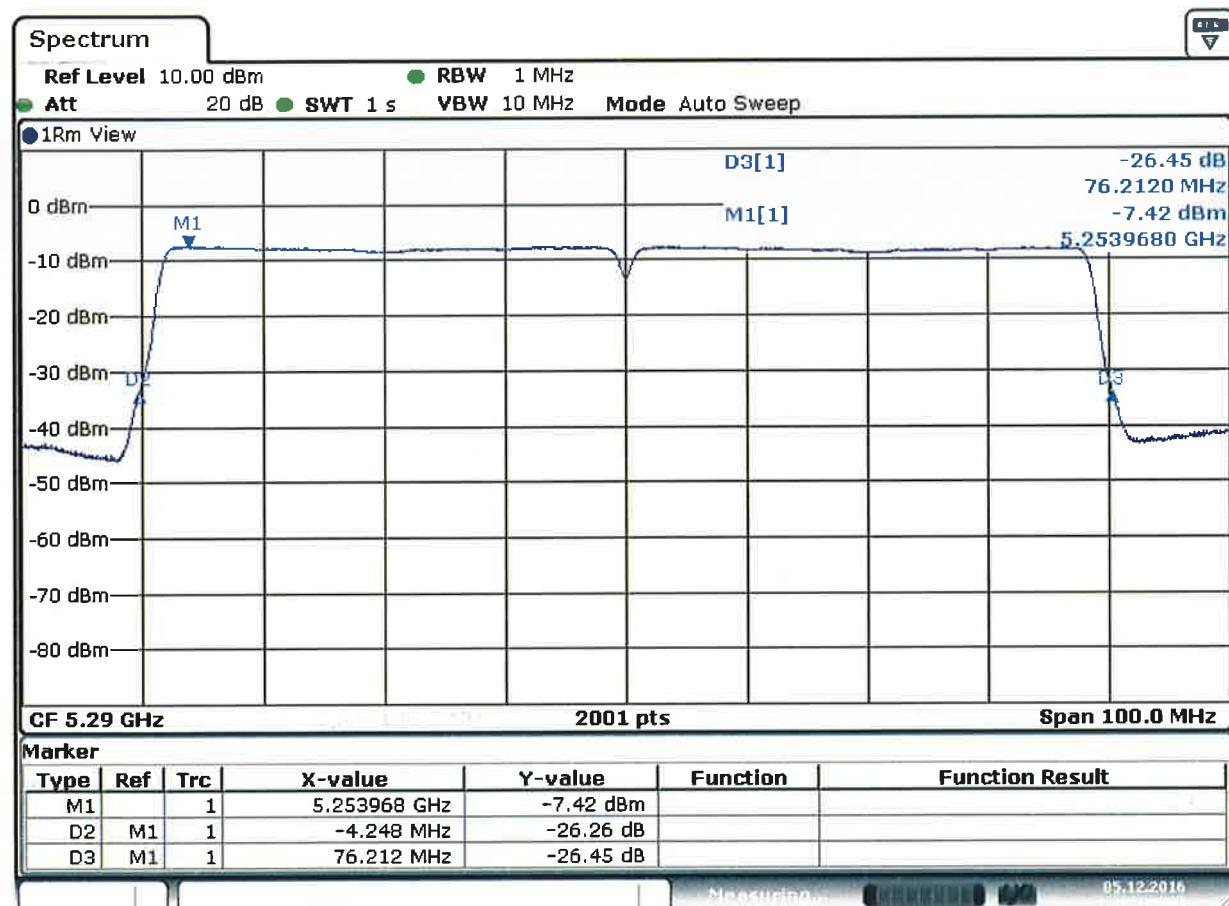
Test Equipment used: EMV-205

**26dB Bandwidth**

§ 15.407

#### Conducted Measurement

Rated output power: 38,9 mW Channel 52-64 (5290 MHz center frequency) – Antenna 1



Date: 5.DEC.2016 15:15:05

26dB Bandwidth: 80.460 MHz

#### **LIMIT** **SUBCLAUSE 15.407**

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz      26 dB Bandwidth fully inside permitted frequency ranges

