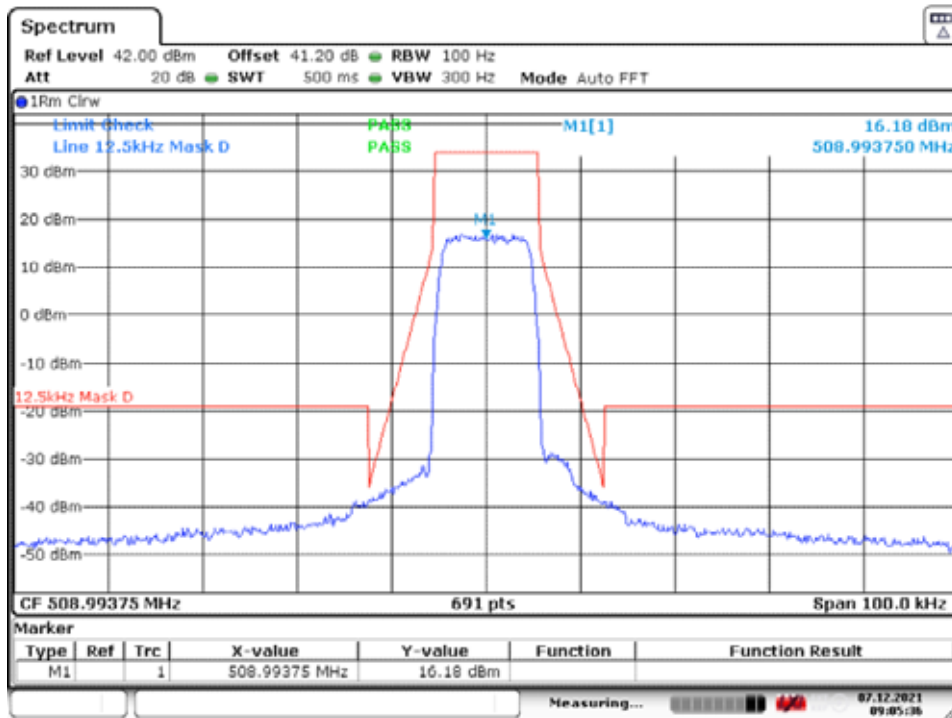


Date: 7.DEC.2021 09:05:28

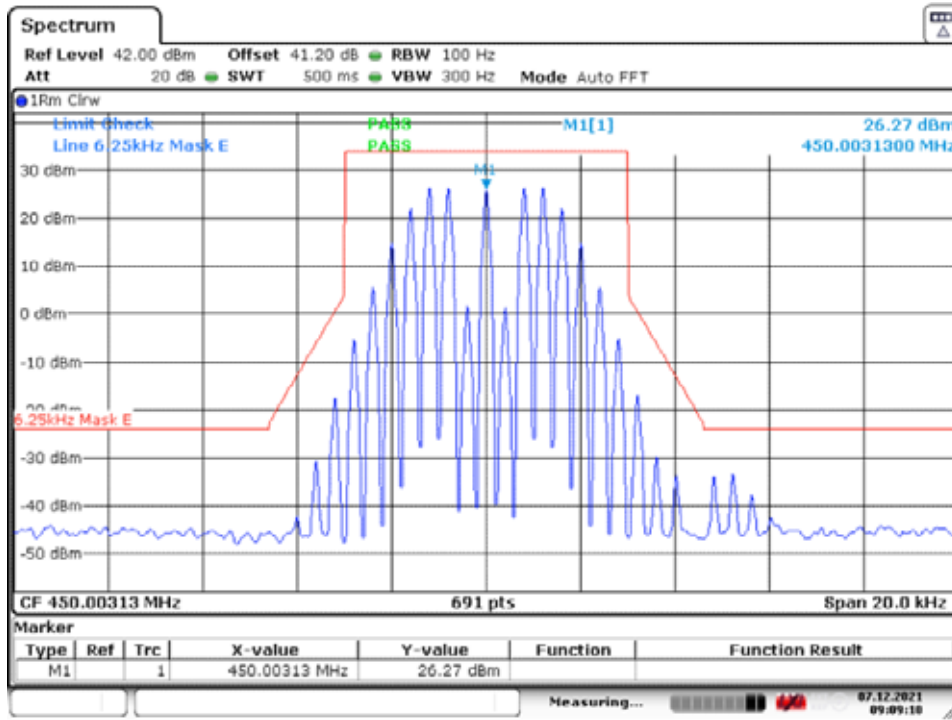
With the input signal amplitude set the AGC threshold
 High Frequency: 508.99375MHz



Date: 7.DEC.2021 09:05:37

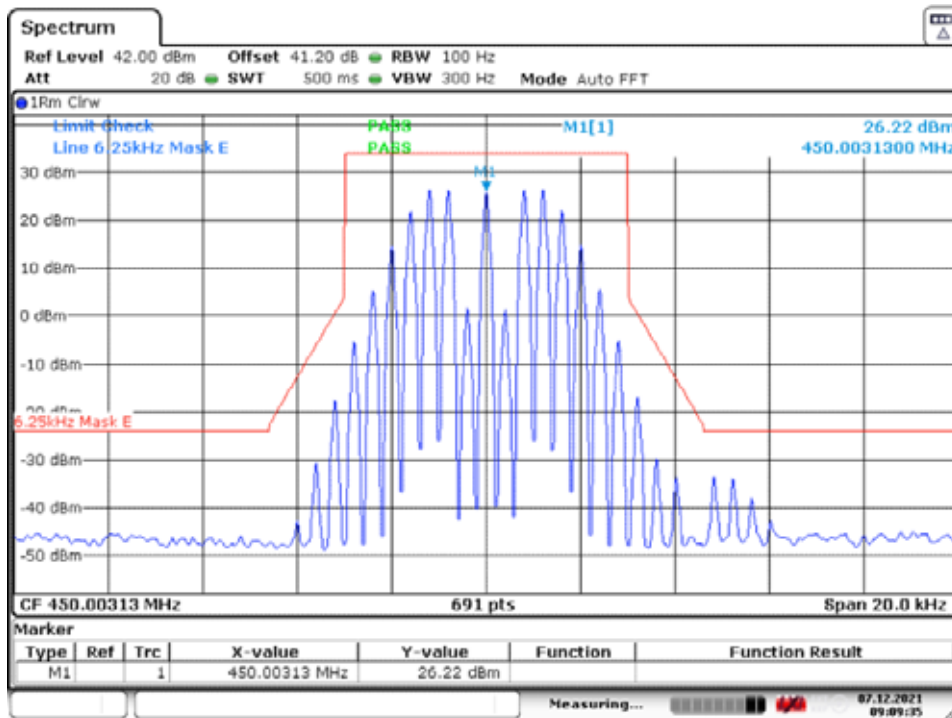
With the input signal amplitude set 3 dB above the AGC threshold
 High Frequency: 508.99375MHz

10.5.5.1.1.1.3. 6.25kHz Analog FM mode



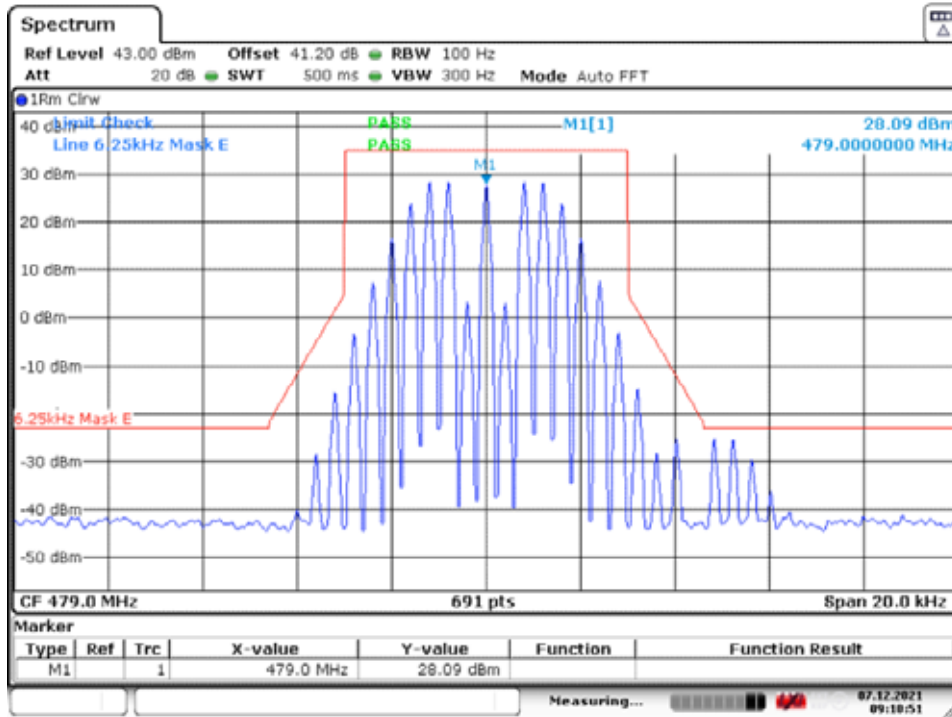
Date: 7.DEC.2021 09:09:11

With the input signal amplitude set the AGC threshold
Low Frequency: 450.00313MHz



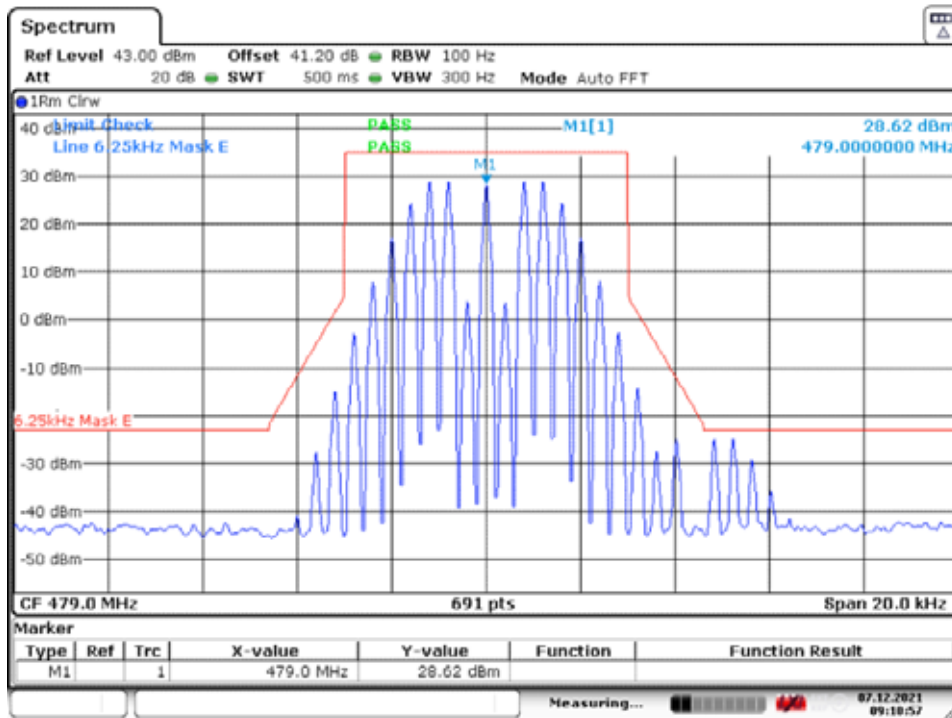
Date: 7.DEC.2021 09:09:35

With the input signal amplitude set 3 dB above the AGC threshold
Low Frequency: 450.00313MHz



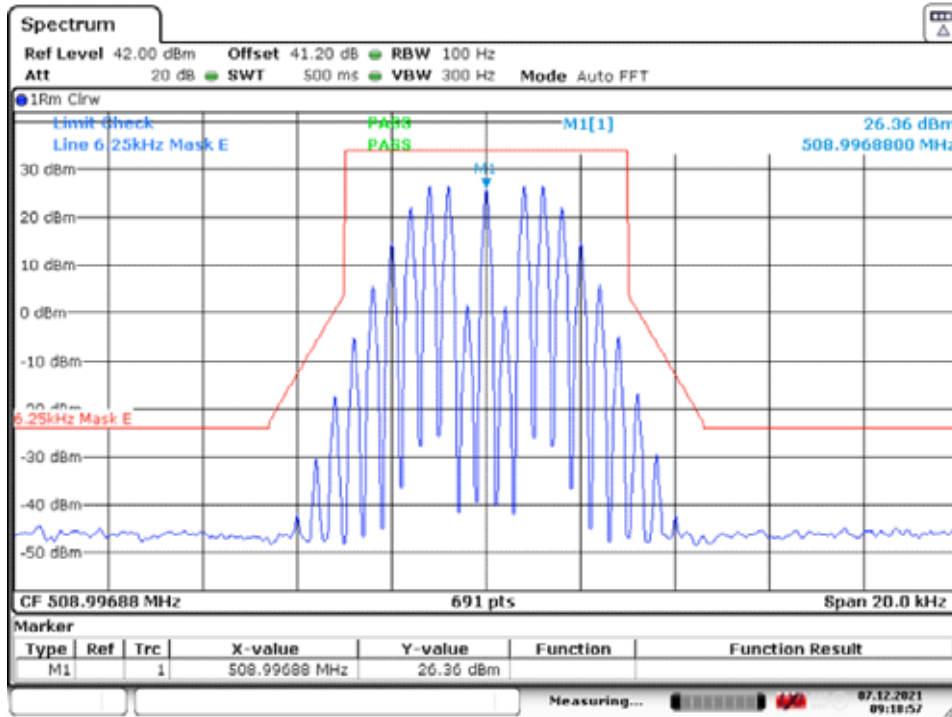
Date: 7.DEC.2021 09:10:51

With the input signal amplitude set the AGC threshold
Middle Frequency: 479.0MHz



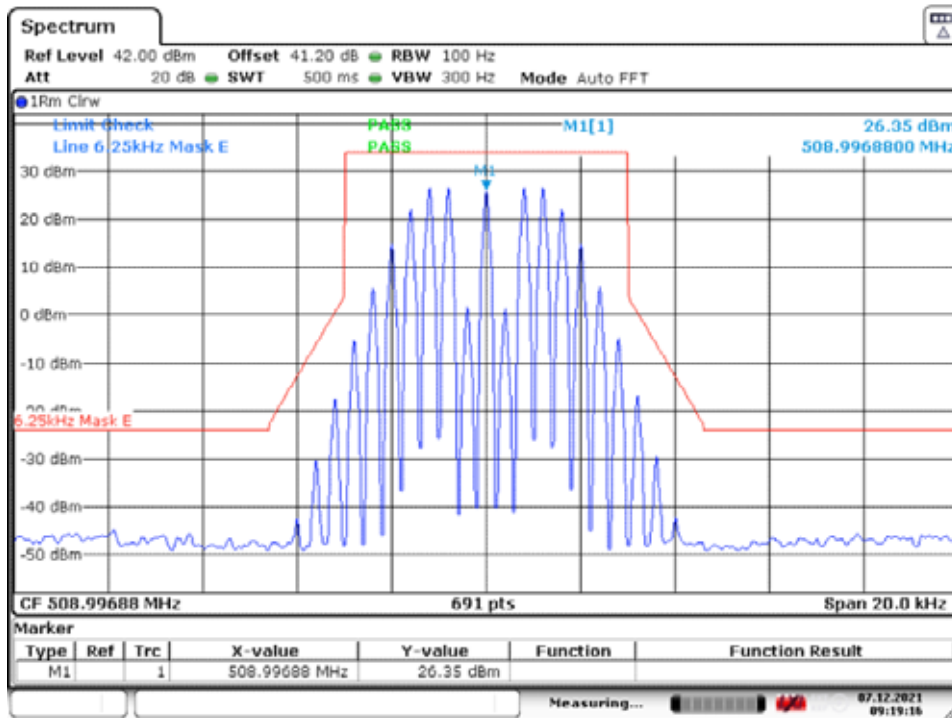
Date: 7.DEC.2021 09:10:57

With the input signal amplitude set 3 dB above the AGC threshold
Middle Frequency: 479.0MHz