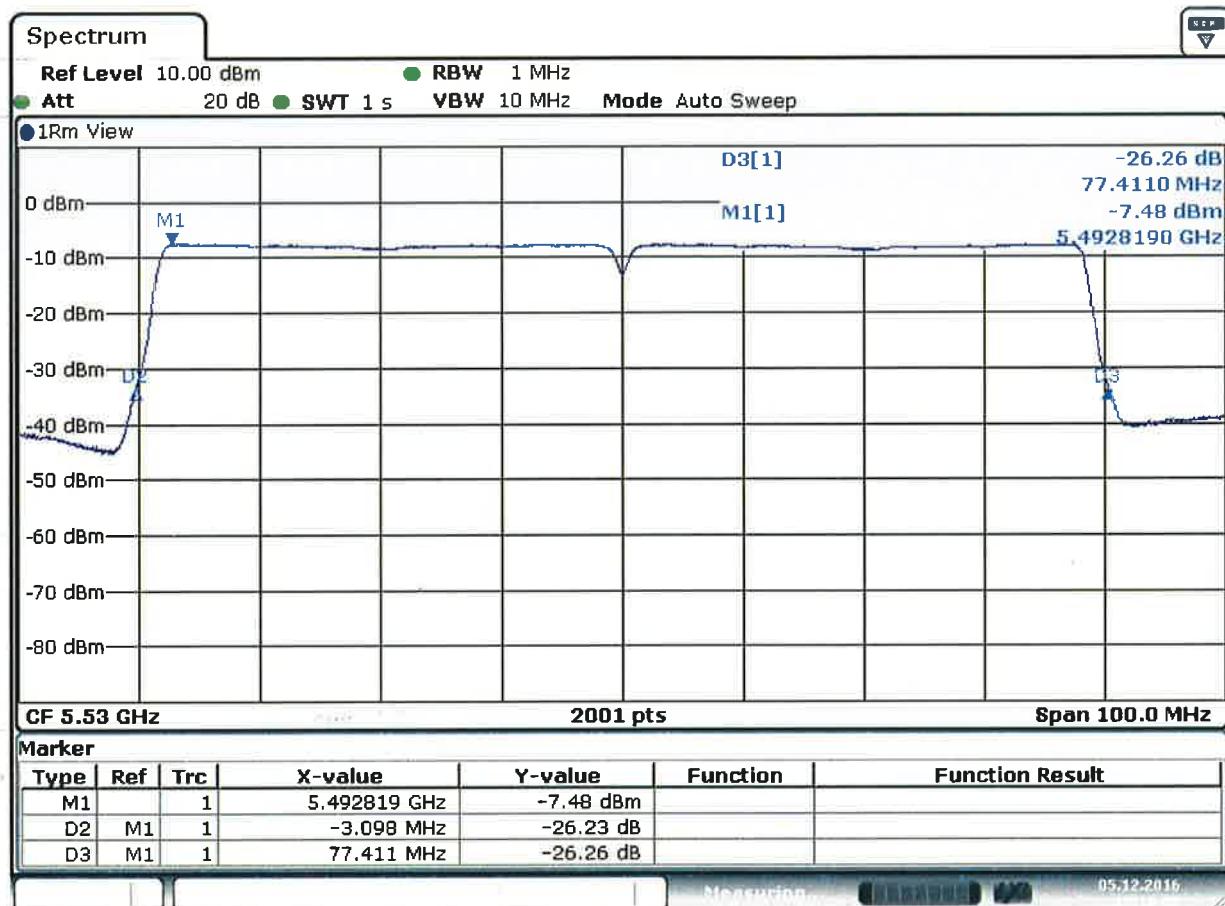
Test Equipment used: EMV-205

## 26dB Bandwidth

## § 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 100-112 (5530 MHz center frequency) – Antenna 1



Date: 5 DEC 2016 15:18:51

26dB Bandwidth: 80,509 MHz

LIMIT SUBCLAUSE 15.407

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

26 dB Bandwidth fully inside permitted frequency ranges

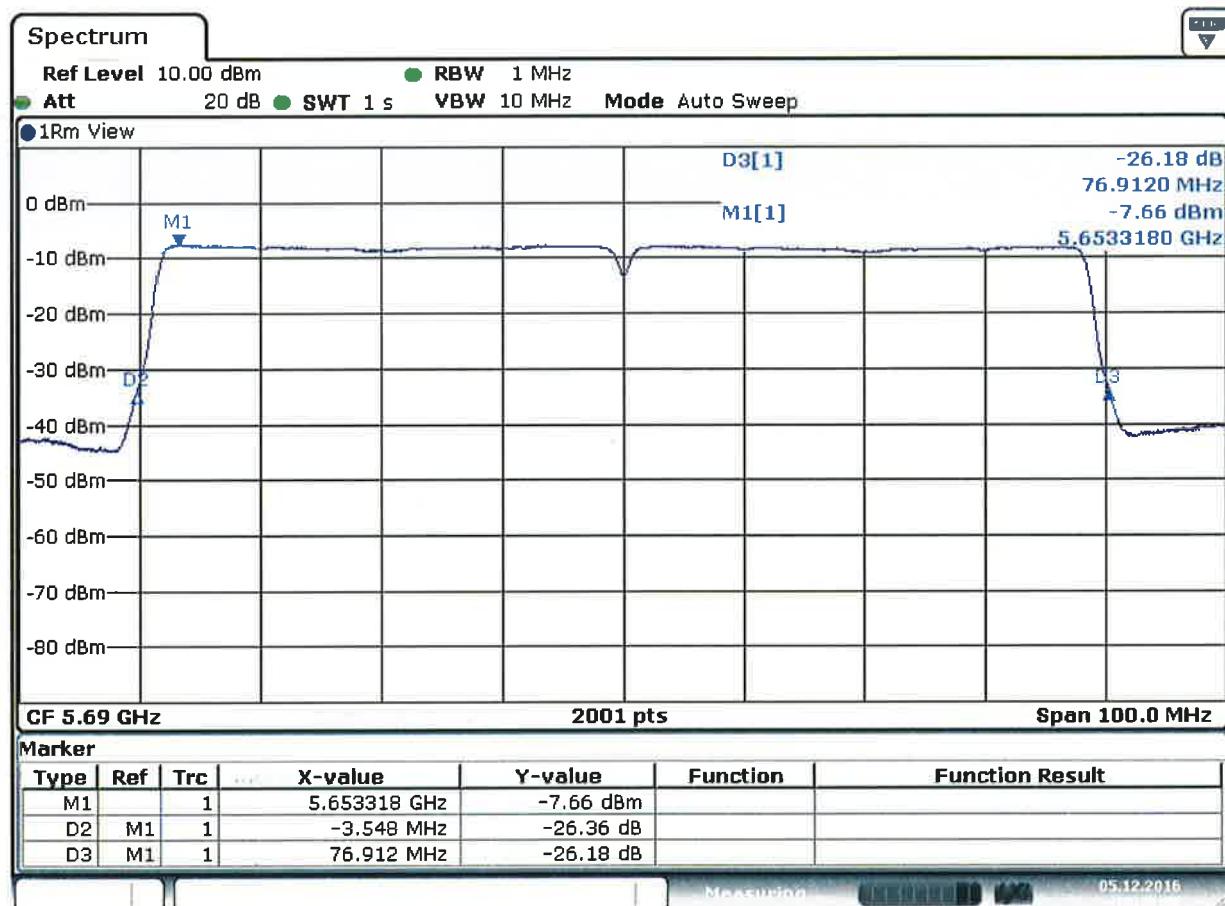
Test Equipment used: EMV-205

## 26dB Bandwidth

## § 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 132-144 (5690 MHz center frequency) – Antenna 1



Date: 5 DEC 2016 15:20:10

26dB Bandwidth: 80,460 MHz

LIMIT SUBCLAUSE 15.407

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

26 dB Bandwidth fully inside permitted frequency ranges

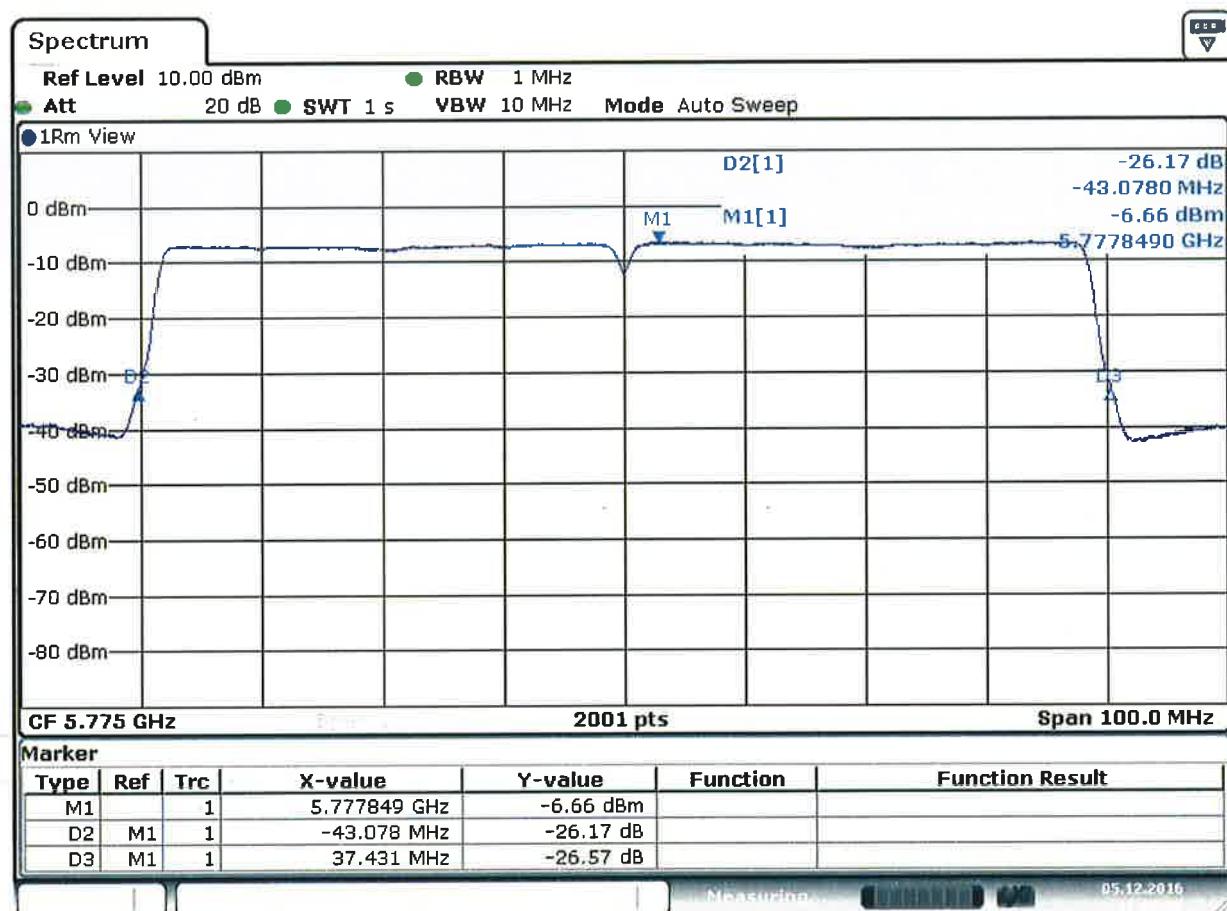
Test Equipment used: EMV-205

## 26dB Bandwidth

## § 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 149-161 (5725 MHz center frequency) – Antenna 1



Date: 5.DEC.2016 15:09:59

26dB Bandwidth: 80,509 MHz

LIMIT

SUBCLAUSE 15.407

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

26 dB Bandwidth fully inside permitted frequency ranges

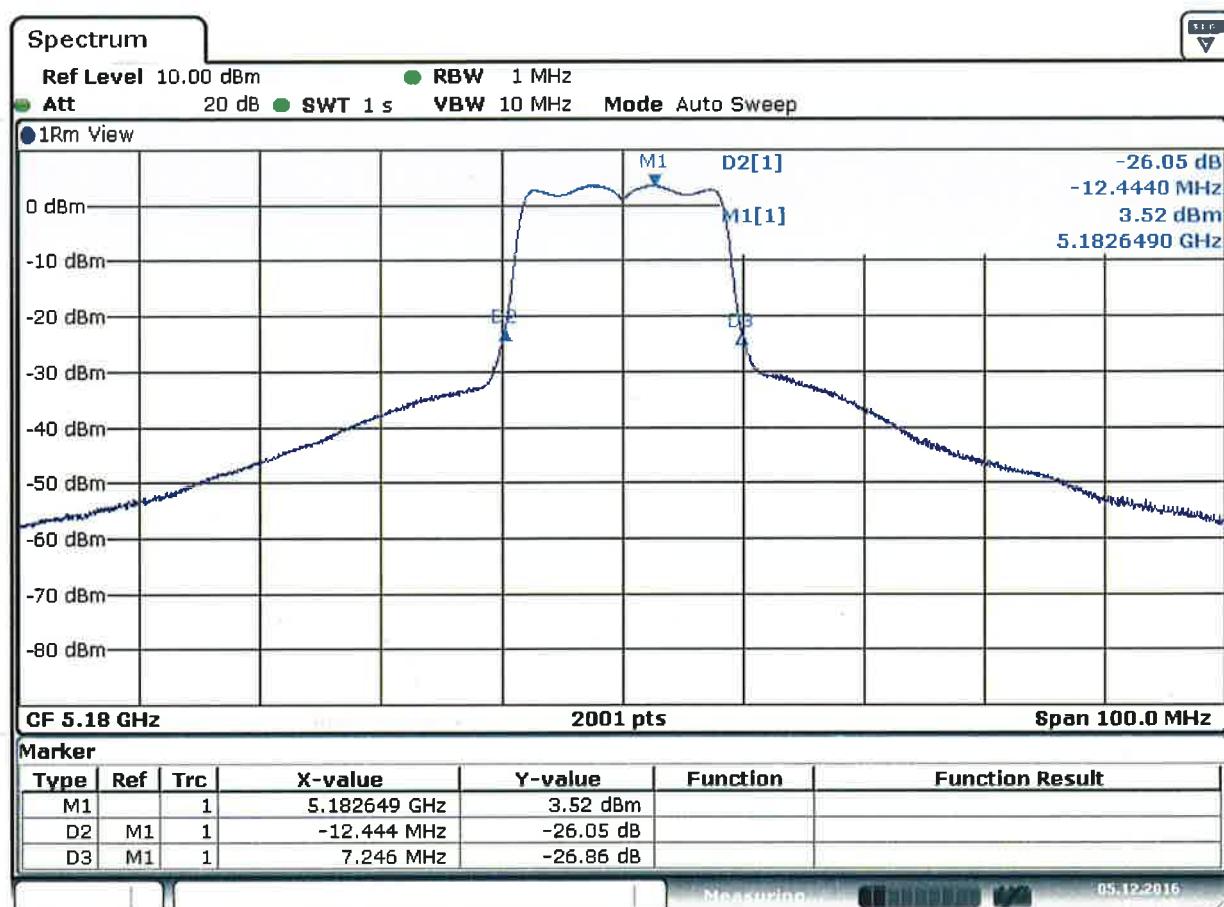
Test Equipment used: EMV-205

## 26dB Bandwidth

## § 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 36 (5180 MHz center frequency) – Antenna 2



Date: 5.DEC.2016 15:50:56

26dB Bandwidth: 19,690 MHz

### LIMIT

### SUBCLAUSE 15.407

Frequency ranges: 5150 – 5250; 5250 – 5350; 5470 – 5650; 5725 – 5850 MHz	26 dB Bandwidth fully inside permitted frequency ranges
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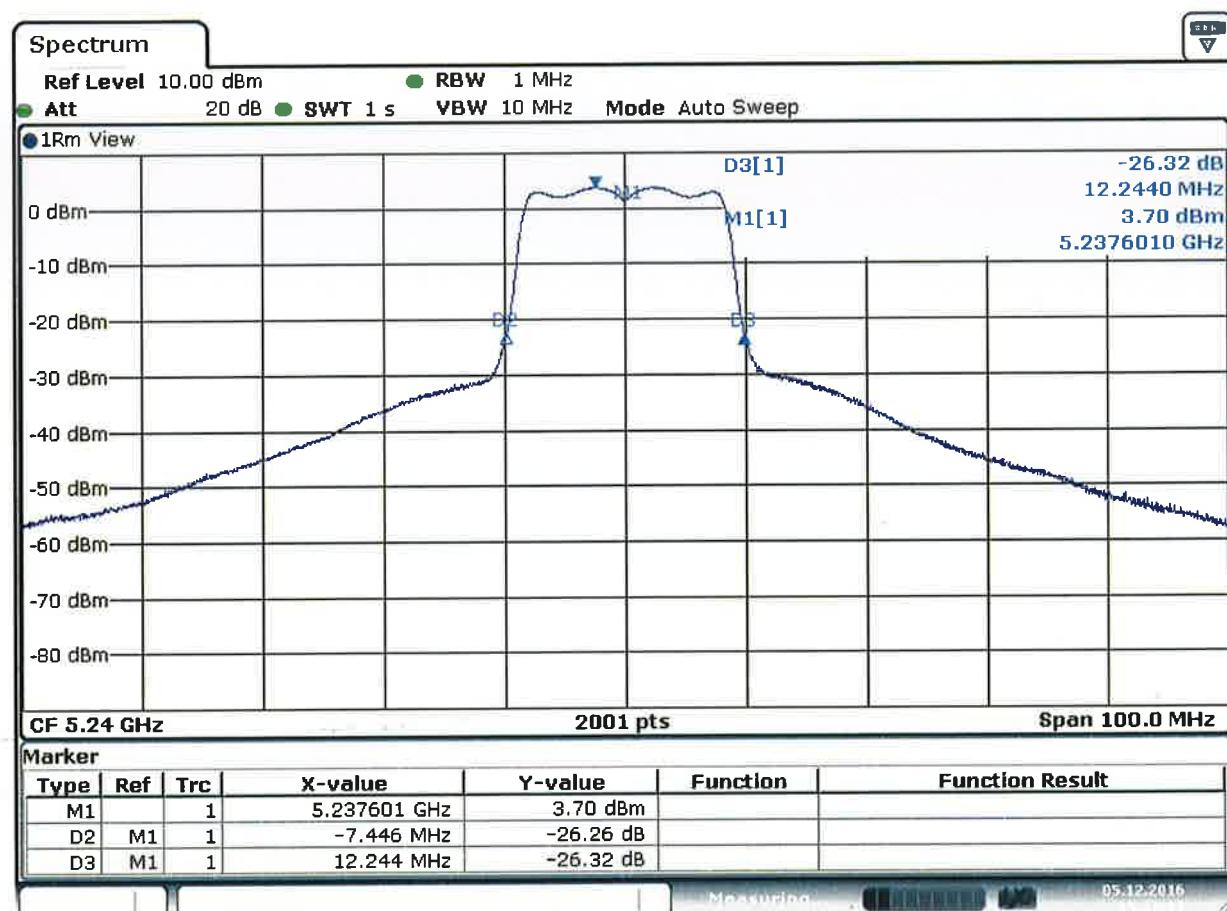
Test Equipment used: EMV-205