Date: 7.DEC.2021 09:18:57

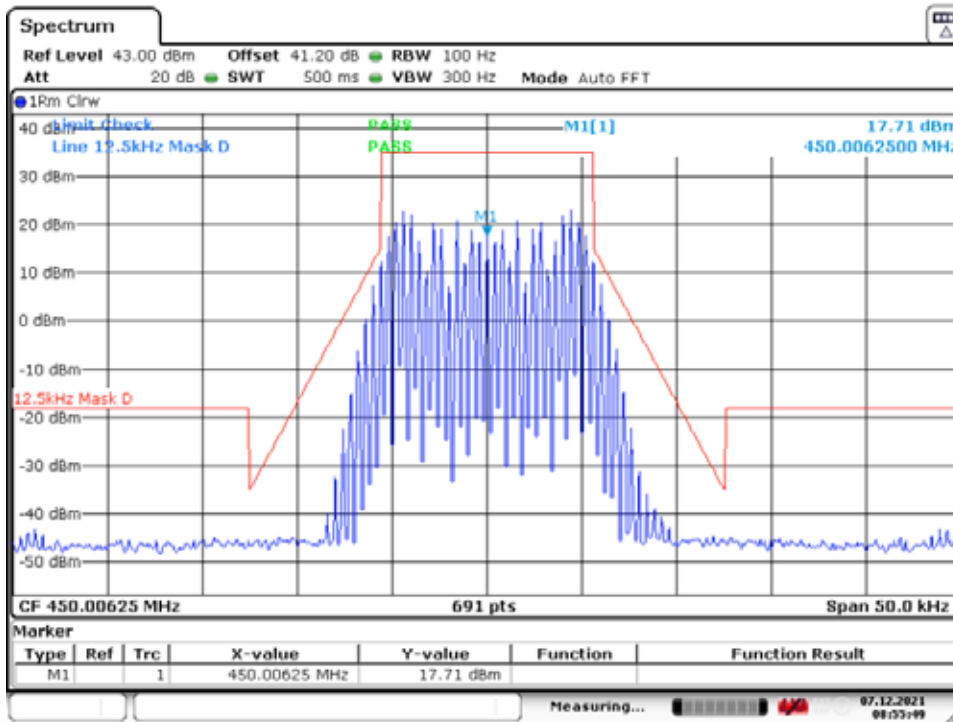
With the input signal amplitude set the AGC threshold
 High Frequency: 508.99688MHz



Date: 7.DEC.2021 09:19:16

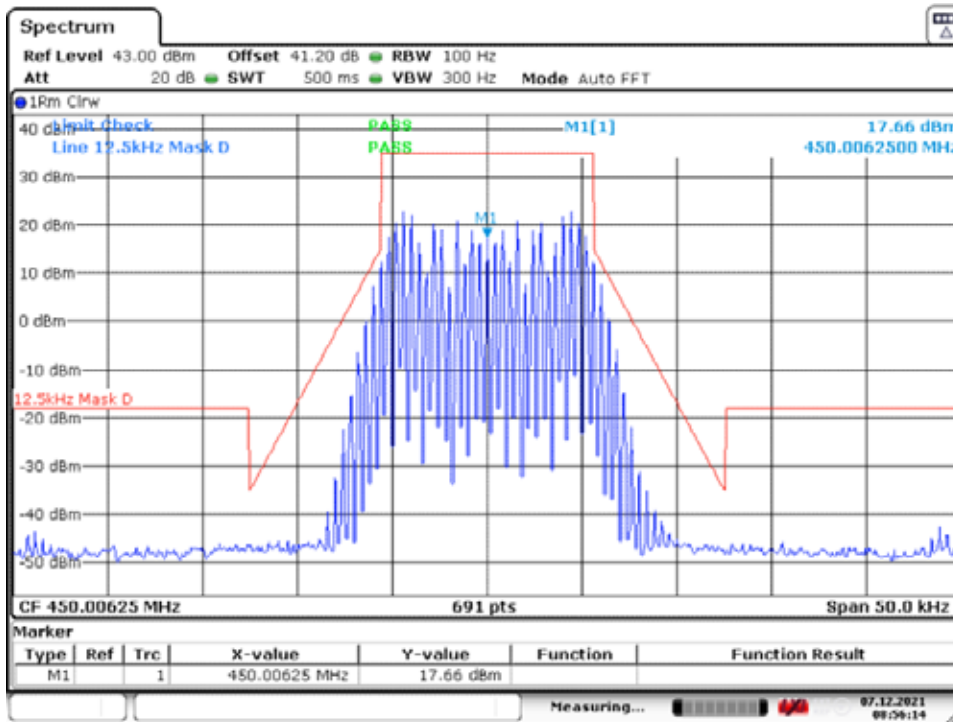
With the input signal amplitude set 3 dB above the AGC threshold
 High Frequency: 508.99688MHz

10.5.5.1.1.1.4. 12.5kHz Analog FM mode



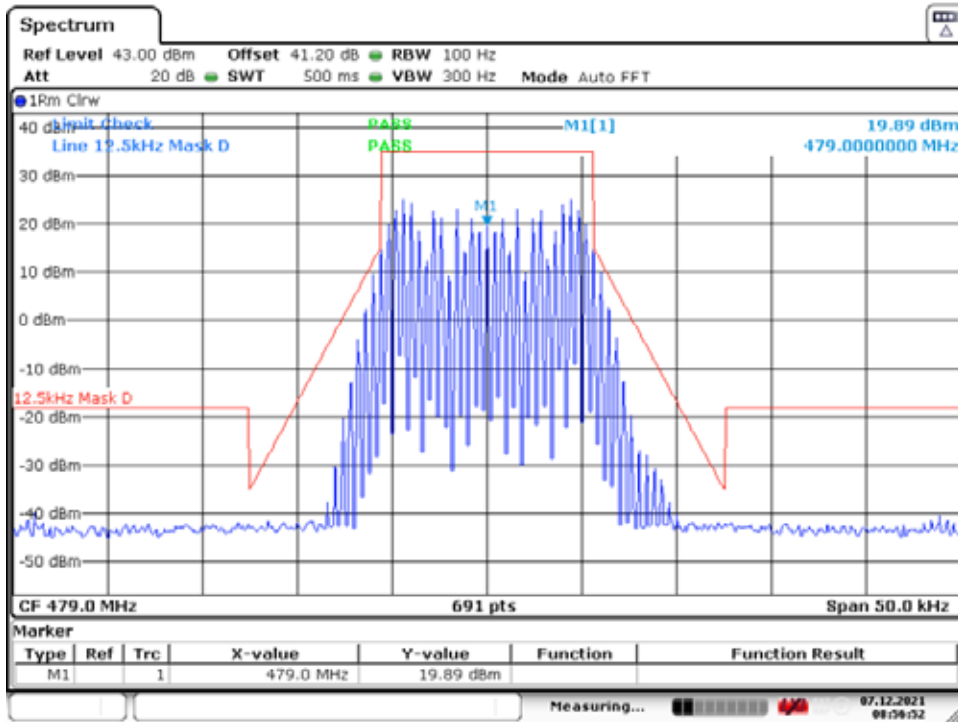
Date: 7.DEC.2021 08:55:49

With the input signal amplitude set the AGC threshold
Low Frequency: 450.00625MHz



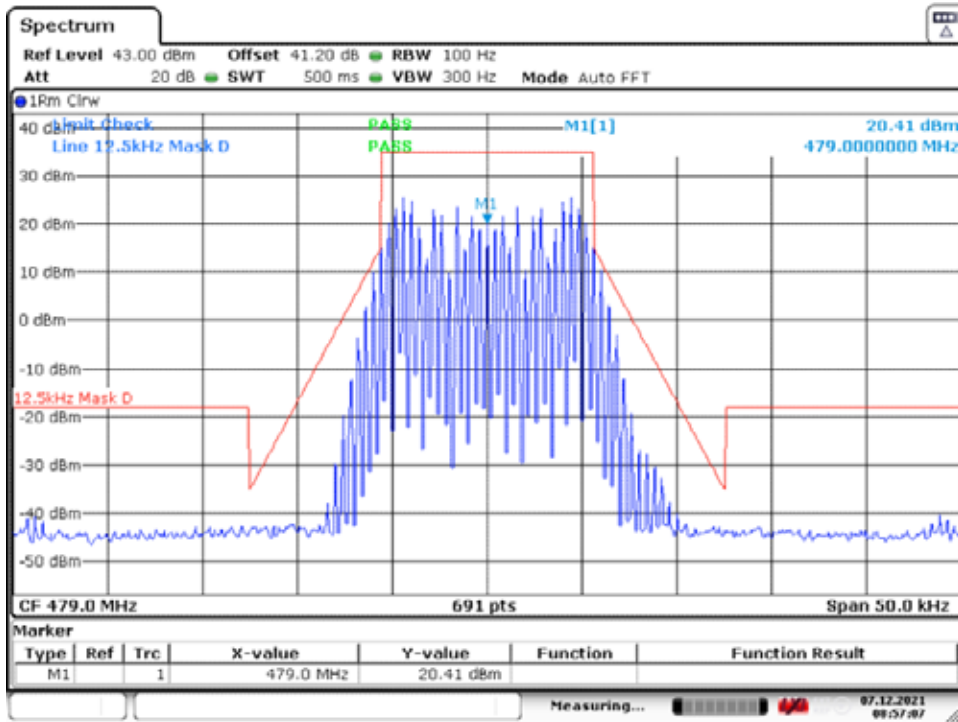
Date: 7.DEC.2021 08:56:14

With the input signal amplitude set 3 dB above the AGC threshold
Low Frequency: 450.00625MHz



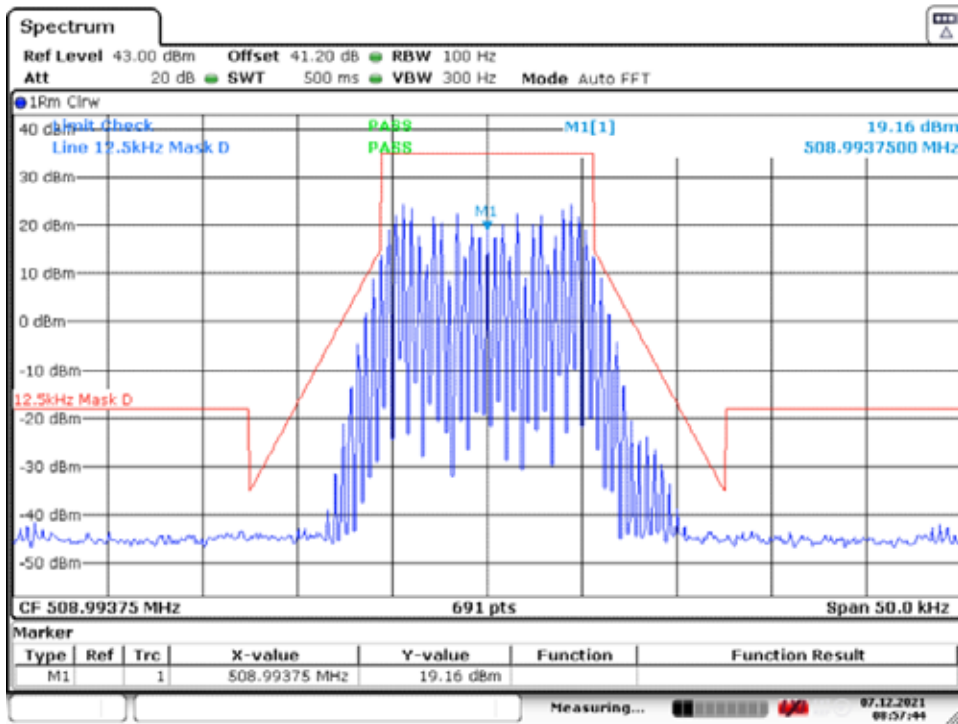
Date: 7.DEC.2021 08:56:53

With the input signal amplitude set the AGC threshold
 Middle Frequency: 479.0MHz



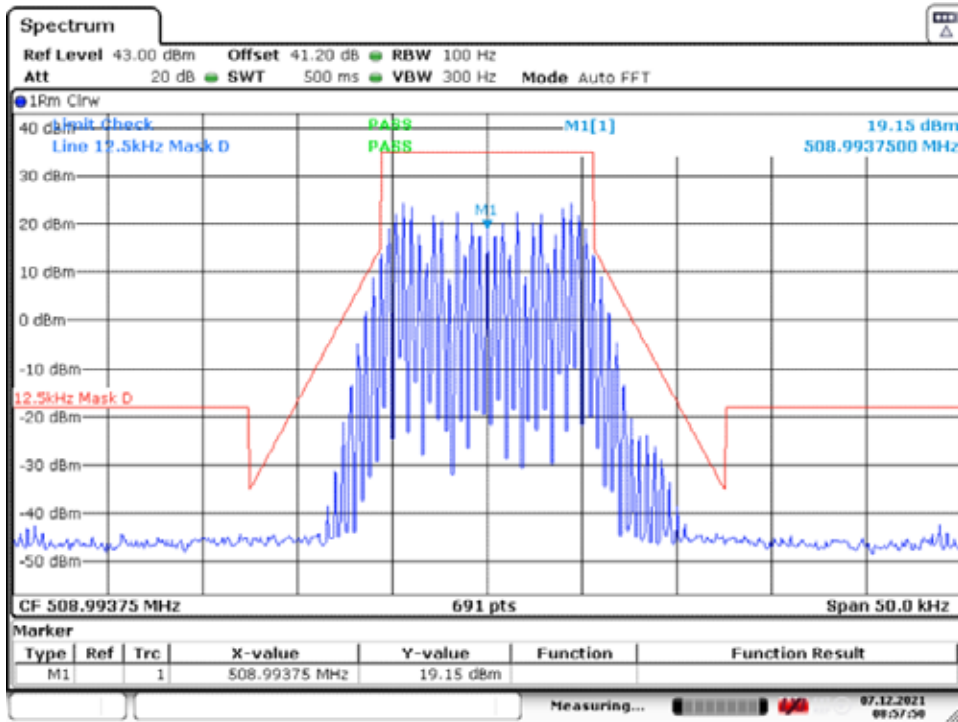
Date: 7.DEC.2021 08:57:07

With the input signal amplitude set 3 dB above the AGC threshold
 Middle Frequency: 479.0MHz