## 26dB Bandwidth

## § 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 48 (5240 MHz center frequency) – Antenna 2



Date: 5 DEC 2016 15:52:22

26dB Bandwidth: 19,690 MHz

LIMIT SUBCLAUSE 15.407

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

26 dB Bandwidth fully inside permitted frequency ranges

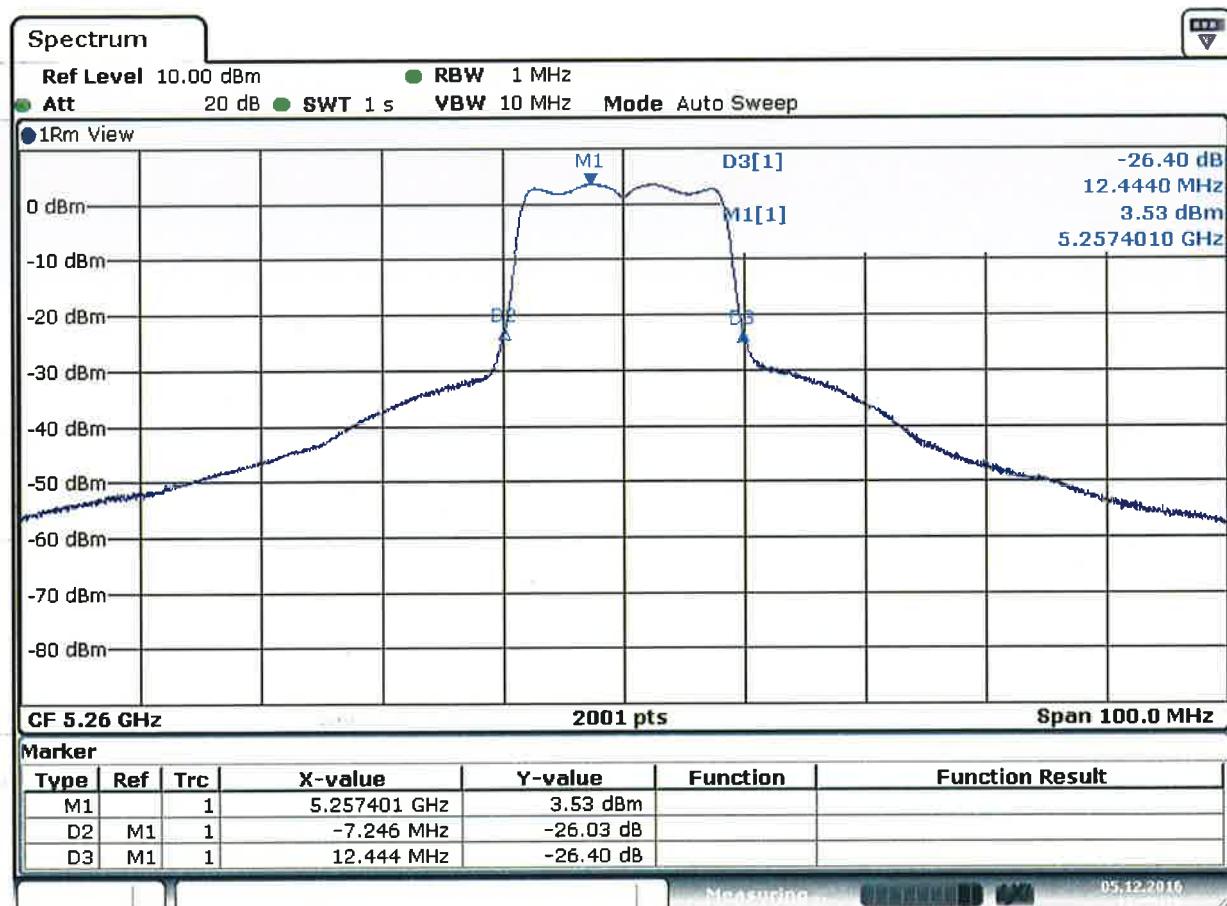
Test Equipment used: EMV-205

## 26dB Bandwidth

## § 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 52 (5260 MHz center frequency) – Antenna 2



Date: 5.DEC.2016 15:55:19

26dB Bandwidth: 19,690 MHz

LIMIT SUBCLAUSE 15.407

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

26 dB Bandwidth fully inside permitted frequency ranges

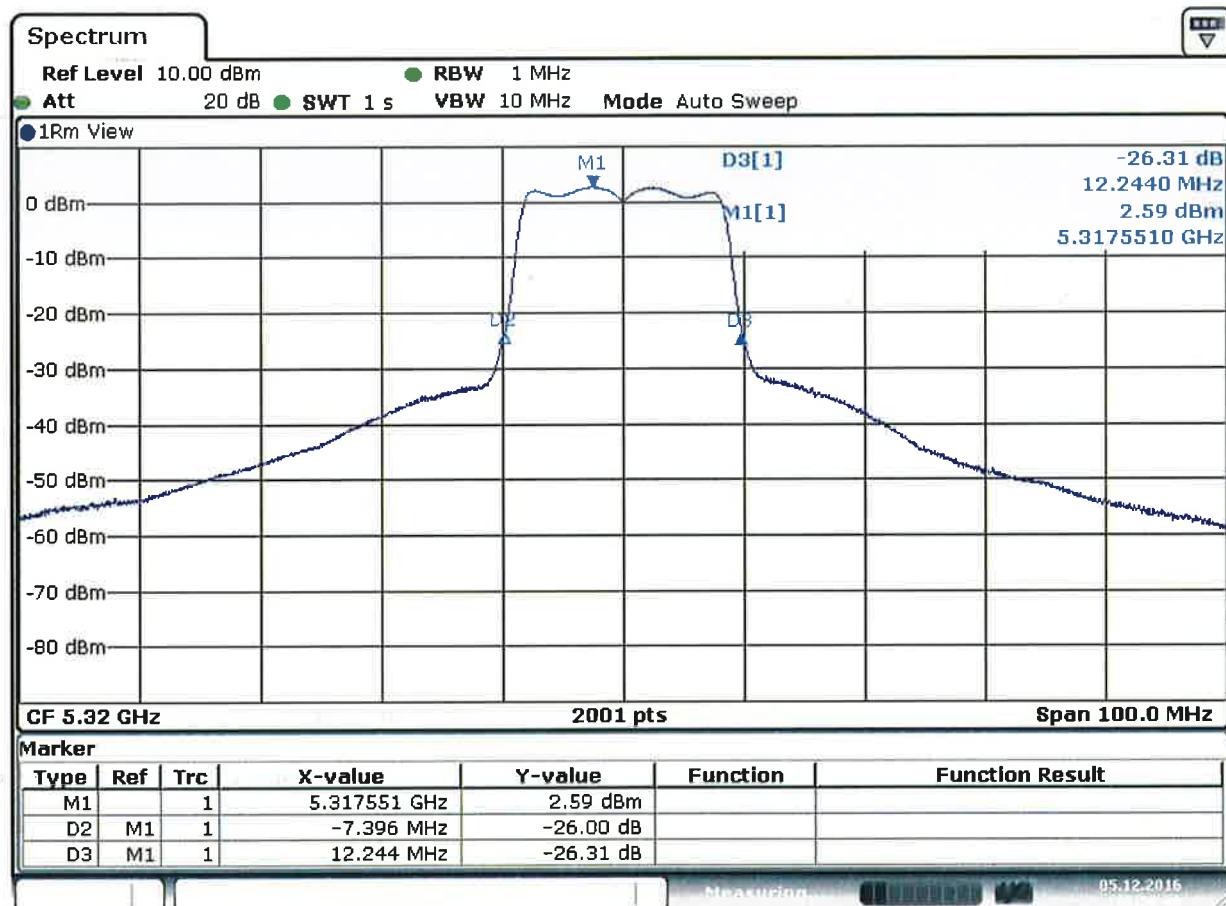
Test Equipment used: EMV-205

#### **26dB Bandwidth**

§ 15.407

## Conducted Measurement

Rated output power: 38,9 mW Channel 64 (5320 MHz center frequency) – Antenna 2



Date: 5 DEC 2016 15:56:49

26dB Bandwidth: 19,640 MHz

LIMIT

**SUBCLAUSE 15.407**

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz      26 dB Bandwidth fully inside permitted frequency ranges

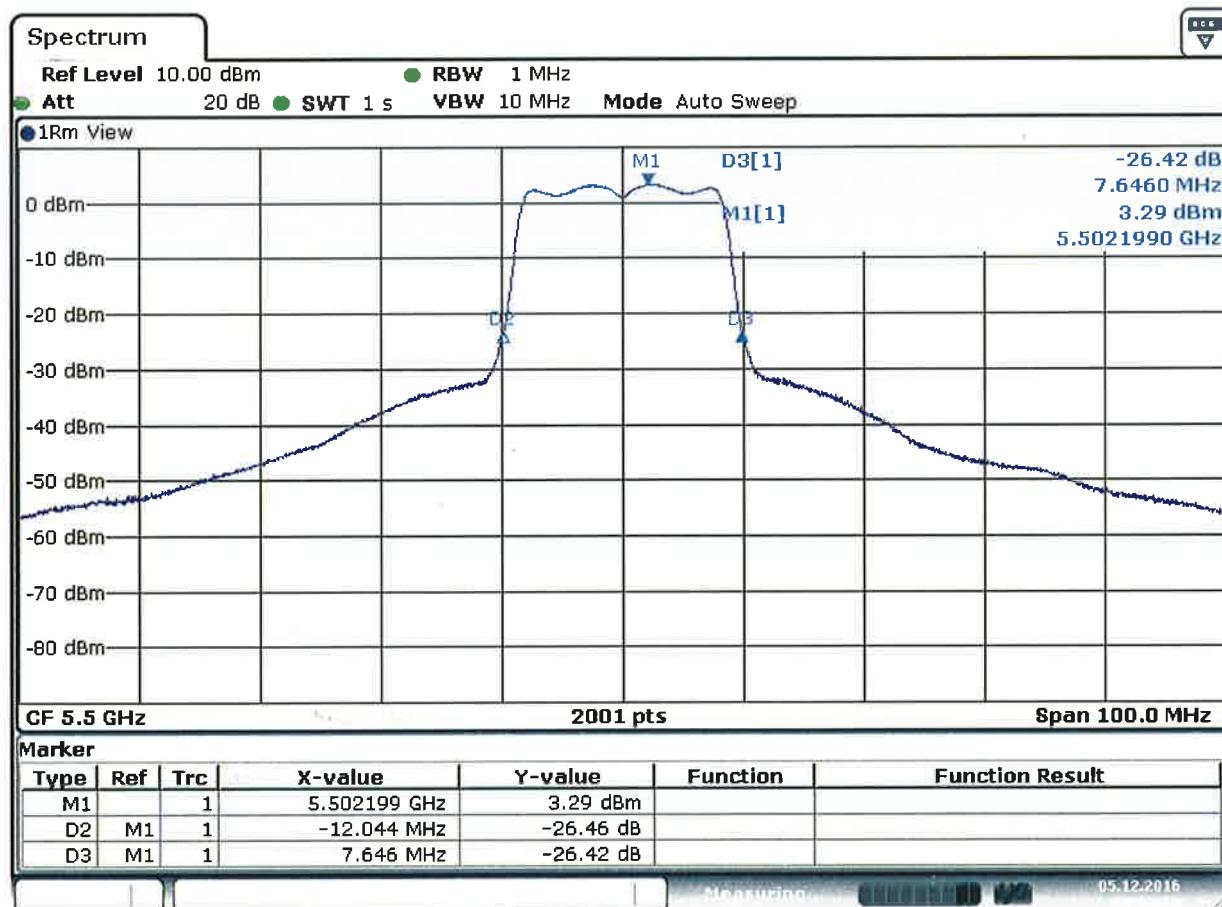
## Test Equipment used: EMV-205

**26dB Bandwidth**

**§ 15.407**

**Conducted Measurement**

Rated output power: 38,9 mW Channel 100 (5500 MHz center frequency) – Antenna 2



Date: 5.DEC.2016 16:01:11

26dB Bandwidth: 19,690 MHz

**LIMIT**                    **SUBCLAUSE 15.407**

Frequency ranges: 5150 – 5250; 5250 – 5350; 5470 – 5650; 5725 – 5850 MHz	26 dB Bandwidth fully inside permitted frequency ranges
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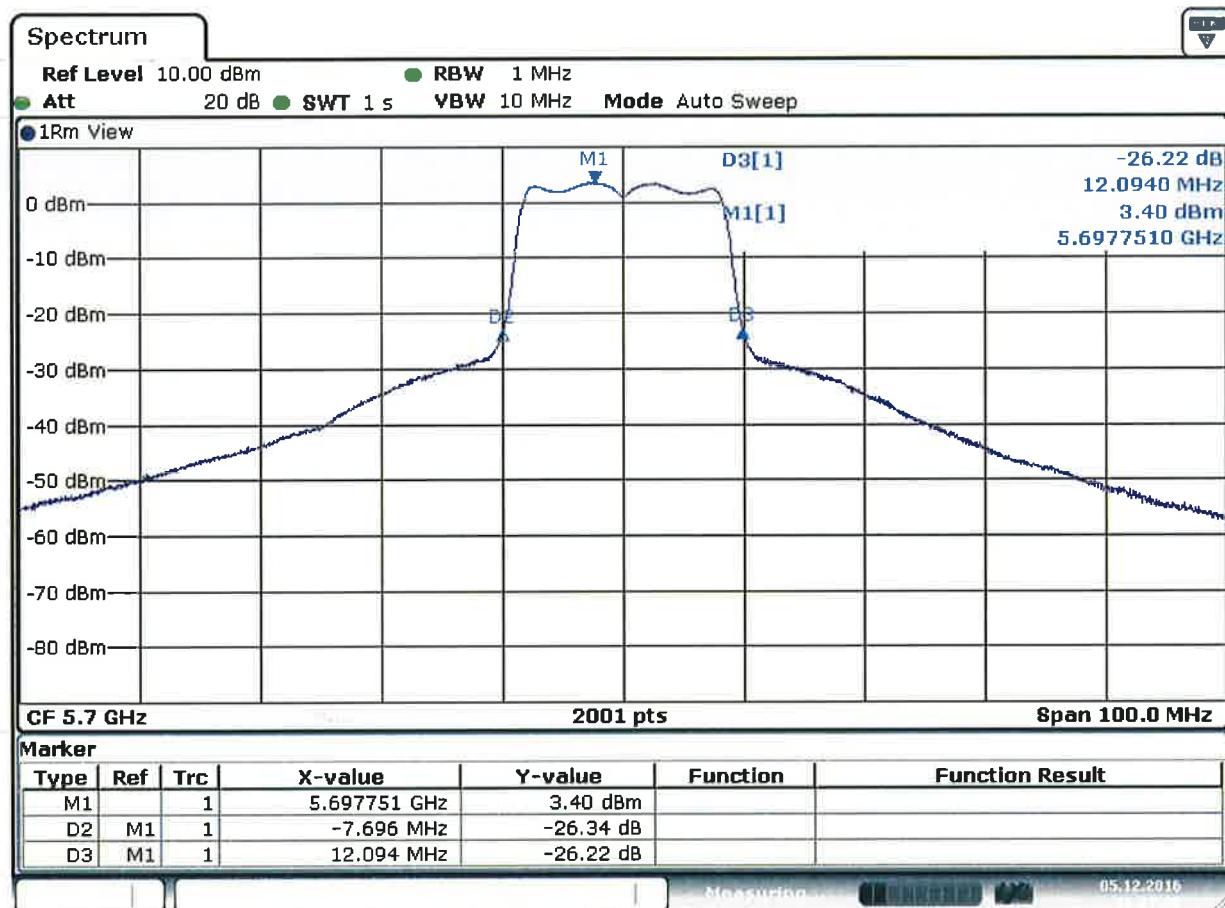
Test Equipment used: EMV-205