Date: 7.DEC.2021 08:57:44

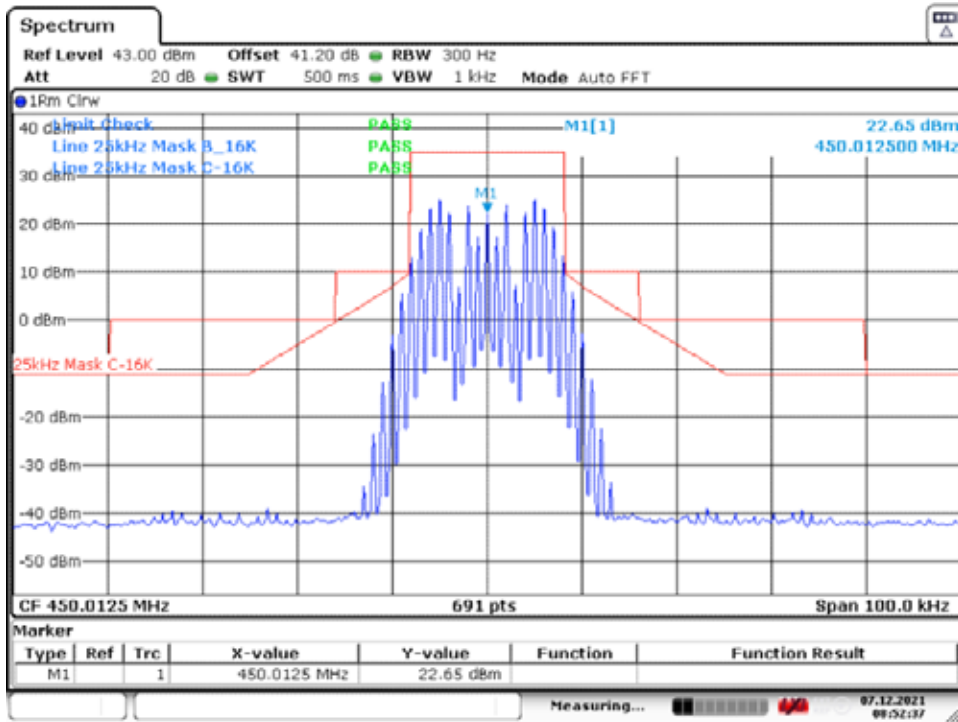
With the input signal amplitude set the AGC threshold
High Frequency: 508.99375MHz



Date: 7.DEC.2021 08:57:51

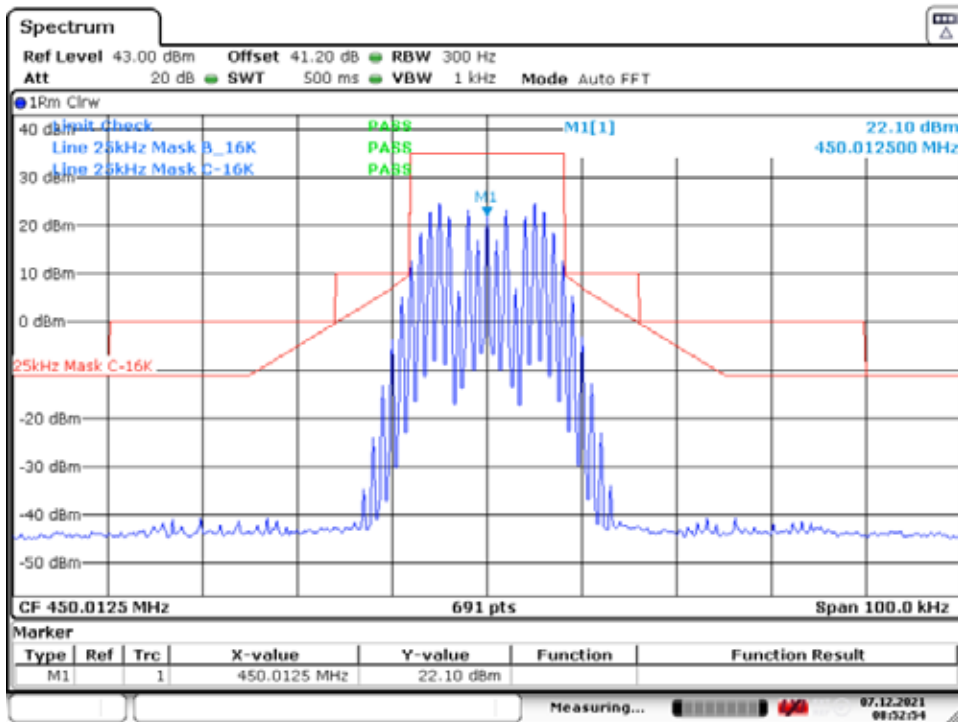
With the input signal amplitude set 3 dB above the AGC threshold
High Frequency: 508.99375MHz

10.5.5.1.1.5. 25kHz Analog FM mode



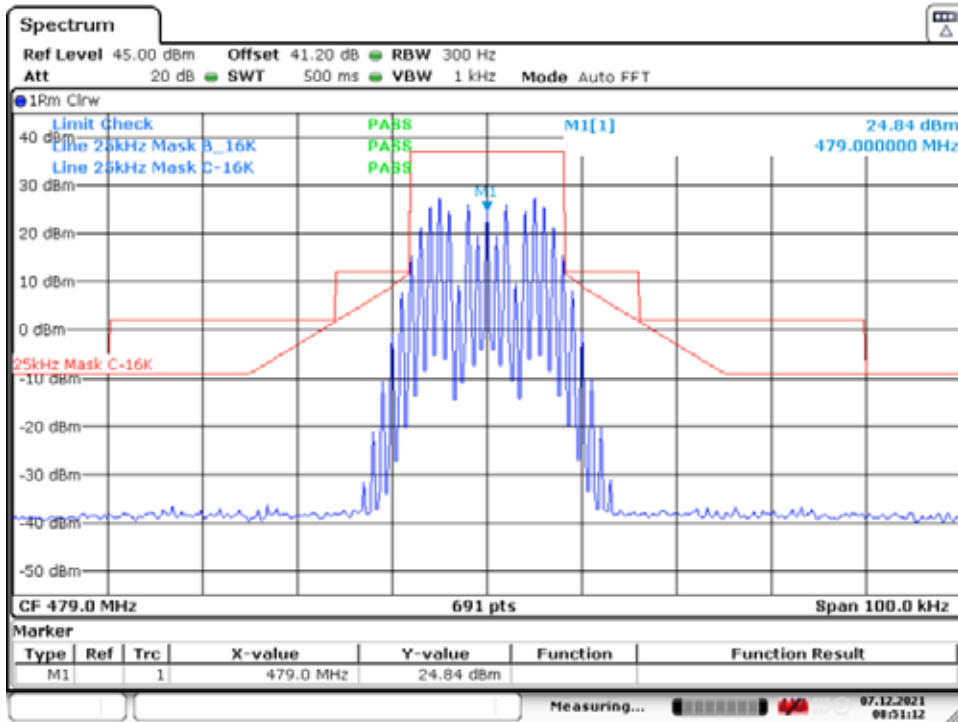
Date: 7.DEC.2021 08:52:37

With the input signal amplitude set the AGC threshold
 Low Frequency: 450.0125MHz



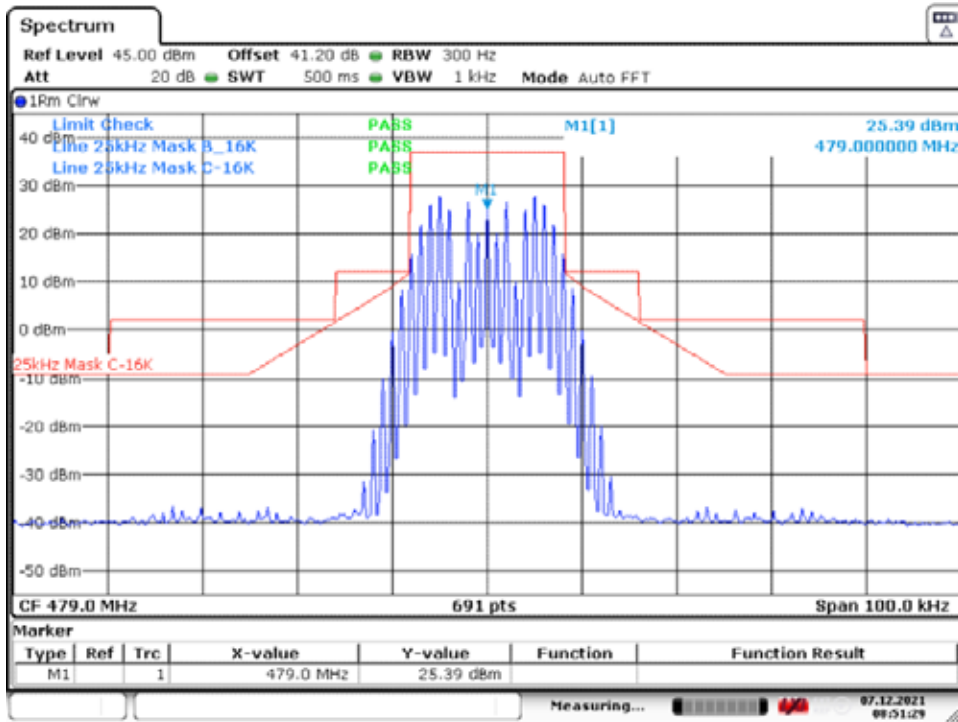
Date: 7.DEC.2021 08:52:55

With the input signal amplitude set 3 dB above the AGC threshold
 Low Frequency: 450.0125MHz



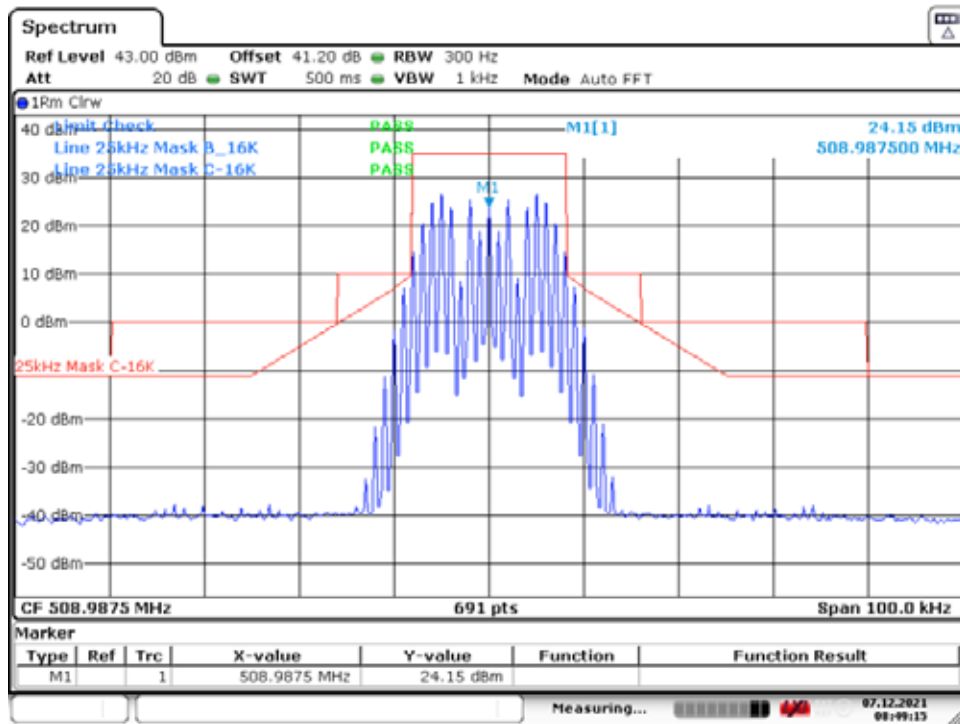
Date: 7.DEC.2021 08:51:12

With the input signal amplitude set the AGC threshold
Middle Frequency: 479.0MHz



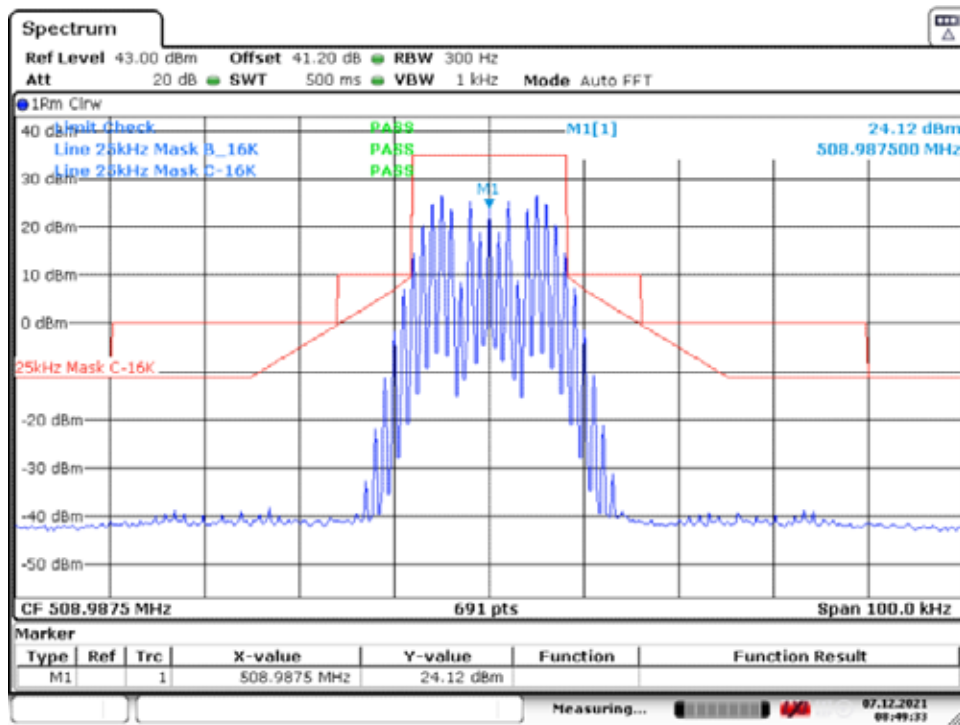
Date: 7.DEC.2021 08:51:29

With the input signal amplitude set 3 dB above the AGC threshold
Middle Frequency: 479.0MHz



Date: 7.DEC.2021 08:49:15

With the input signal amplitude set the AGC threshold
 High Frequency: 508.9875MHz



Date: 7.DEC.2021 08:49:34

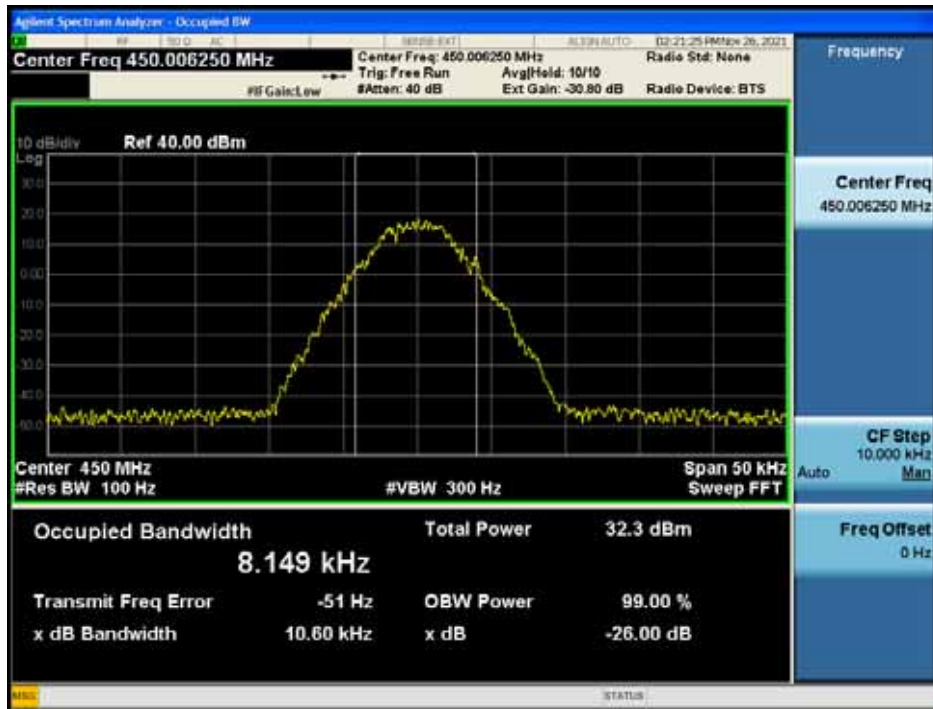
With the input signal amplitude set 3 dB above the AGC threshold
 High Frequency: 508.9875MHz

10.5.5.2. Occupied bandwidth

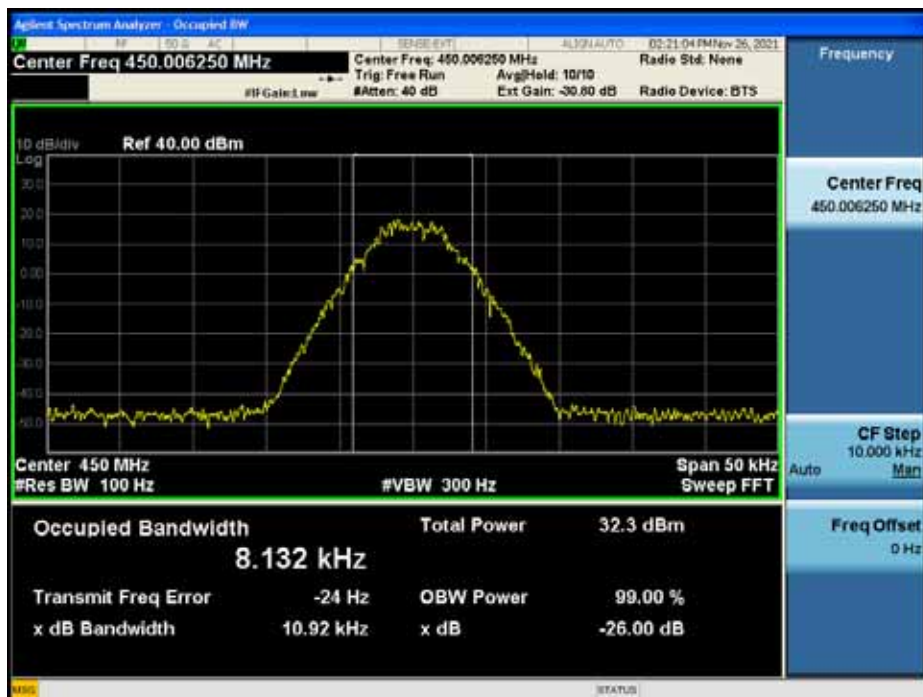
10.5.5.2.1. System test

10.5.5.2.1.1. Downlink

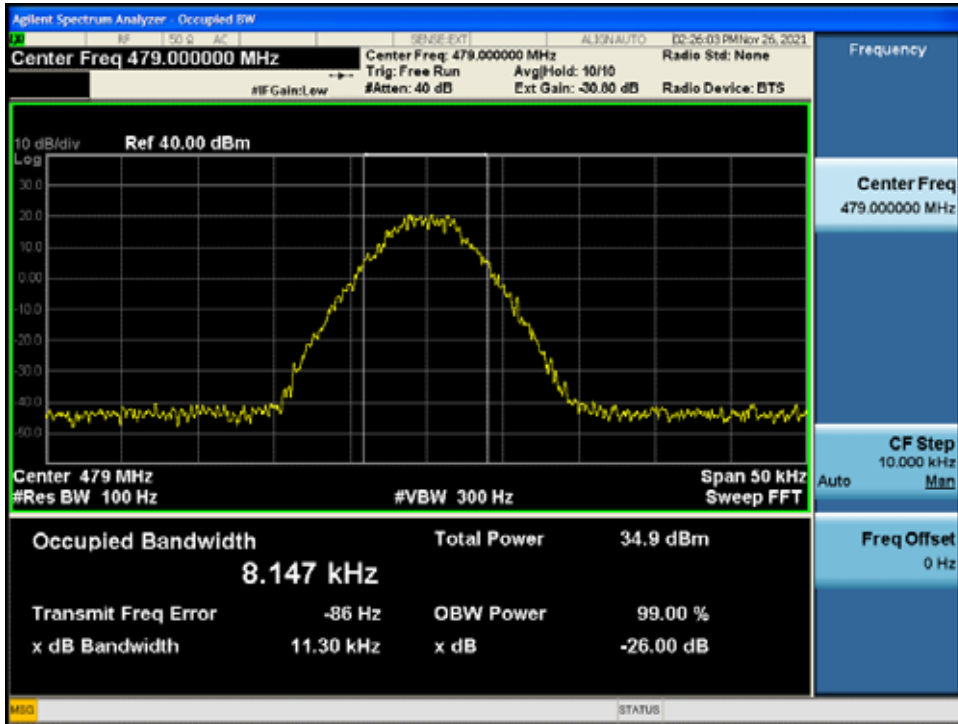
10.5.5.2.1.1.1. P25 Phase I(C4FM) mode



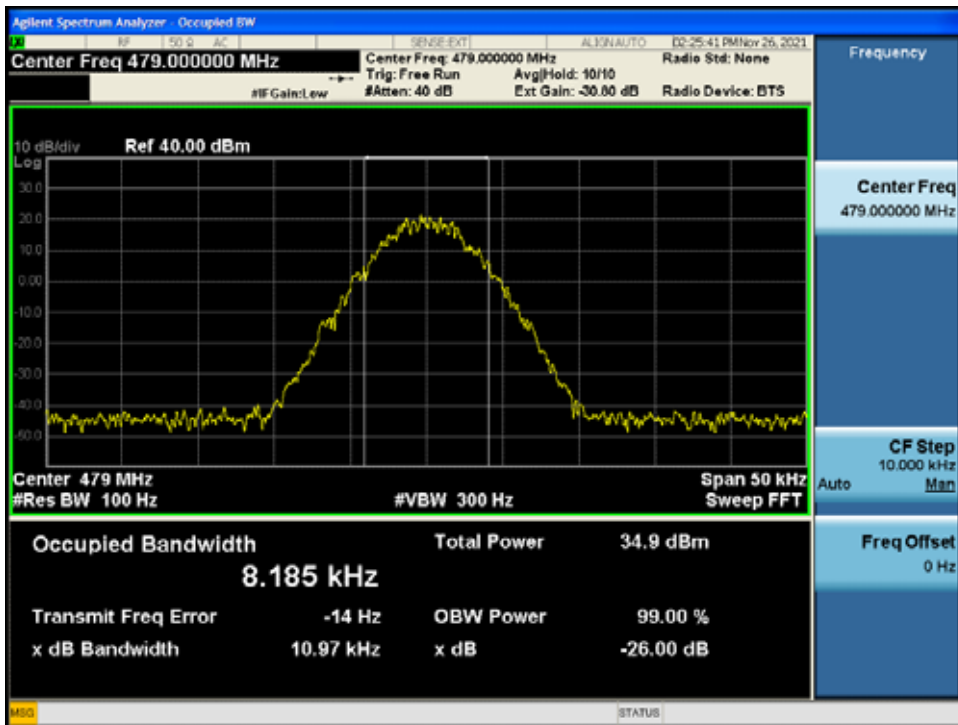
With the input signal amplitude set the AGC threshold
 Low Frequency: 450.00625MHz



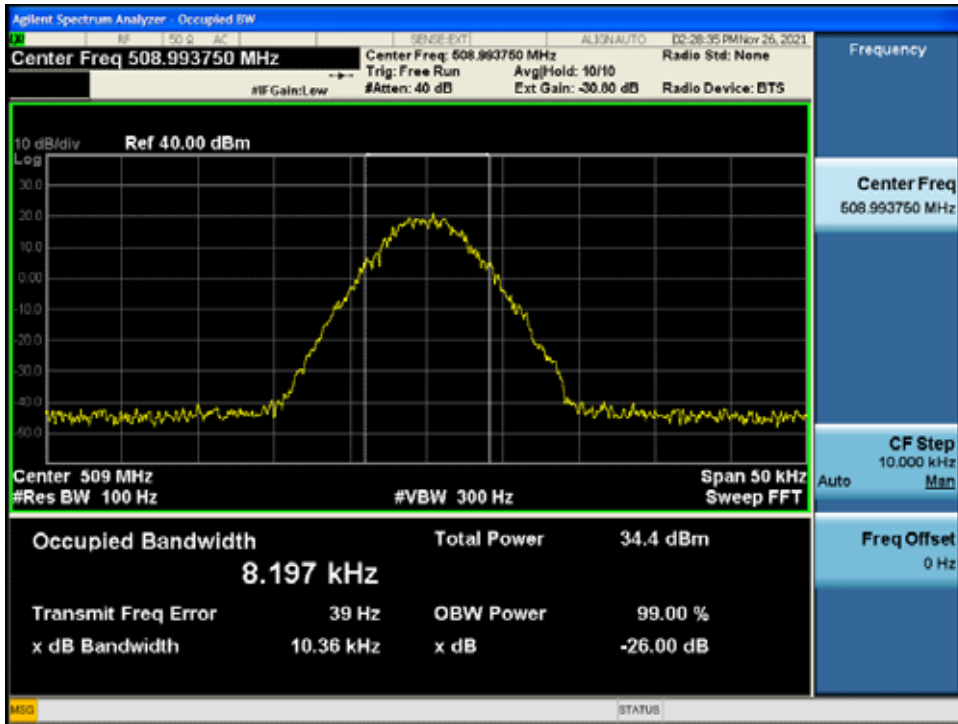
With the input signal amplitude set 3 dB above the AGC threshold
 Low Frequency: 450.00625MHz



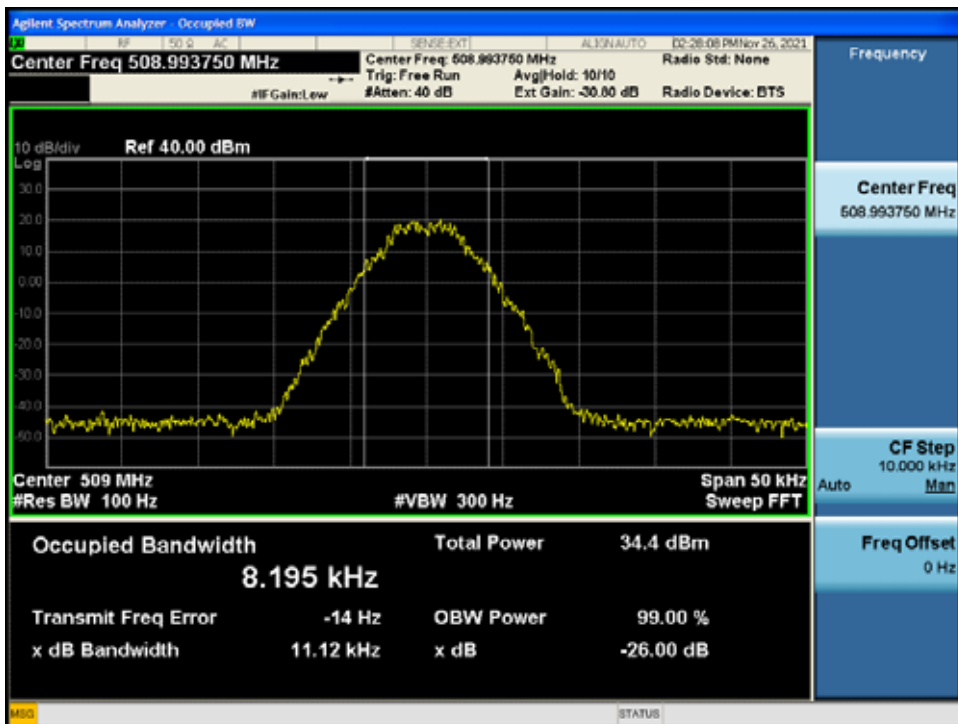
With the input signal amplitude set the AGC threshold
Middle Frequency: 479.0MHz



With the input signal amplitude set 3 dB above the AGC threshold
Middle Frequency: 479.0MHz

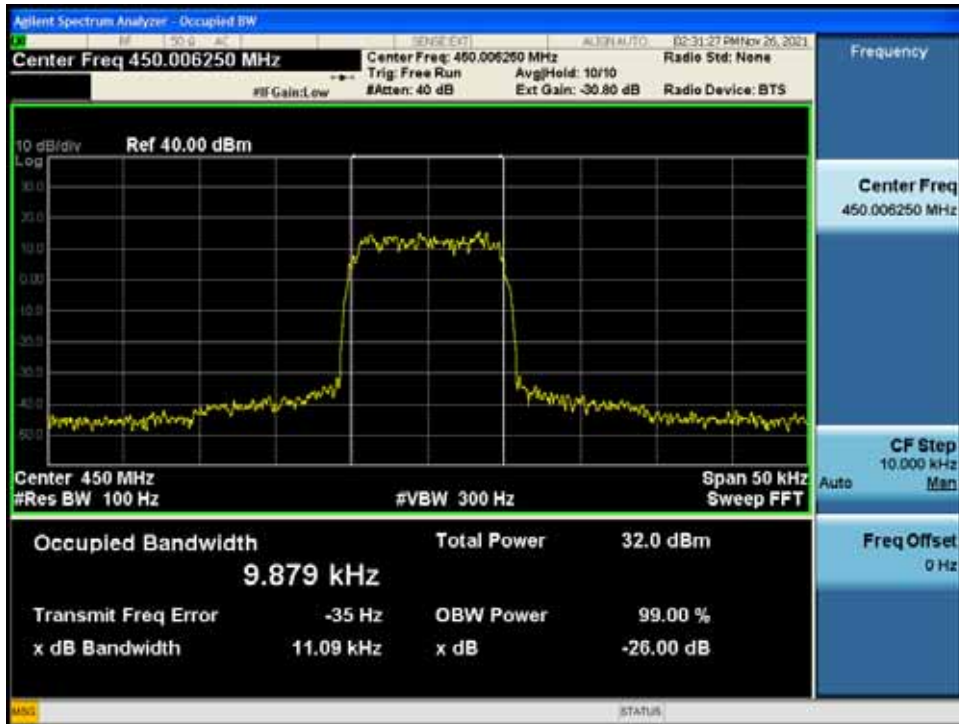


With the input signal amplitude set the AGC threshold
High Frequency: 508.99375MHz