## 26dB Bandwidth

## § 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 140 (5700 MHz center frequency) – Antenna 2



Date: 5.DEC.2016 16:02:41

26dB Bandwidth: 19,790 MHz

LIMIT

SUBCLAUSE 15.407

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

26 dB Bandwidth fully inside permitted frequency ranges

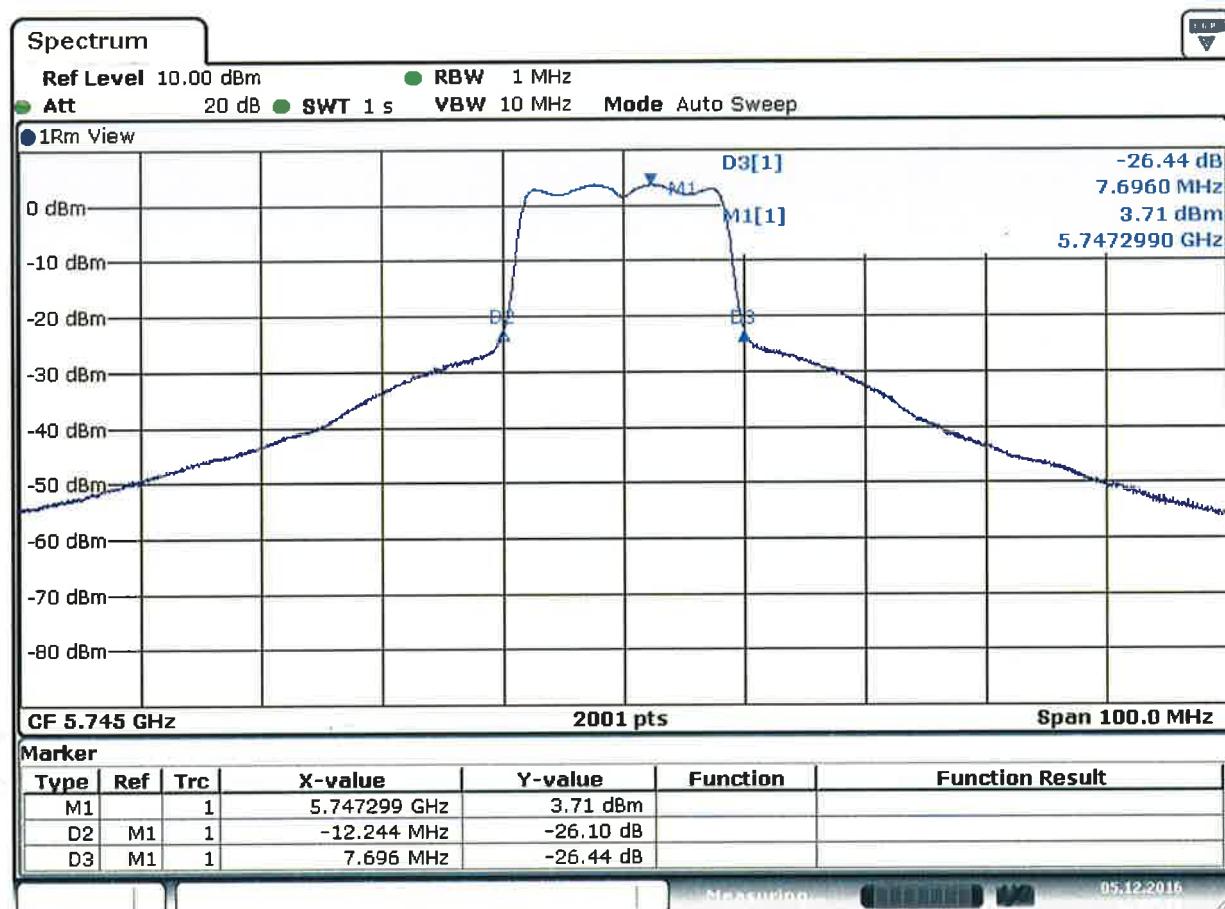
Test Equipment used: EMV-205

## 26dB Bandwidth

## § 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 149 (5745 MHz center frequency) – Antenna 2



Date: 5.DEC.2016 16:07:19

26dB Bandwidth: 19,940 MHz

**LIMIT** **SUBCLAUSE 15.407**

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

26 dB Bandwidth fully inside permitted frequency ranges

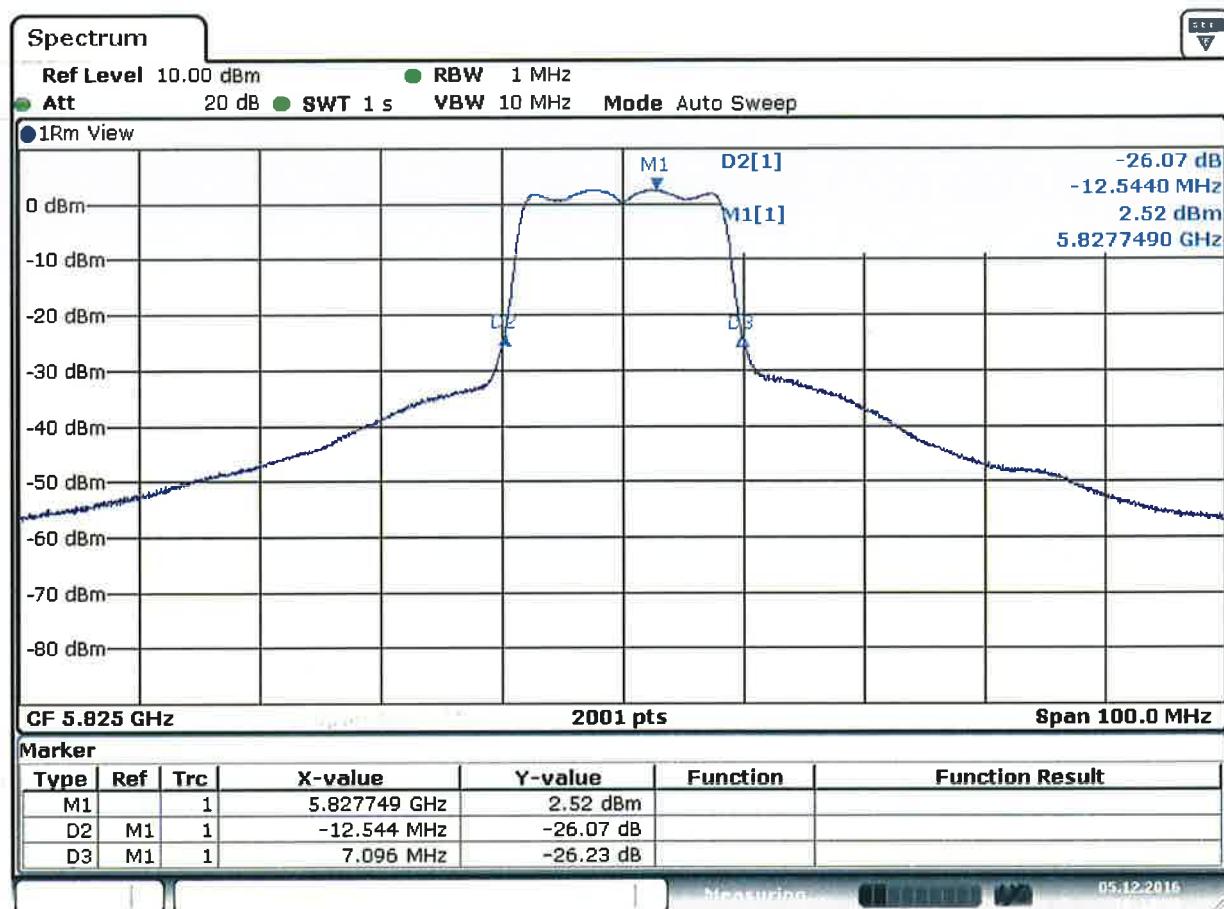
Test Equipment used: EMV-205

## 26dB Bandwidth

## § 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 165 (5825 MHz center frequency) – Antenna 2



Date: 5 DEC 2016 16:12:20

26dB Bandwidth: 19,640 MHz

**LIMIT**                    **SUBCLAUSE 15.407**

Frequency ranges: 5150 – 5250; 5250 – 5350; 5470 – 5650; 5725 – 5850 MHz	26 dB Bandwidth fully inside permitted frequency ranges
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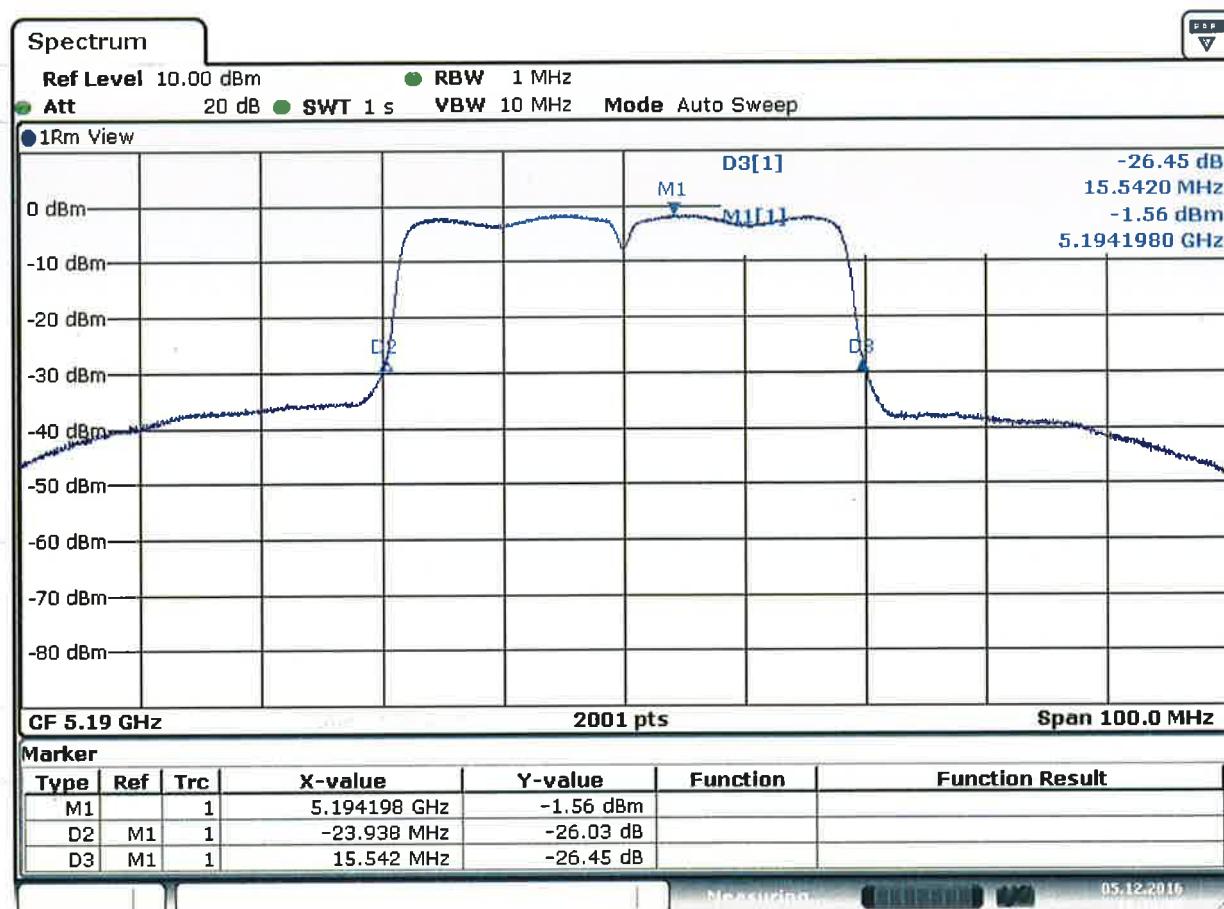
Test Equipment used: EMV-205

## 26dB Bandwidth

## § 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 36-40 (5190 MHz center frequency) – Antenna 2



Date: 5.DEC.2016 16:13:55

26dB Bandwidth: 39,480 MHz

**LIMIT** **SUBCLAUSE 15.407**

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

26 dB Bandwidth fully inside permitted frequency ranges

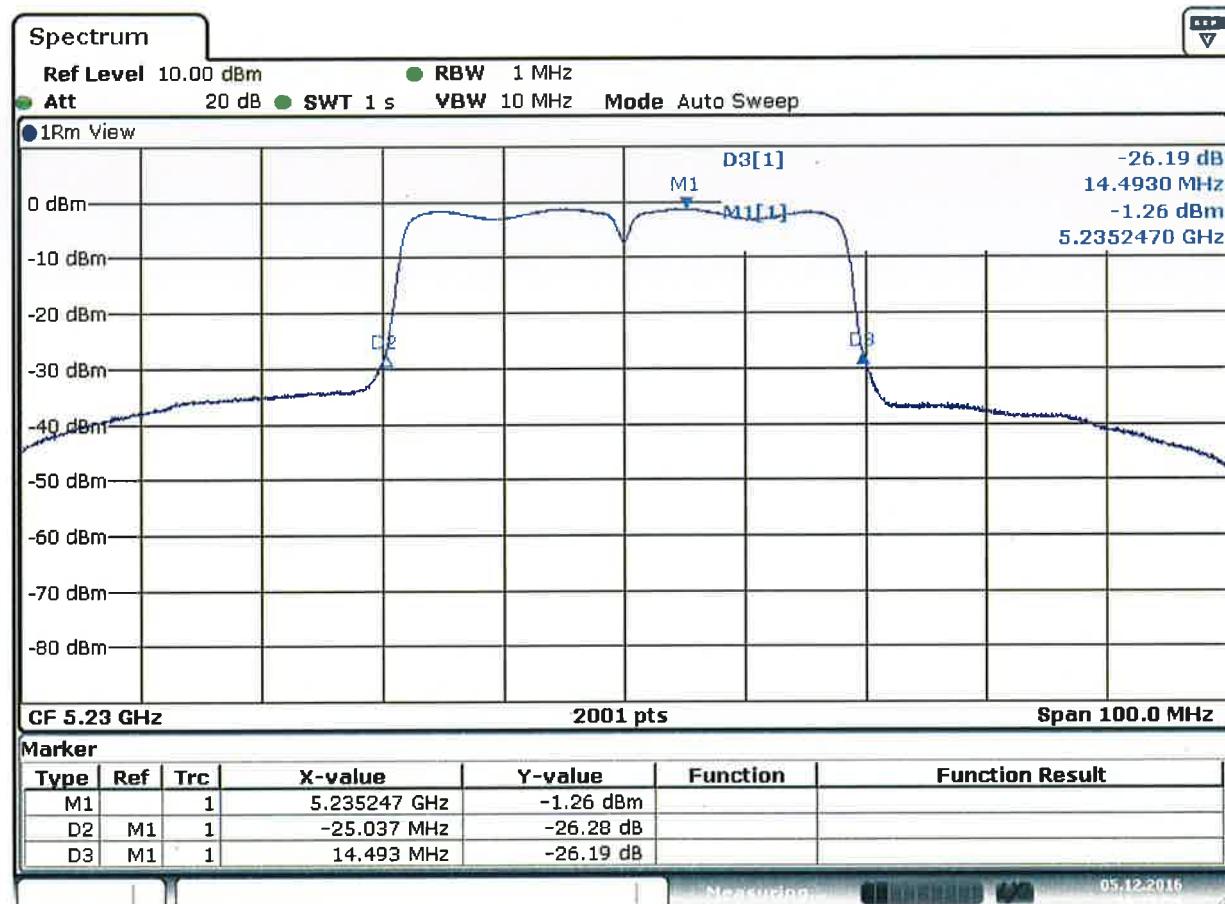
Test Equipment used: EMV-205

**26dB Bandwidth**

§ 15.407

### Conducted Measurement

Rated output power: 38.9 mW Channel 44-48 (5230 MHz center frequency) – Antenna 2



Date: 5 DEC 2016 16:16:55

26dB Bandwidth: 39,530 MHz

LIMIT

**SUBCLAUSE 15.407**

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

26 dB Bandwidth fully inside permitted frequency ranges

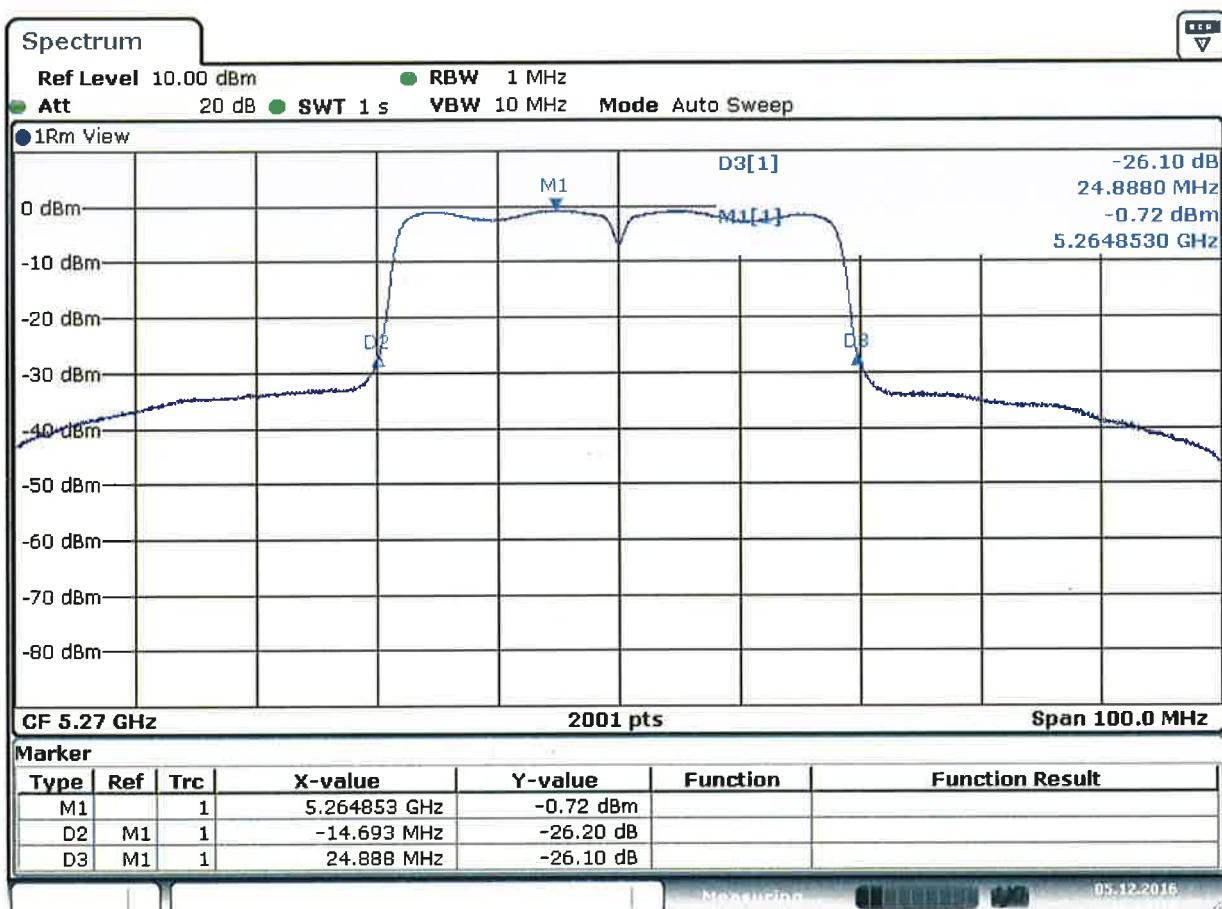
Test Equipment used: EMV-205

## 26dB Bandwidth

## § 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 52-56 (5270 MHz center frequency) – Antenna 2



Date: 5 DEC 2016 16:18:10

26dB Bandwidth: 39,581 MHz

**LIMIT**                    **SUBCLAUSE 15.407**

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

26 dB Bandwidth fully inside permitted frequency ranges

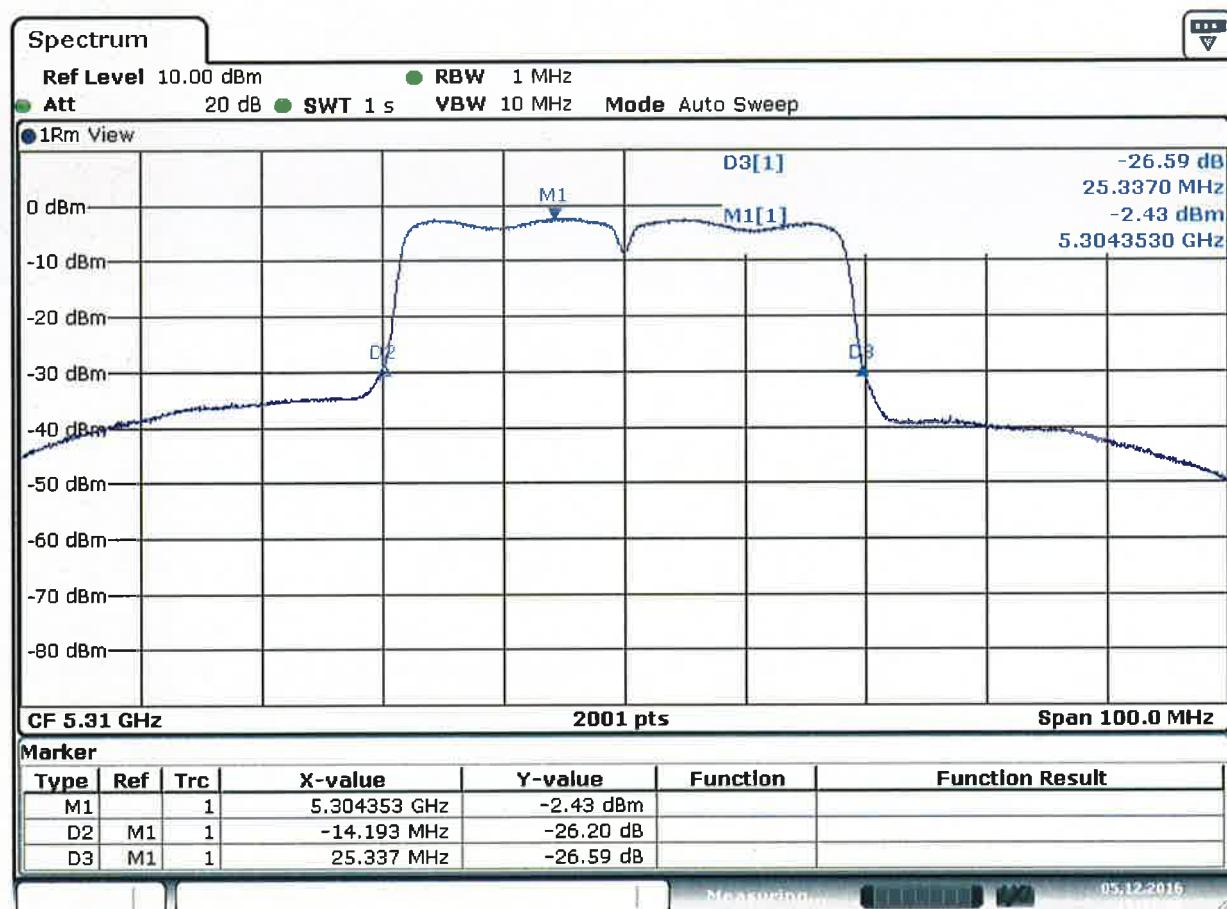
Test Equipment used: EMV-205

## 26dB Bandwidth

§ 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 60-64 (5310 MHz center frequency) – Antenna 2