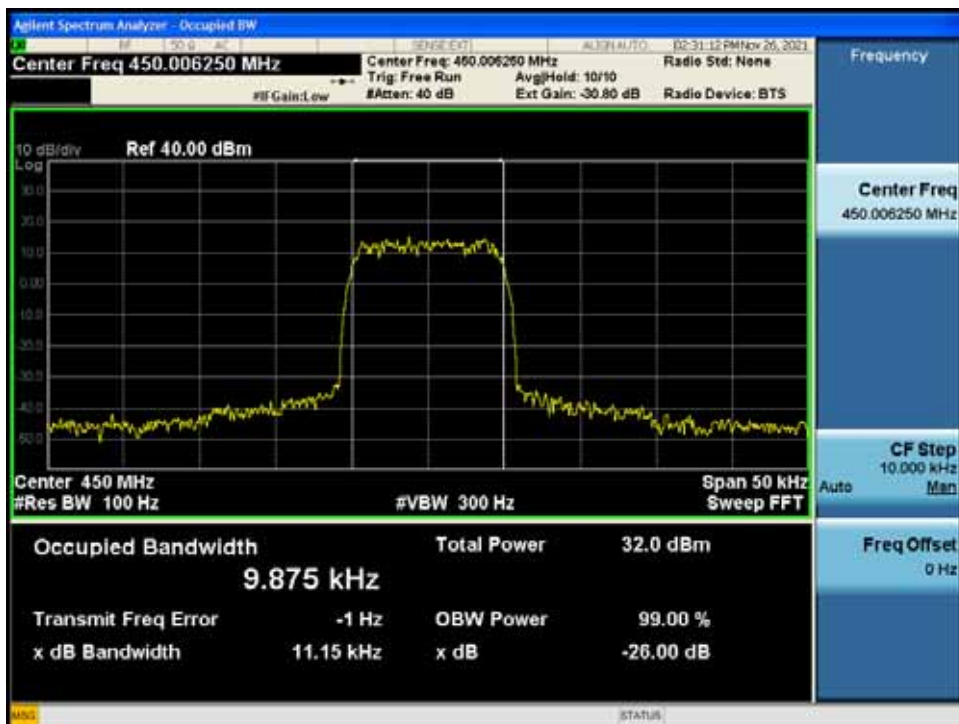


With the input signal amplitude set 3 dB above the AGC threshold
High Frequency: 508.99375MHz

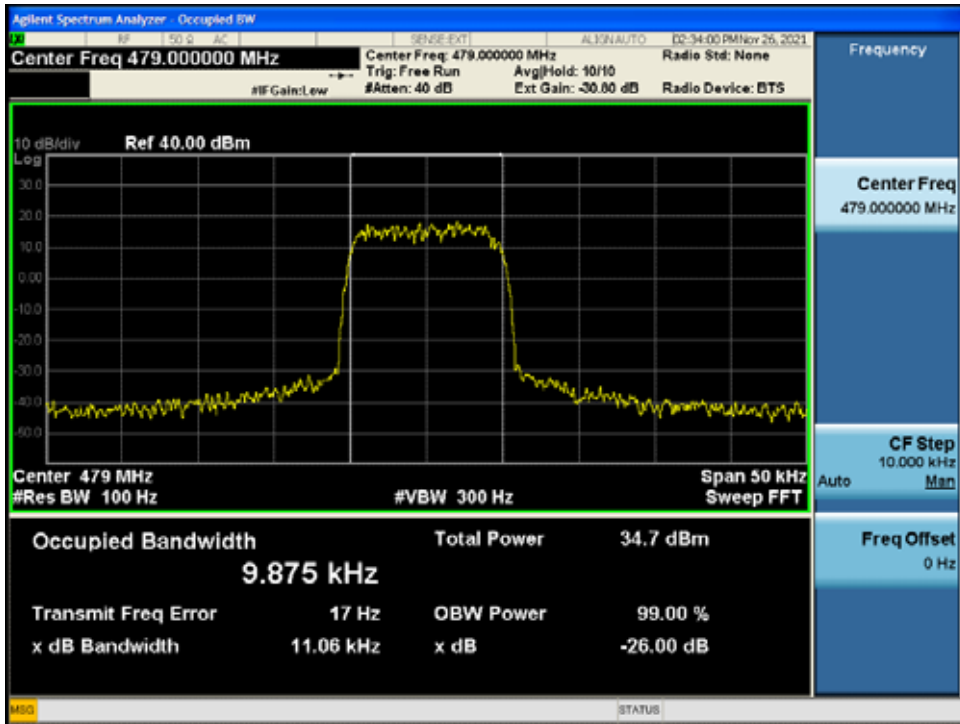
10.5.5.2.1.1.2. P25 Phase II(H-DQPSK) mode



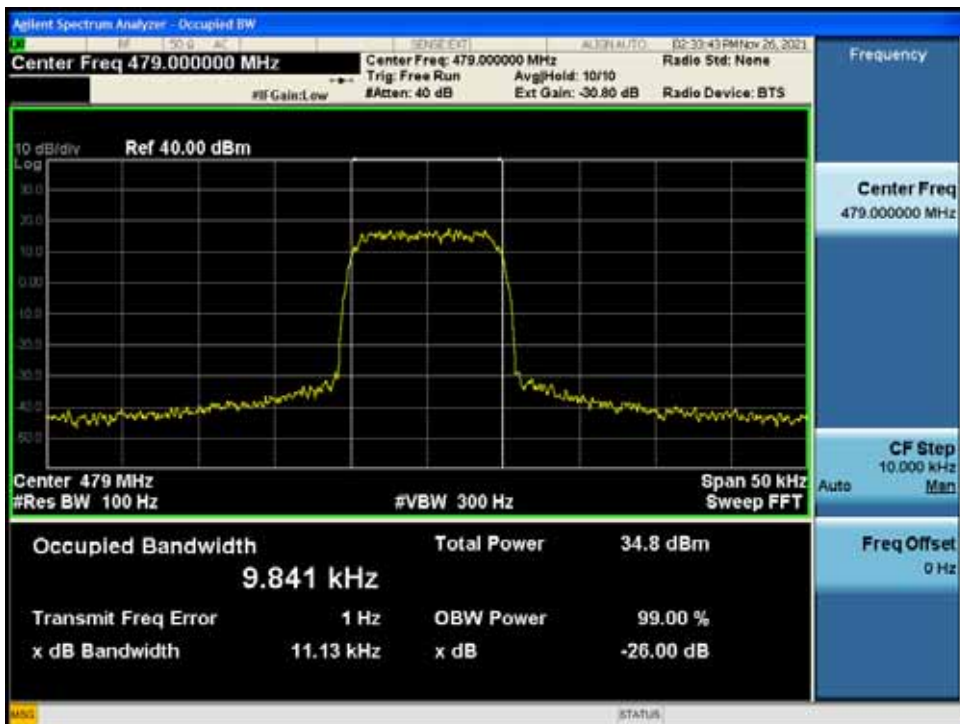
With the input signal amplitude set the AGC threshold
Low Frequency: 450.00625MHz



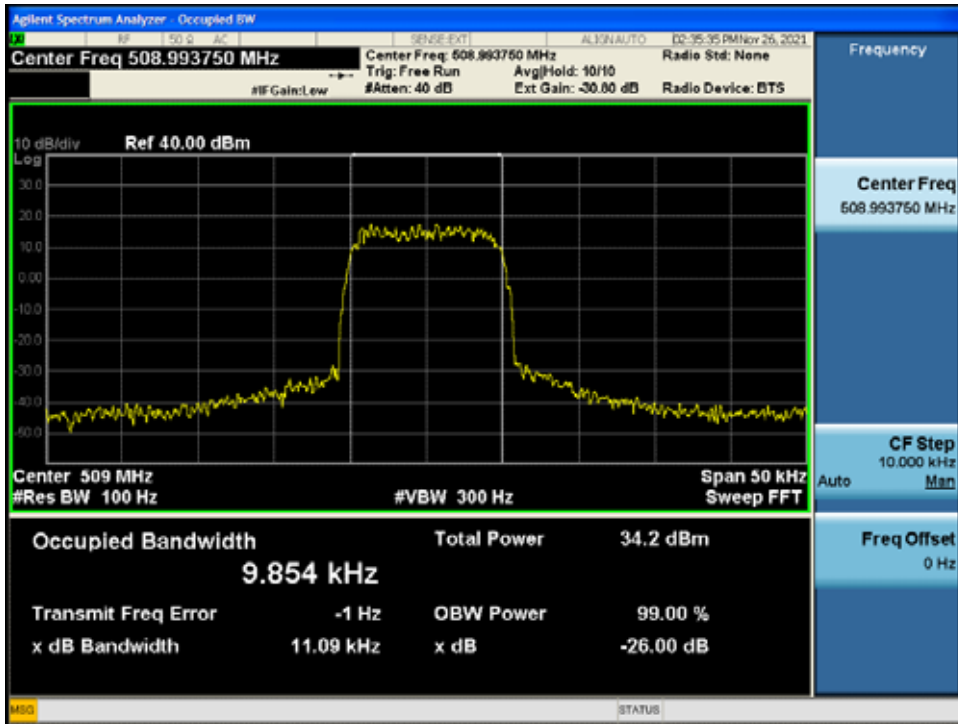
With the input signal amplitude set 3 dB above the AGC threshold
Low Frequency: 450.00625MHz



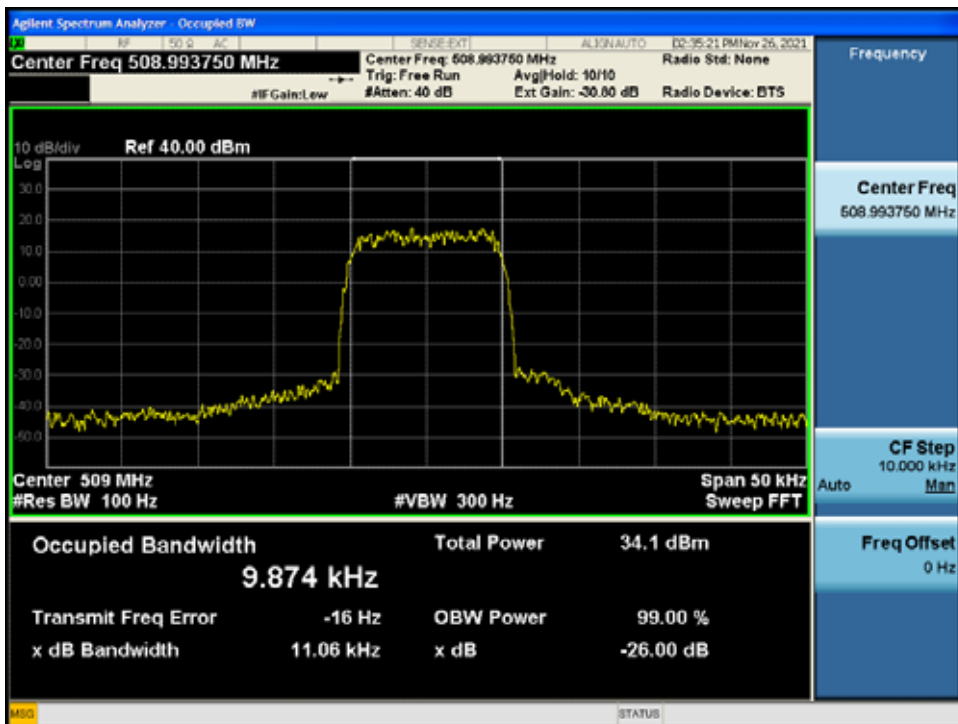
With the input signal amplitude set the AGC threshold
Middle Frequency: 479.0MHz



With the input signal amplitude set 3 dB above the AGC threshold
Middle Frequency: 479.0MHz

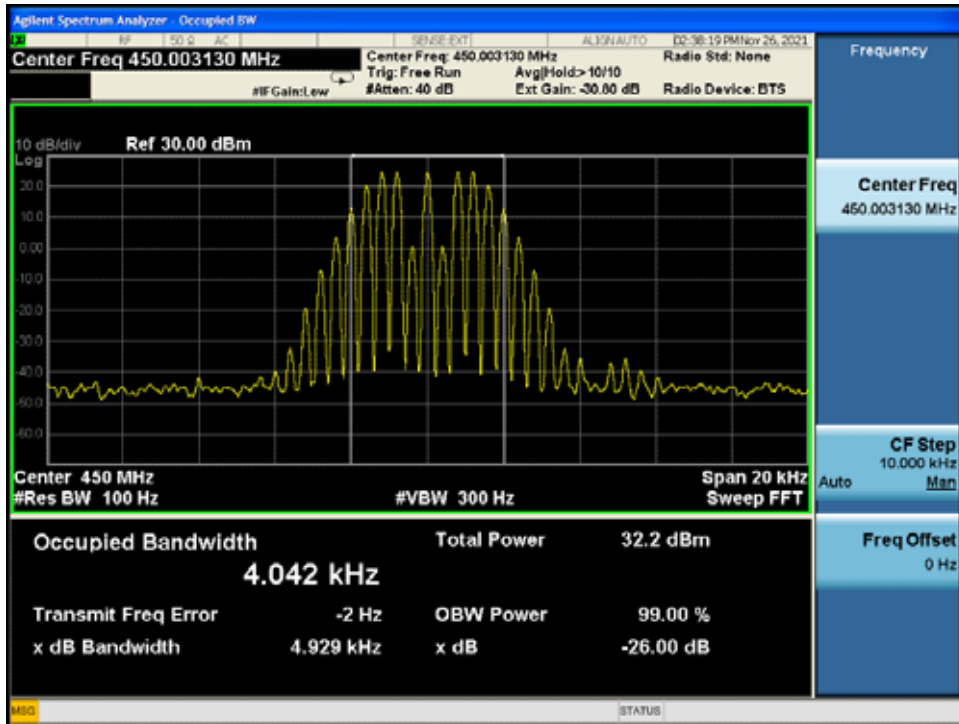


With the input signal amplitude set the AGC threshold
High Frequency: 508.99375MHz