Date: 5.DEC.2016 16:37:41

26dB Bandwidth: 39,530 MHz

LIMIT SUBCLAUSE 15.407

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

26 dB Bandwidth fully inside permitted frequency ranges

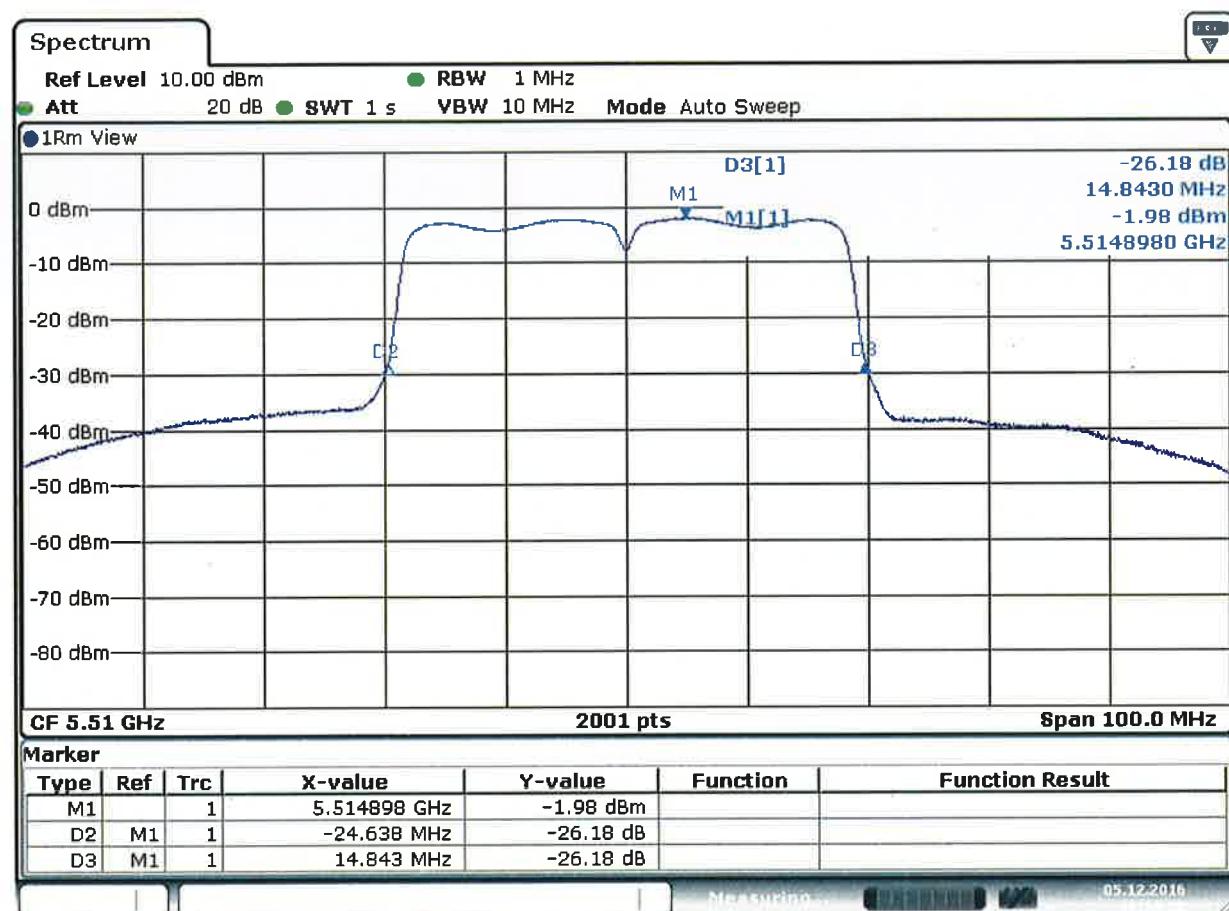
Test Equipment used: EMV-205

## 26dB Bandwidth

## § 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 100-104 (5510 MHz center frequency) -- Antenna 2



Date: 5.DEC.2016 16:38:58

26dB Bandwidth: 39,481 MHz

LIMIT SUBCLAUSE 15.407

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

26 dB Bandwidth fully inside permitted frequency ranges

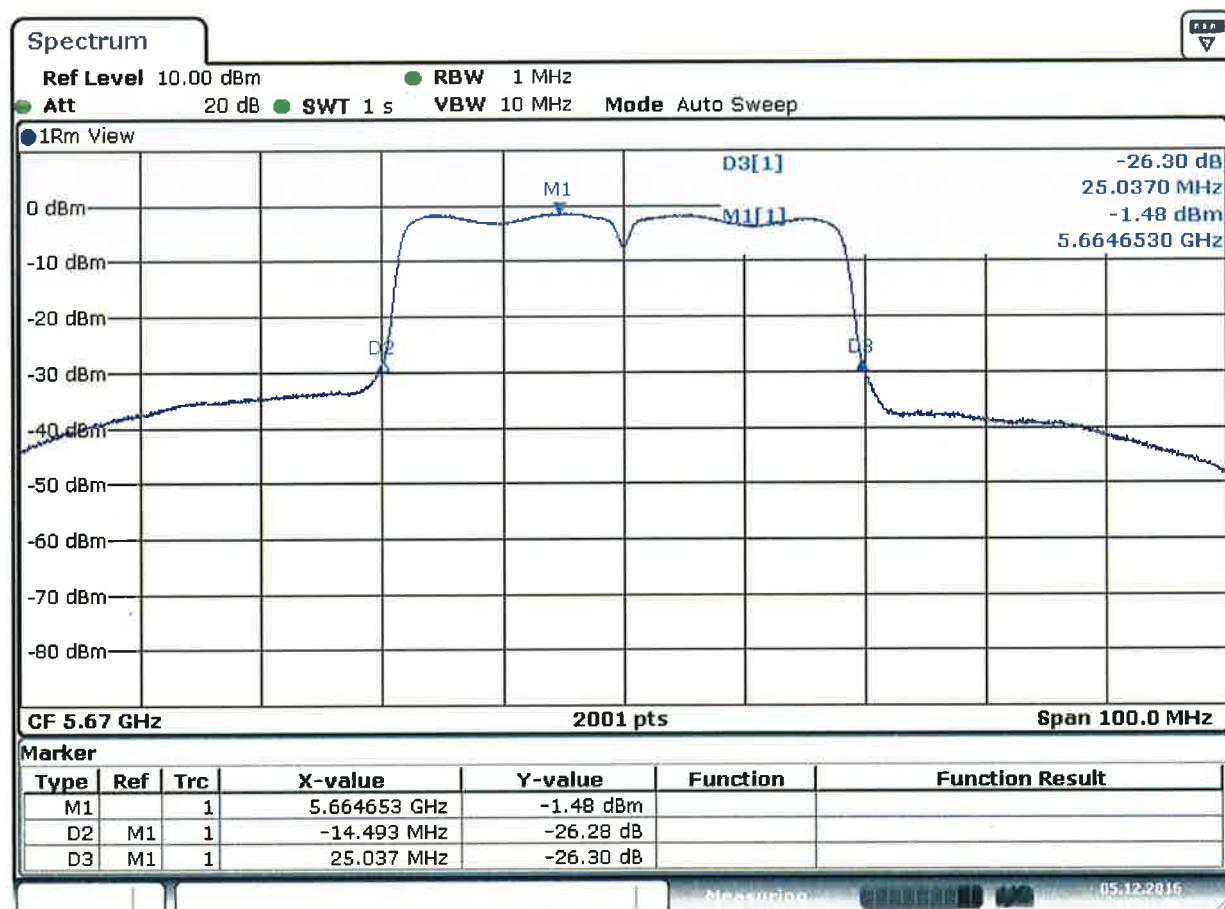
Test Equipment used: EMV-205

## 26dB Bandwidth

## § 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 132-136 (5670 MHz center frequency) – Antenna 2



Date: 5.DEC.2016 16:41:53

26dB Bandwidth: 39,530 MHz

LIMIT SUBCLAUSE 15.407

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

26 dB Bandwidth fully inside permitted frequency ranges

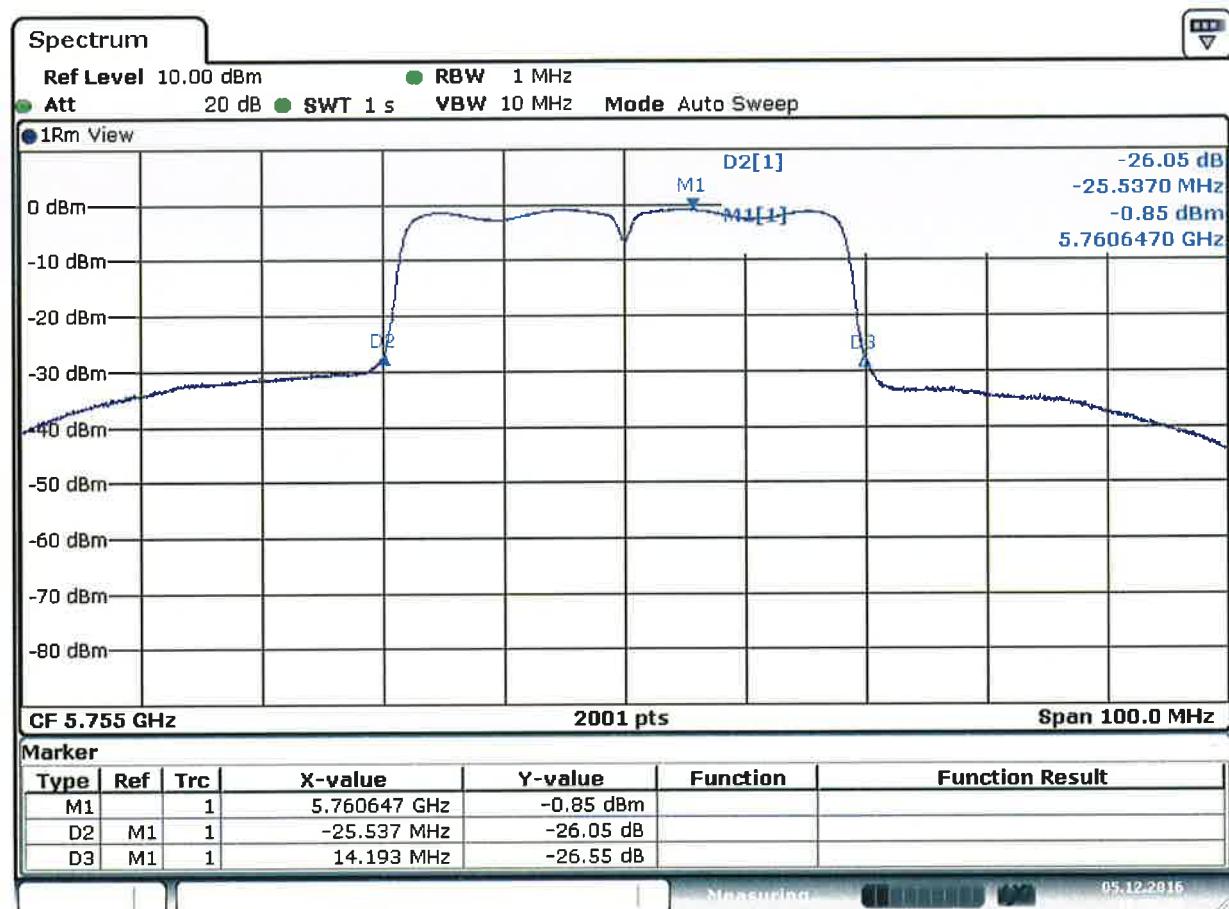
Test Equipment used: EMV-205

## 26dB Bandwidth

§ 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 149-153 (5755 MHz center frequency) – Antenna 2



Date: 5 DEC 2016 16:44:22

26dB Bandwidth: 39,730 MHz

**LIMIT**                    **SUBCLAUSE 15.407**

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

26 dB Bandwidth fully inside permitted frequency ranges

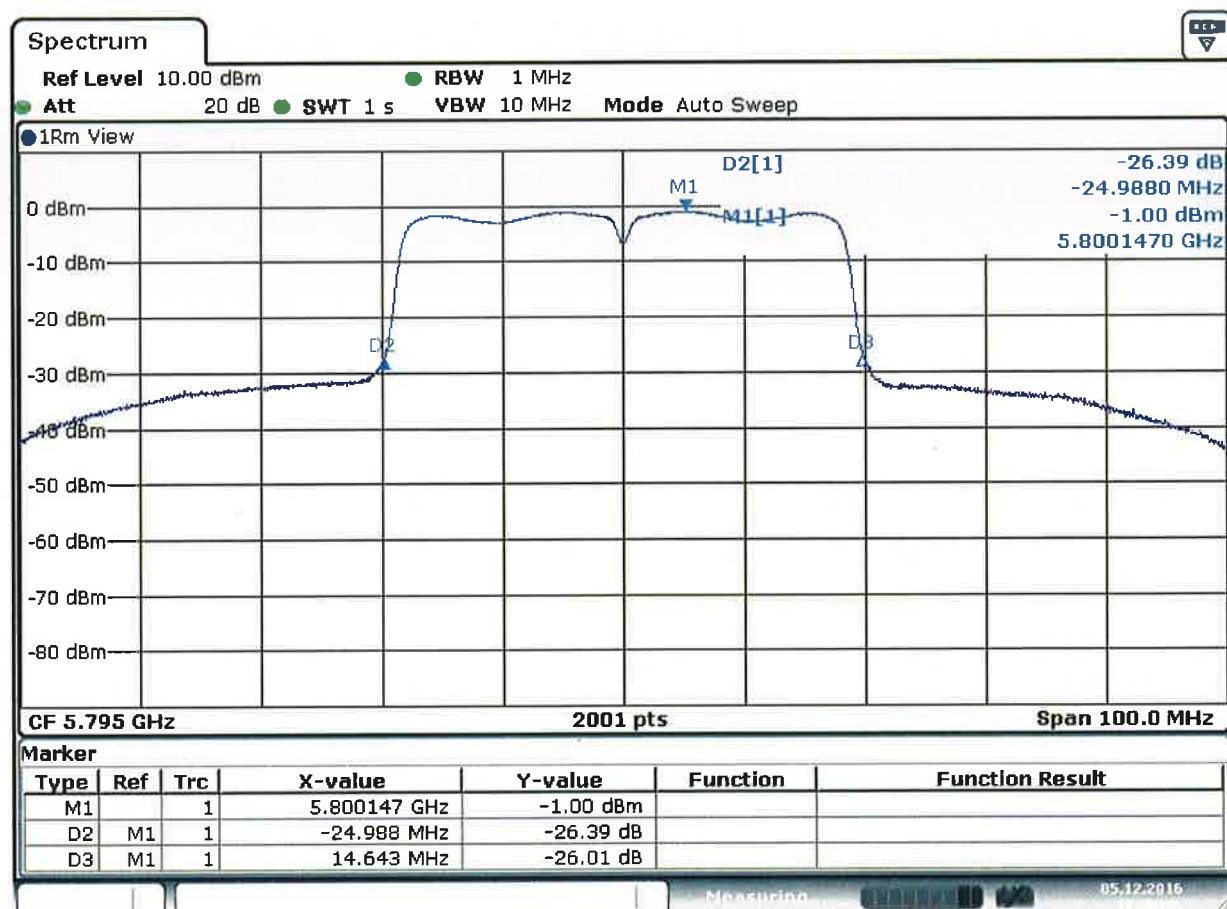
Test Equipment used: EMV-205

## 26dB Bandwidth

## § 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 157-161 (5795 MHz center frequency) – Antenna 2



Date: 5.DEC.2016 16:48:46

26dB Bandwidth: 39,631 MHz

**LIMIT** **SUBCLAUSE 15.407**

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

26 dB Bandwidth fully inside permitted frequency ranges

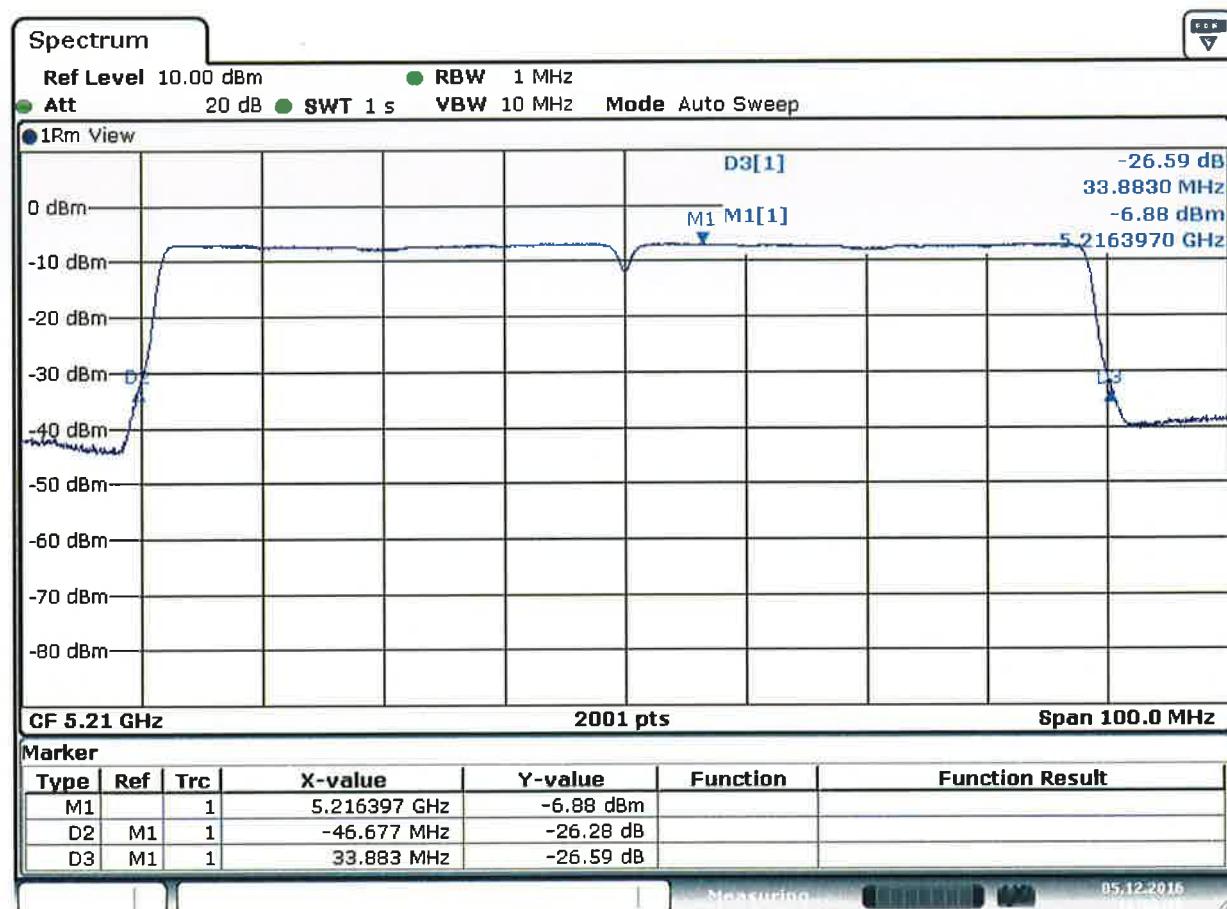
Test Equipment used: EMV-205

## 26dB Bandwidth

## § 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 36-48 (5210 MHz center frequency) – Antenna 2



Date: 5.DEC.2016 16:50:10

26dB Bandwidth: 80,560 MHz

LIMIT SUBCLAUSE 15.407

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

26 dB Bandwidth fully inside permitted frequency ranges

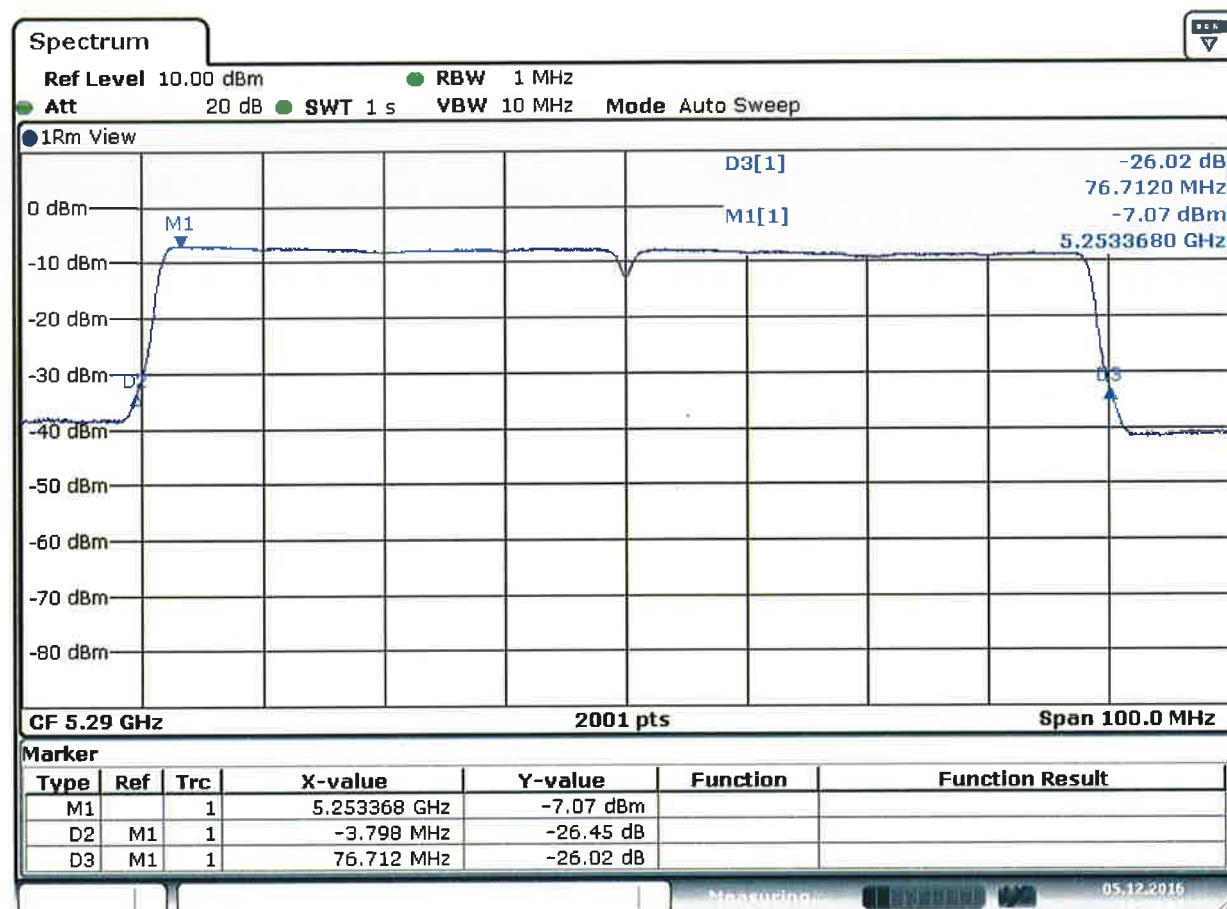
Test Equipment used: EMV-205

## 26dB Bandwidth

## § 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 52-64 (5290 MHz center frequency) – Antenna 2



Date: 5.DEC.2016 16:53:02

26dB Bandwidth: 80,510 MHz

LIMIT SUBCLAUSE 15.407

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

26 dB Bandwidth fully inside permitted frequency ranges

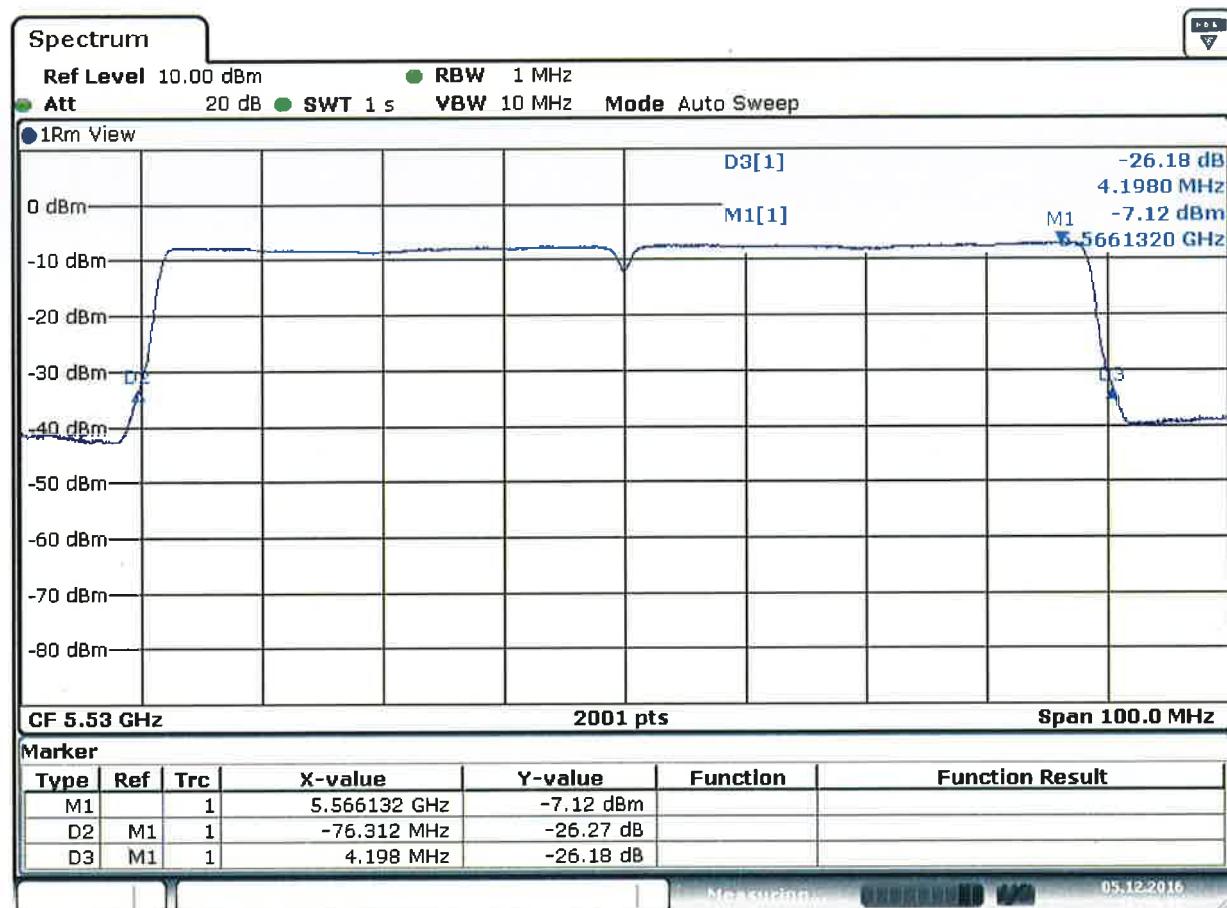
Test Equipment used: EMV-205

## 26dB Bandwidth

## § 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 100-112 (5530 MHz center frequency) – Antenna 2



Date: 5.DEC.2016 16:54:19

26dB Bandwidth: 80,510 MHz

LIMIT SUBCLAUSE 15.407

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

26 dB Bandwidth fully inside permitted frequency ranges

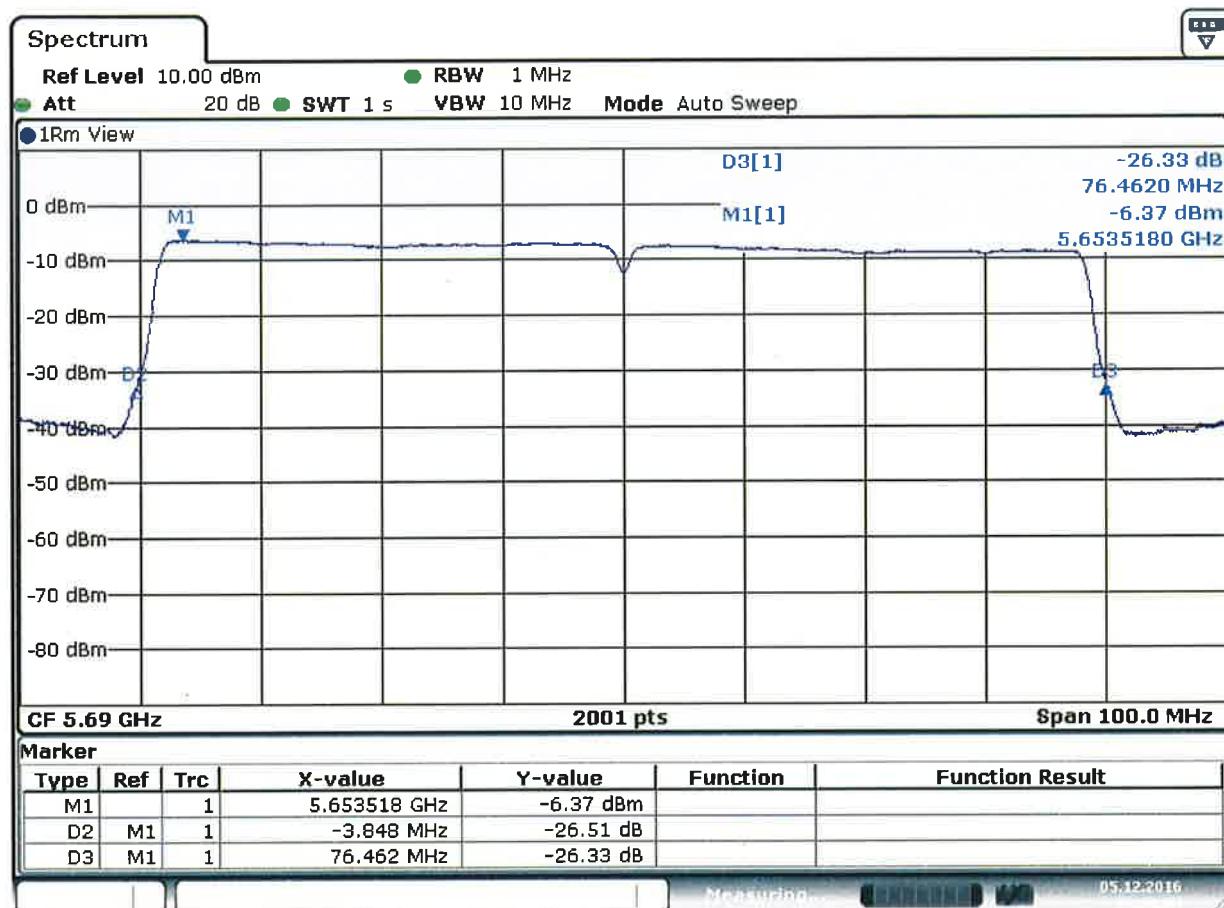
Test Equipment used: EMV-205

## 26dB Bandwidth

## § 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 132-144 (5690 MHz center frequency) – Antenna 2



Date: 5.DEC.2016 16:58:05

26dB Bandwidth: 80,310 MHz

**LIMIT** **SUBCLAUSE 15.407**

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

26 dB Bandwidth fully inside permitted frequency ranges

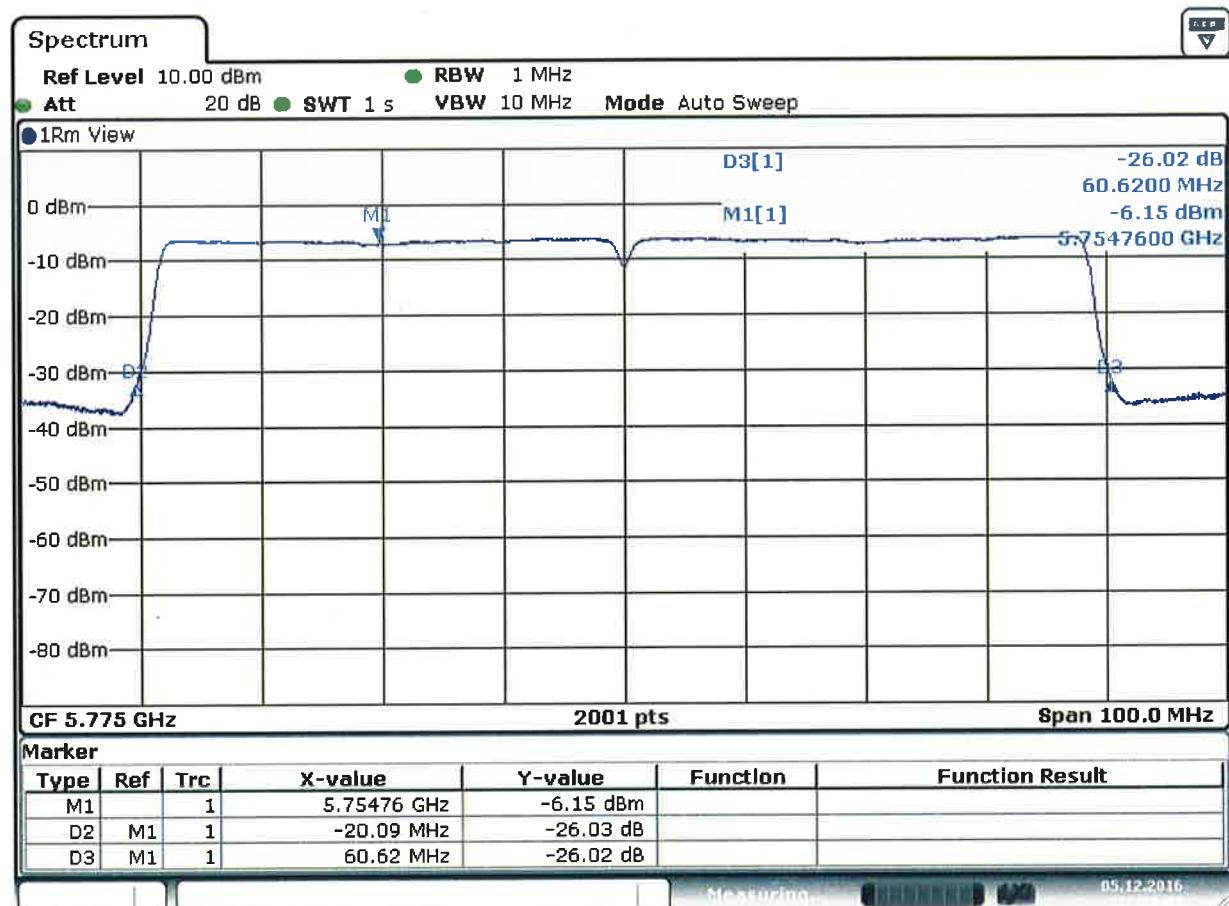
Test Equipment used: EMV-205

## 26dB Bandwidth

§ 15.407

### Conducted Measurement

Rated output power: 38,9 mW Channel 149-161 (5725 MHz center frequency) – Antenna 2