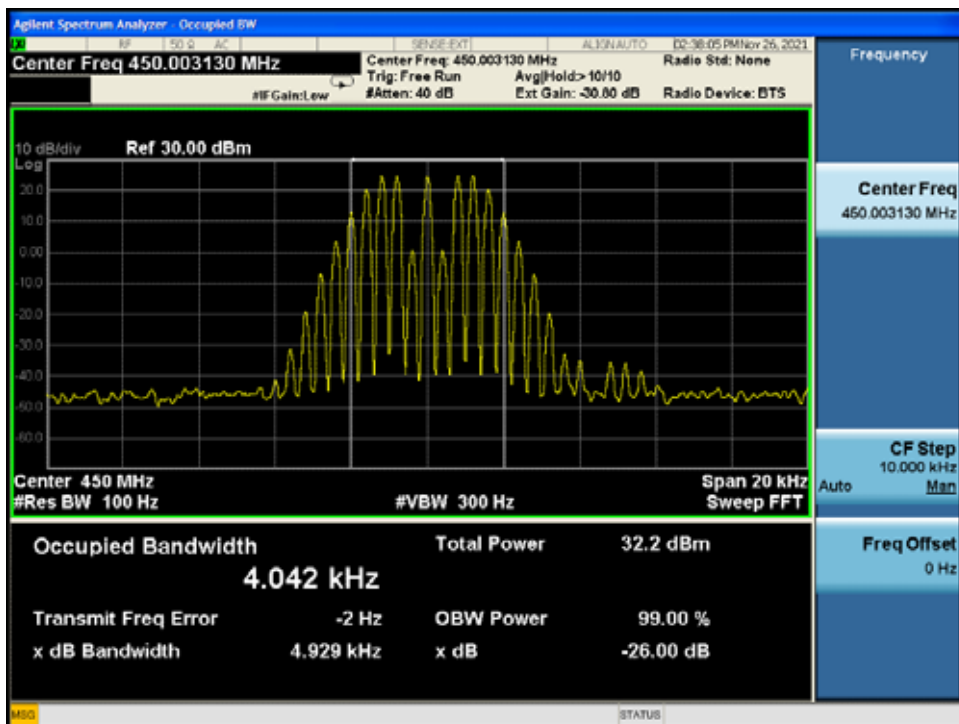


With the input signal amplitude set 3 dB above the AGC threshold
High Frequency: 508.99375MHz

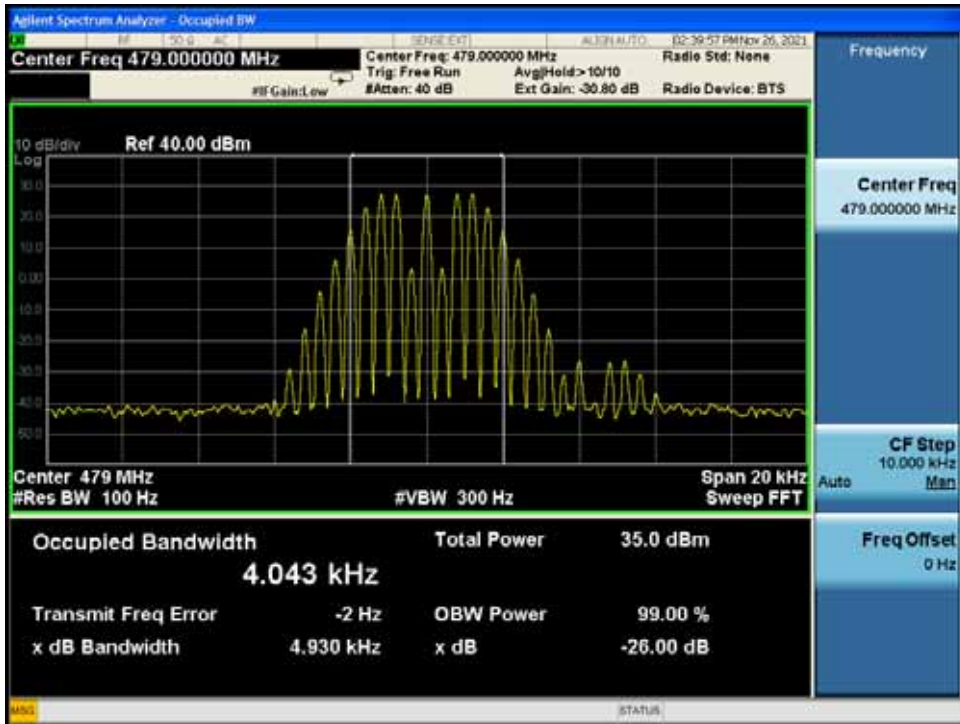
10.5.5.2.1.1.3. 6.25kHz Analog FM mode



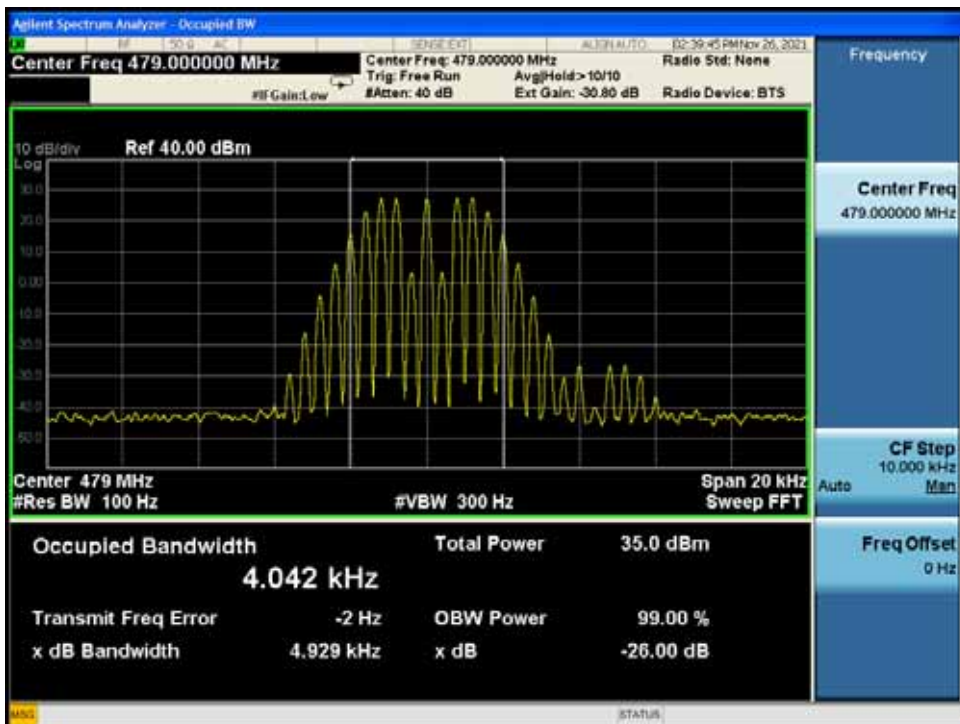
With the input signal amplitude set the AGC threshold
Low Frequency: 450.00313MHz



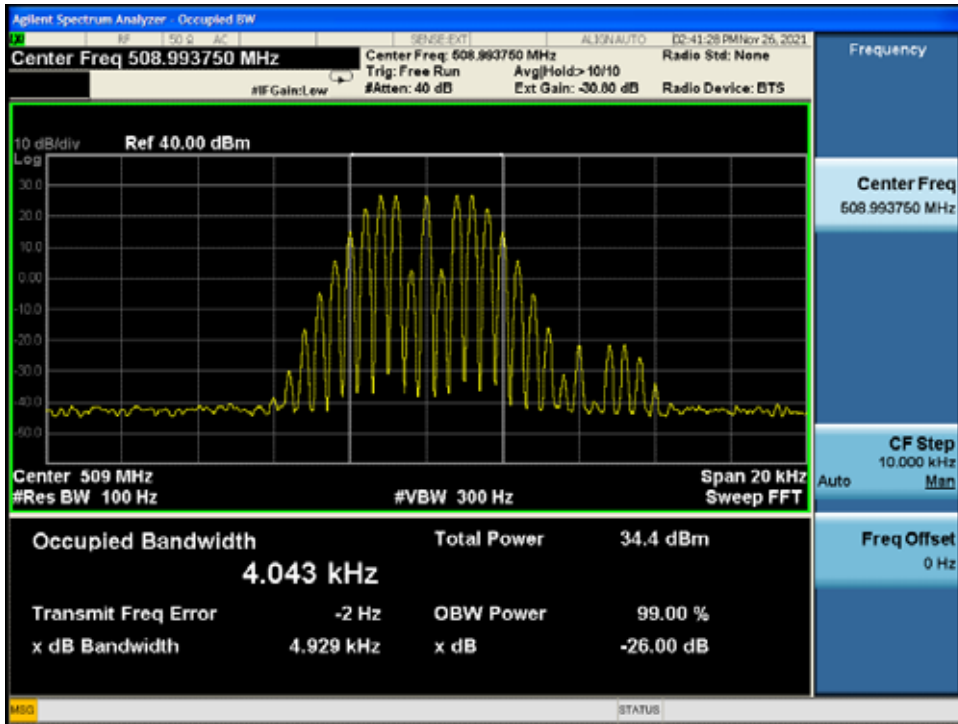
With the input signal amplitude set 3 dB above the AGC threshold
Low Frequency: 450.00313MHz



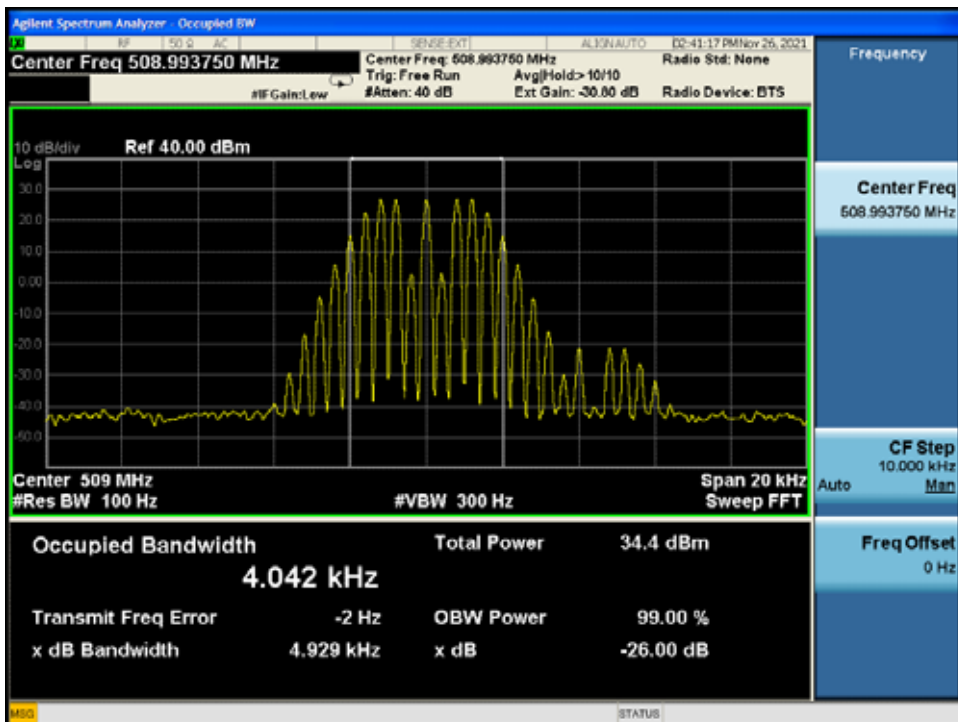
With the input signal amplitude set the AGC threshold
Middle Frequency: 479.0MHz



With the input signal amplitude set 3 dB above the AGC threshold
Middle Frequency: 479.0MHz

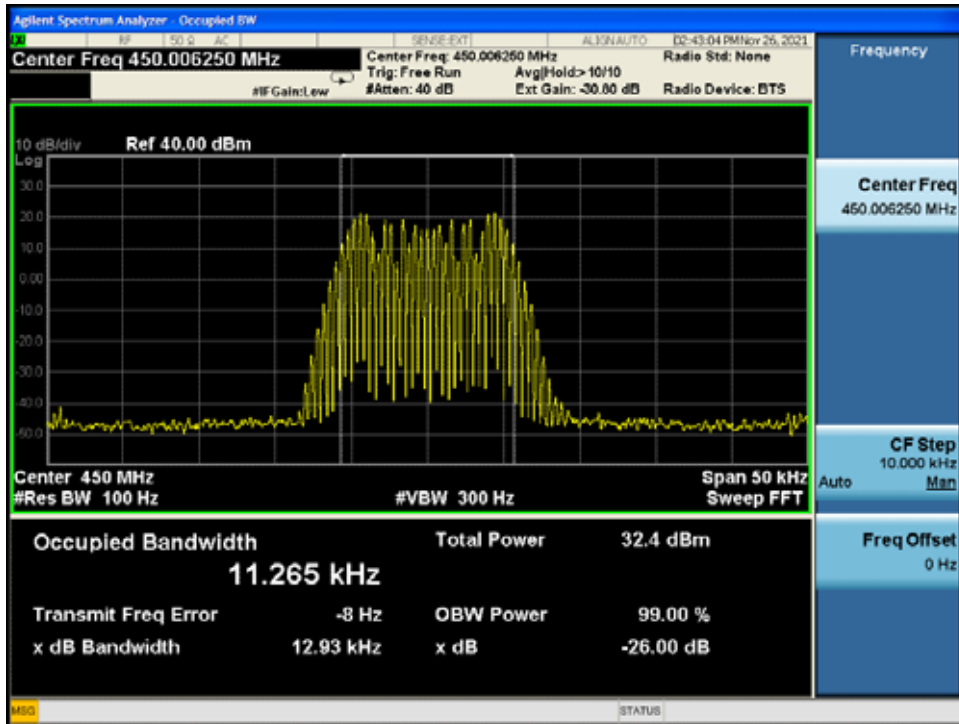


With the input signal amplitude set the AGC threshold
High Frequency: 508.99688MHz

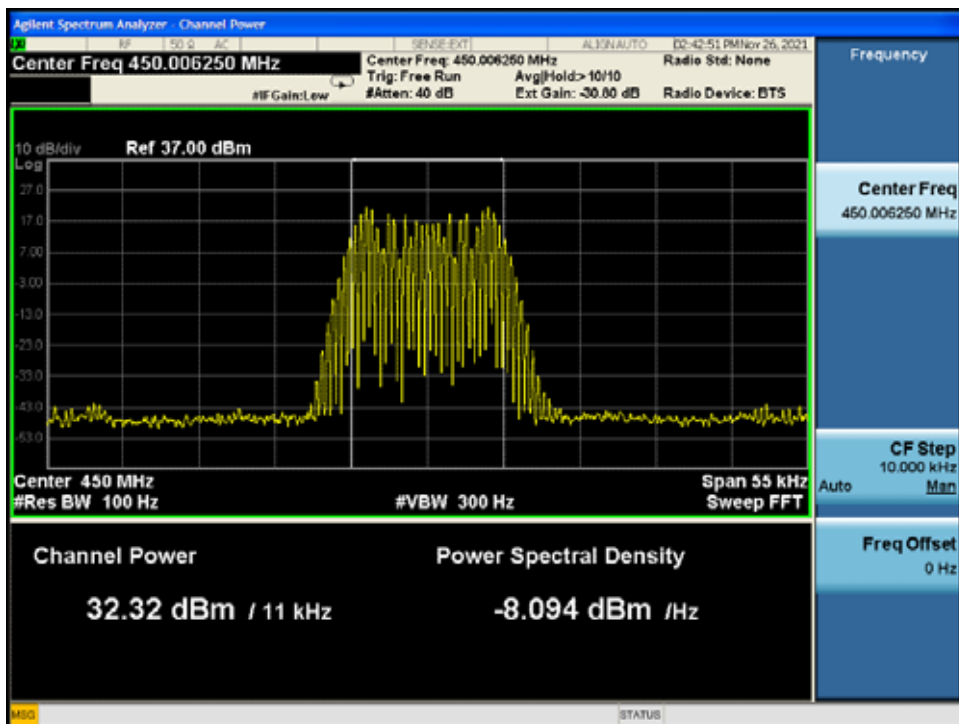


With the input signal amplitude set 3 dB above the AGC threshold
High Frequency: 508.99688MHz

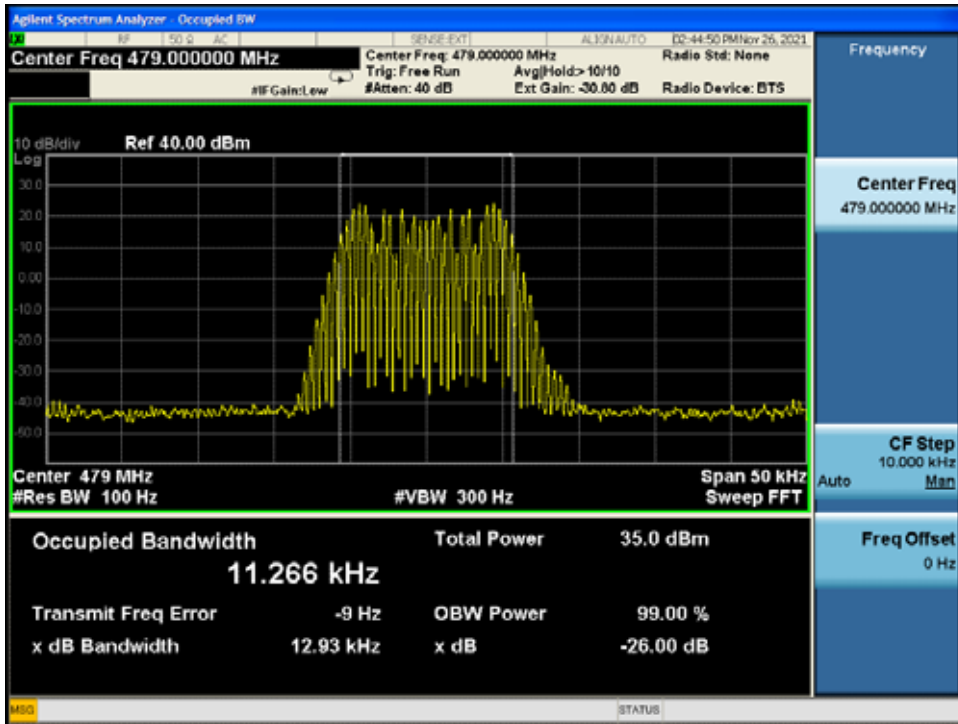
10.5.5.2.1.1.4. 12.5kHz Analog FM mode



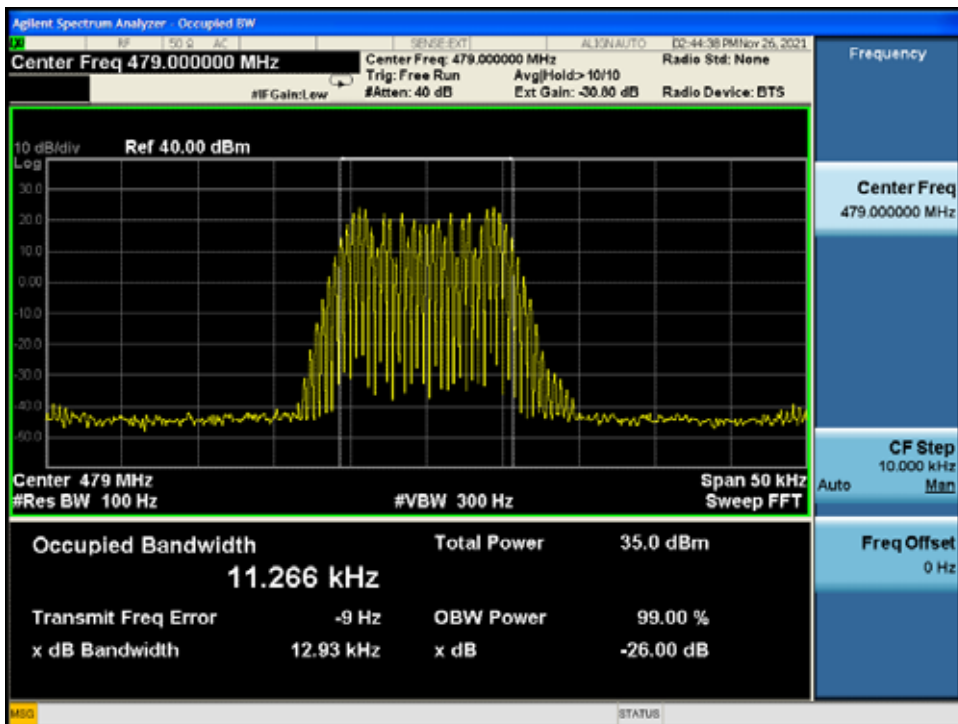
With the input signal amplitude set the AGC threshold
Low Frequency: 450.00625MHz



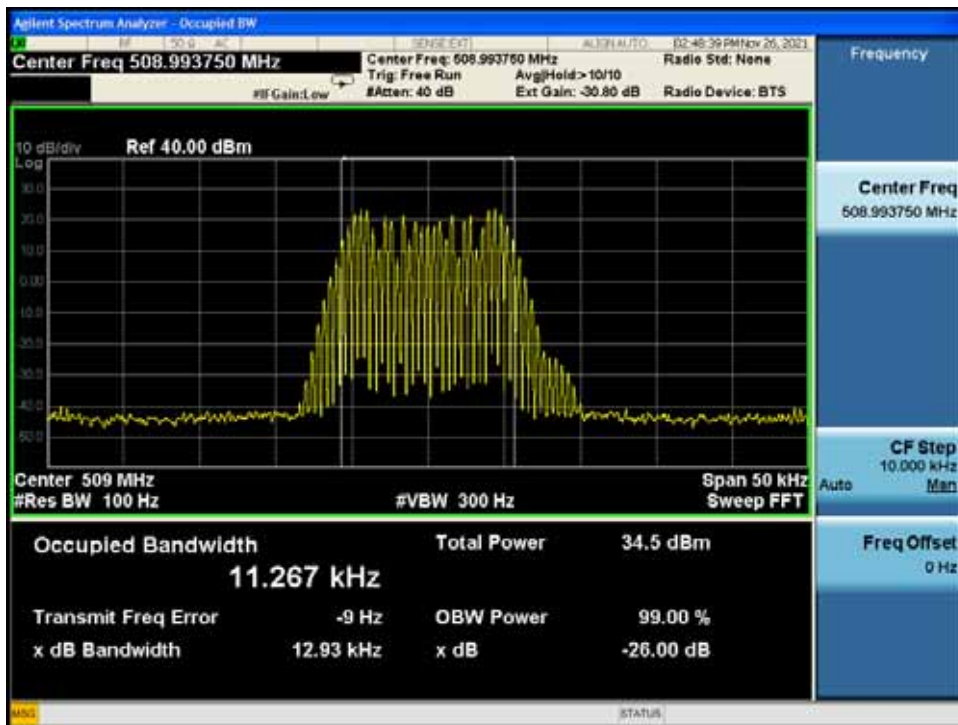
With the input signal amplitude set 3 dB above the AGC threshold
Low Frequency: 450.00625MHz



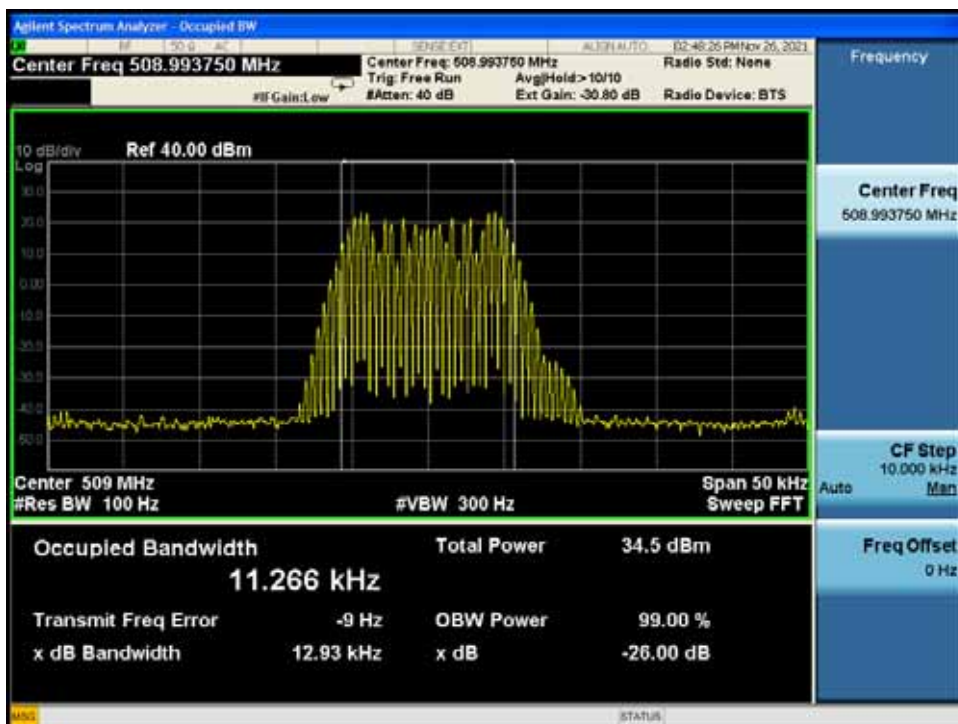
With the input signal amplitude set the AGC threshold
Middle Frequency: 479.0MHz



With the input signal amplitude set 3 dB above the AGC threshold
Middle Frequency: 479.0MHz

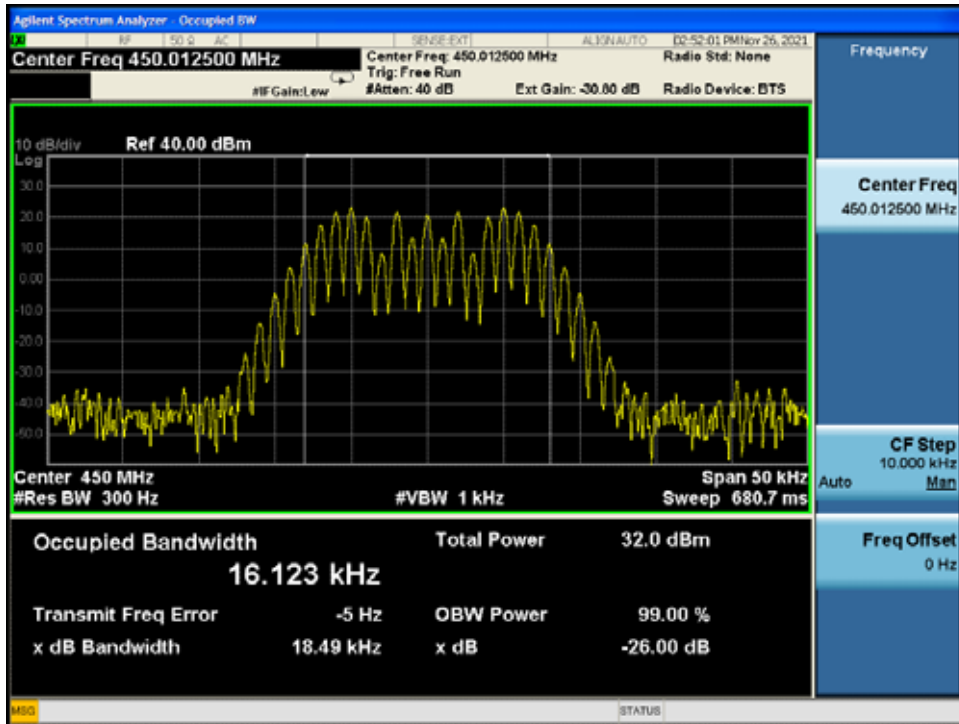


With the input signal amplitude set the AGC threshold
High Frequency: 508.99375MHz

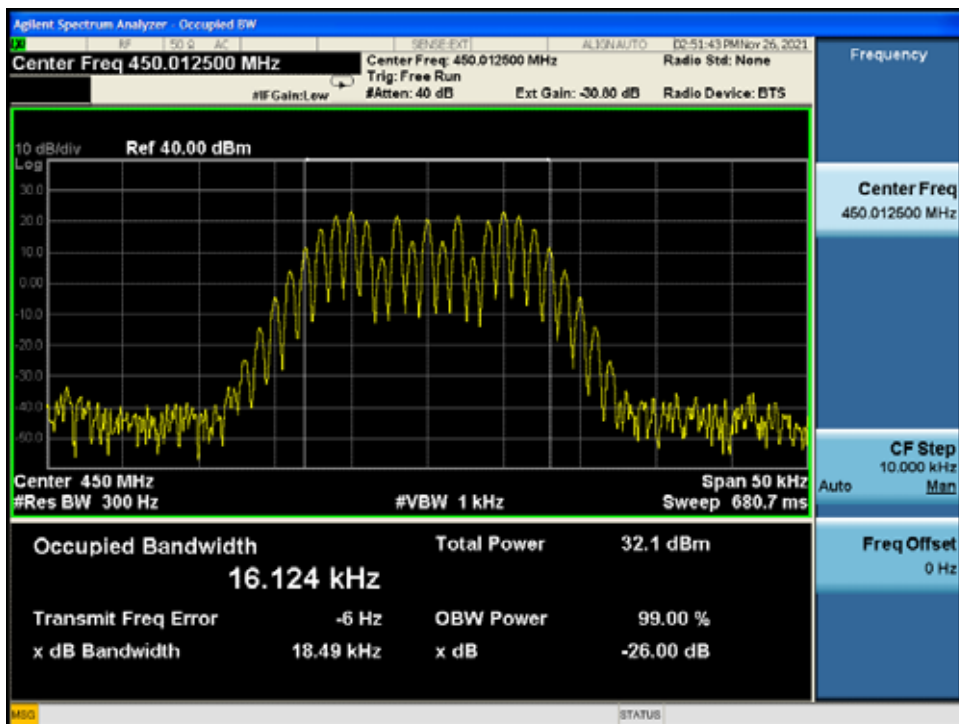


With the input signal amplitude set 3 dB above the AGC threshold
High Frequency: 508.99375MHz