Date: 5.DEC.2016 17:00:02

26dB Bandwidth: 80,710 MHz

LIMIT SUBCLAUSE 15.407

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

26 dB Bandwidth fully inside permitted frequency ranges

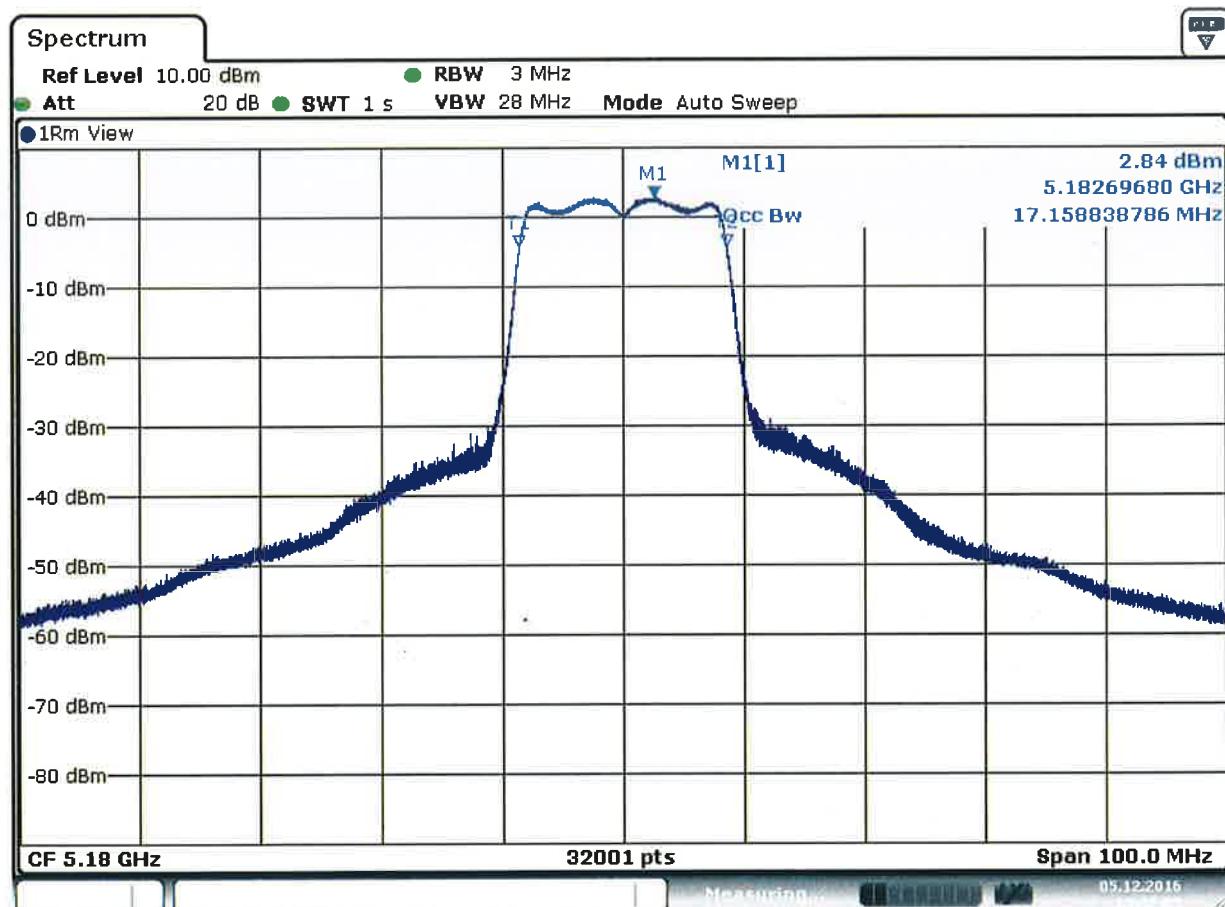
Test Equipment used: EMV-205

**99% Bandwidth**

**§ 6.2.1 (1)**

**Conducted Measurement**

Rated output power: 38,9 mW Channel 36 (5180 MHz center frequency) – Antenna 1



Date: 5.DEC.2016 13:33:00

99% Bandwidth: 17,159 MHz

**LIMIT**                    **SUBCLAUSE 15.407**

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

99% Bandwidth fully inside permitted frequency ranges

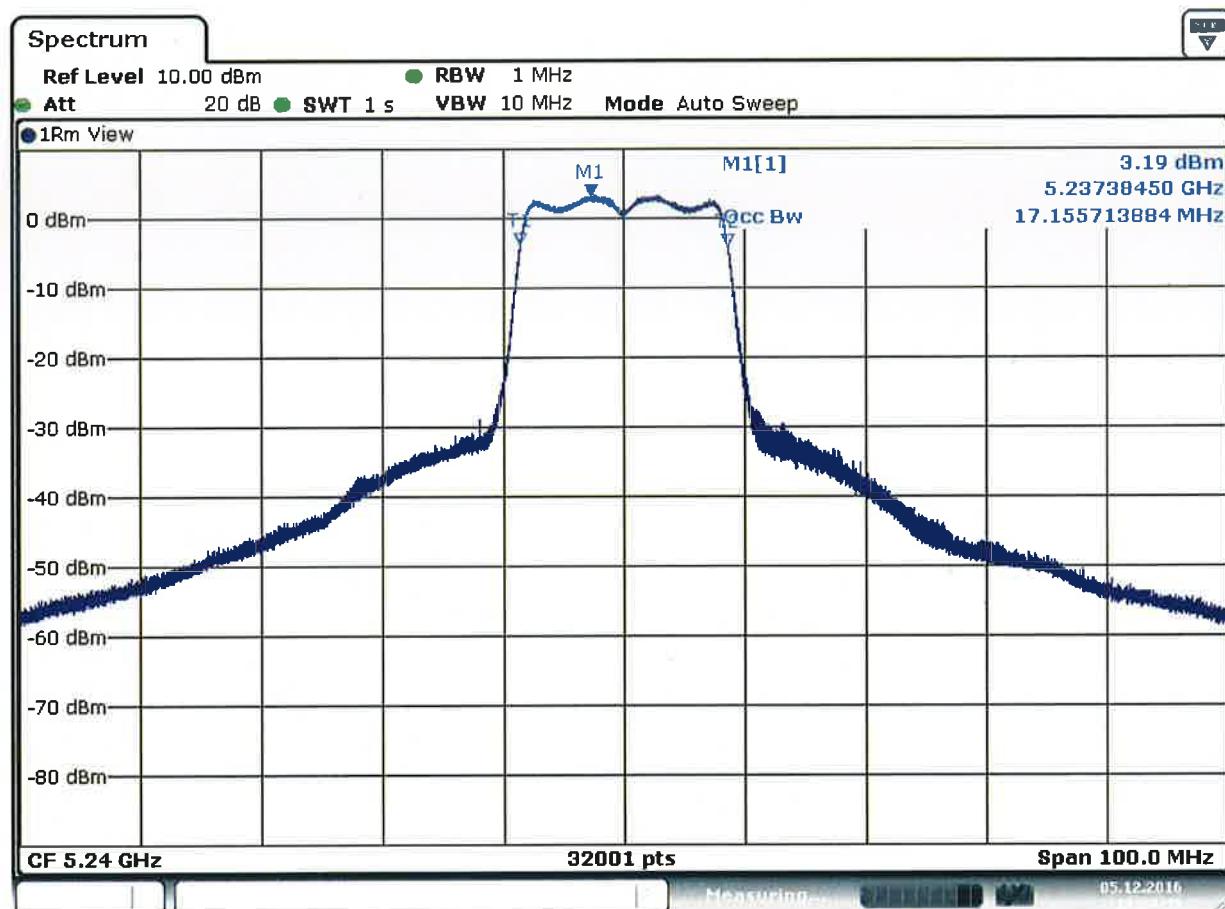
Test Equipment used: EMV-205

**99% Bandwidth**

**§ 6.2.1 (1)**

**Conducted Measurement**

Rated output power: 38,9 mW Channel 48 (5240 MHz center frequency) – Antenna 1



Date: 5 DEC 2016 13:34:39

99% Bandwidth: 17,156 MHz

**LIMIT** **SUBCLAUSE 15.407 – 6.2.1 (2)**

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

99% Bandwidth fully inside permitted frequency ranges

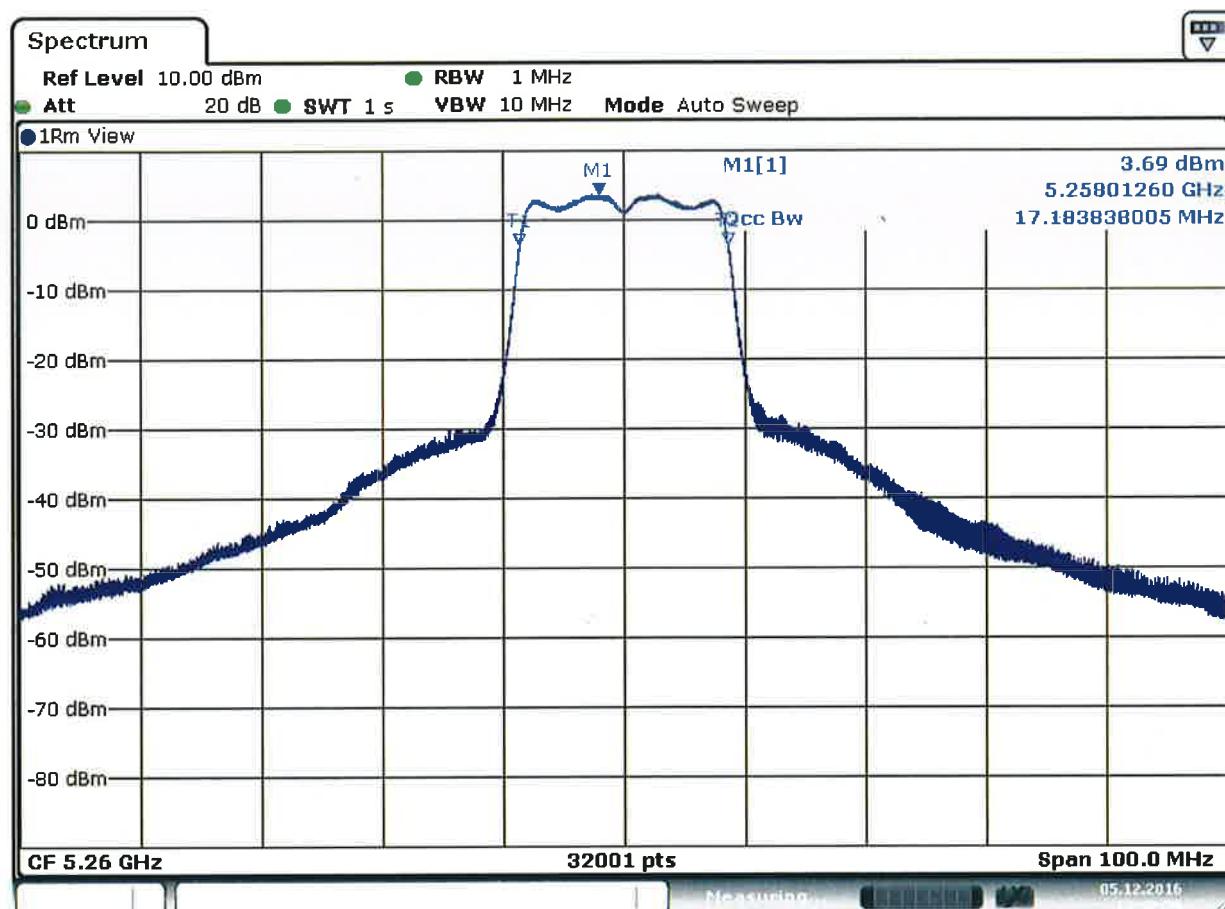
Test Equipment used: EMV-205

**99% Bandwidth**

**§ 6.2.2 (1)**

Conducted Measurement

Rated output power: 38,9 mW Channel 52 (5260 MHz center frequency) – Antenna 1



Date: 5.DEC.2016 13:42:59

99% Bandwidth: 17,184 MHz

**LIMIT** SUBCLAUSE 15.407 – 6.2.1 (2)

Frequency ranges: 5150 – 5250; 5250 – 5350;  
5470 – 5650; 5725 – 5850 MHz

99% Bandwidth fully inside permitted frequency ranges

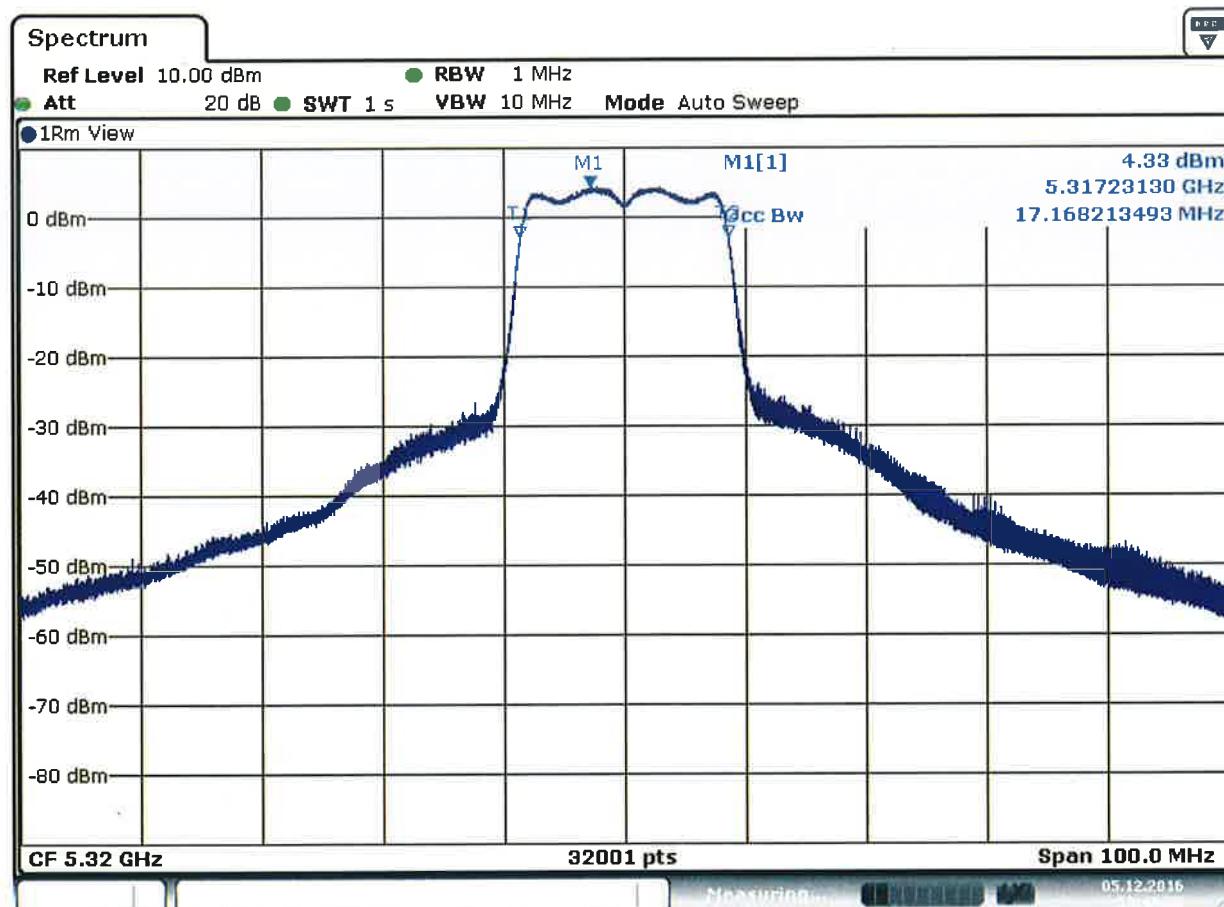
Test Equipment used: EMV-205

**99% Bandwidth**

**§ 6.2.2 (1)**

**Conducted Measurement**

Rated output power: 38,9 mW Channel 64 (5320 MHz center frequency) – Antenna 1



Date: 5.DEC.2016 13:45:25

99% Bandwidth: 17,168 MHz

**LIMIT**                    **SUBCLAUSE 15.407 – 6.2.1 (2)**

Frequency ranges: 5150 – 5250; 5250 – 5350; 5470 – 5650; 5725 – 5850 MHz	99% Bandwidth fully inside permitted frequency ranges
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Test Equipment used: EMV-205