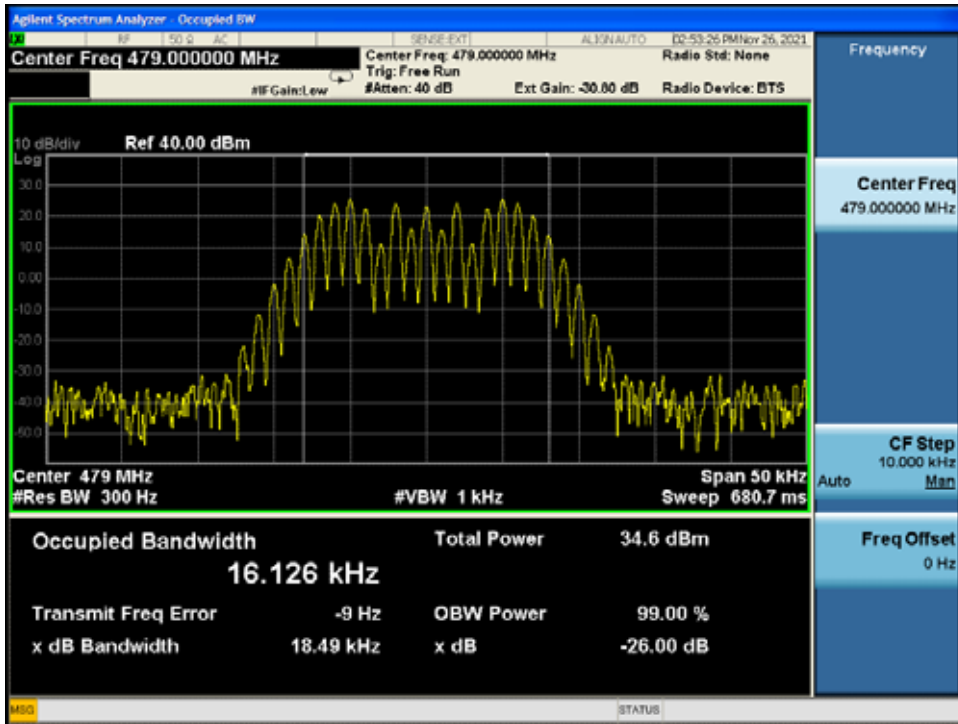
10.5.5.2.1.1.5. 25kHz Analog FM mode



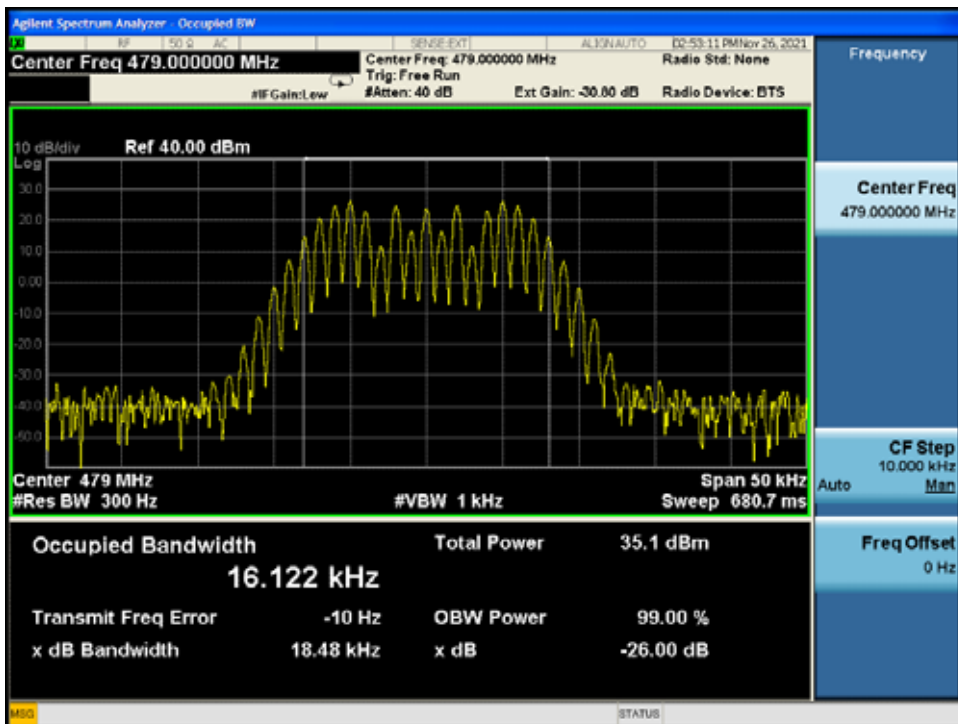
With the input signal amplitude set the AGC threshold
 Low Frequency: 450.0125MHz



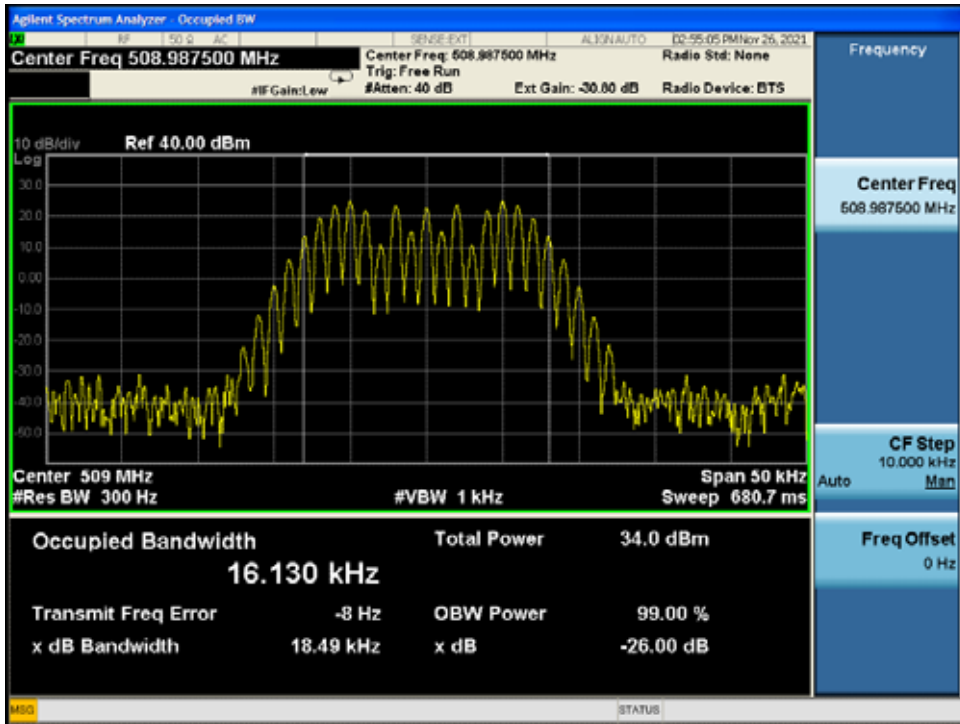
With the input signal amplitude set 3 dB above the AGC threshold
 Low Frequency: 450.0125MHz



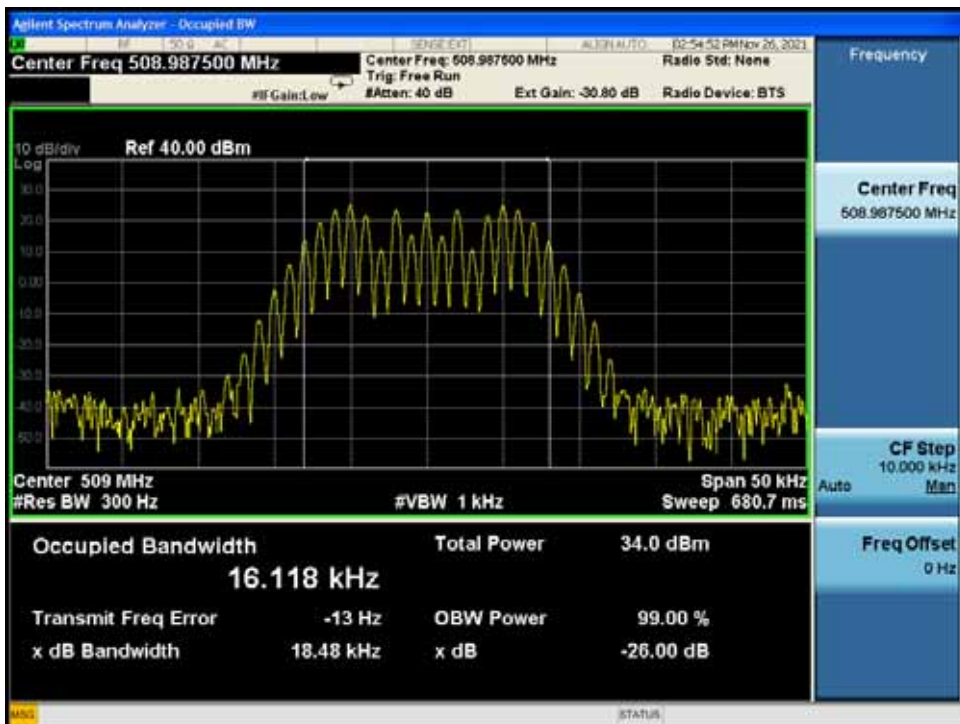
With the input signal amplitude set the AGC threshold
Middle Frequency: 479.0MHz



With the input signal amplitude set 3 dB above the AGC threshold
Middle Frequency: 479.0MHz



With the input signal amplitude set the AGC threshold
High Frequency: 508.9875MHz



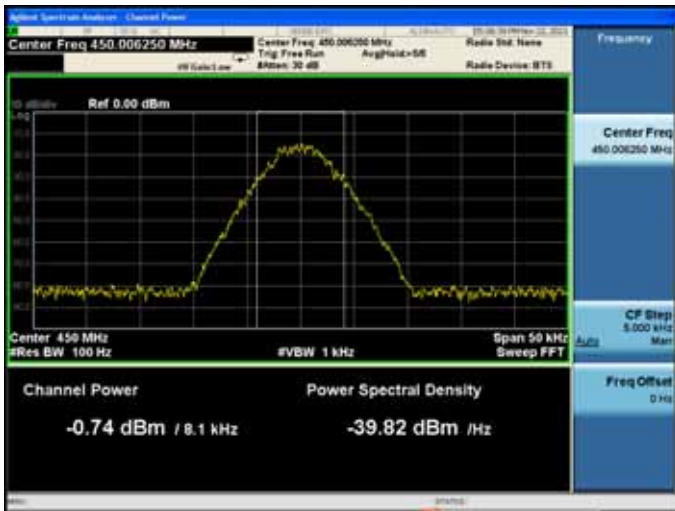
With the input signal amplitude set 3 dB above the AGC threshold
High Frequency: 508.9875MHz

10.5.5.3. Input VS output Comparison

10.5.5.3.1. System test

10.5.5.3.1.1. Downlink

10.5.5.3.1.1.1. P25 Phase I(C4FM) mode



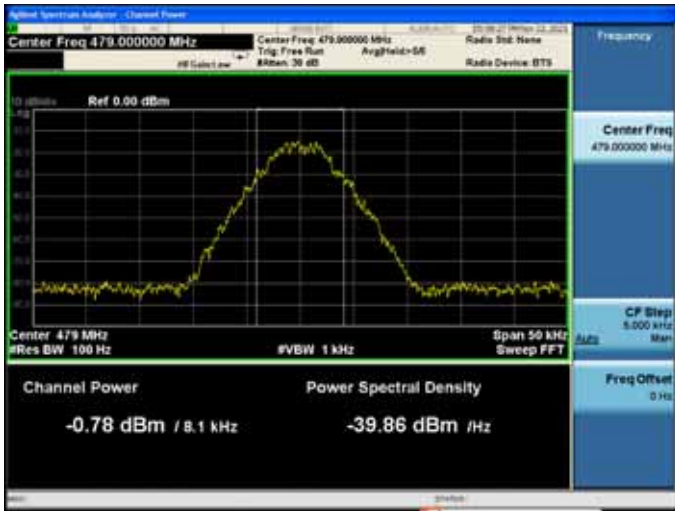
Input signal
Low Frequency: 450.00625MHz



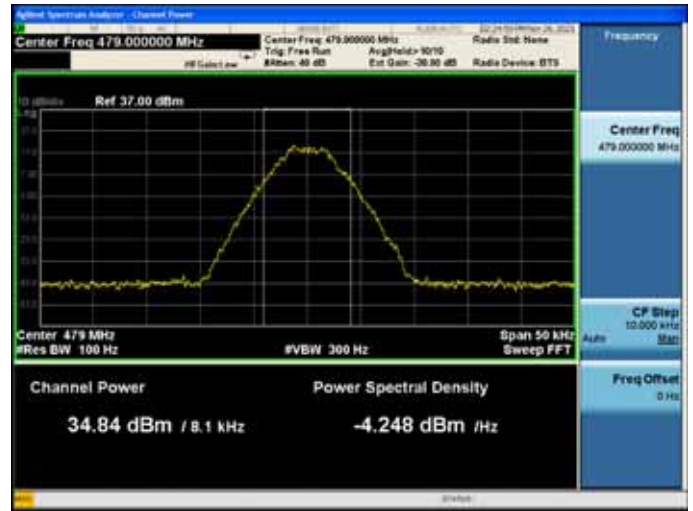
With the input signal amplitude set the AGC threshold
Low Frequency: 450.00625MHz



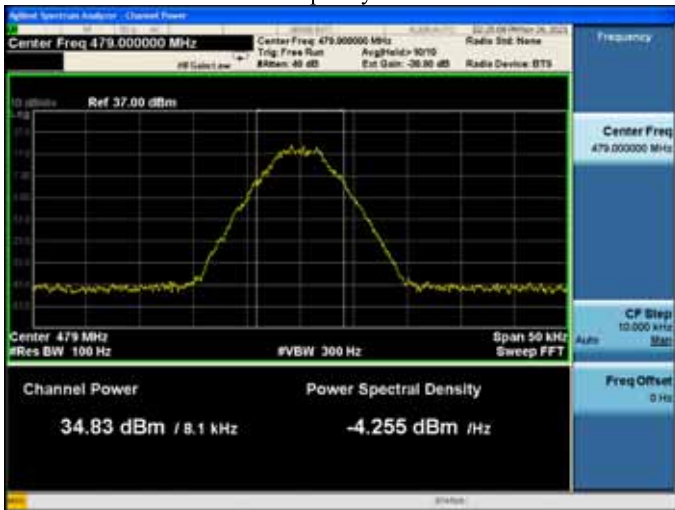
With the input signal amplitude set 3 dB above the AGC threshold
Low Frequency: 450.00625MHz



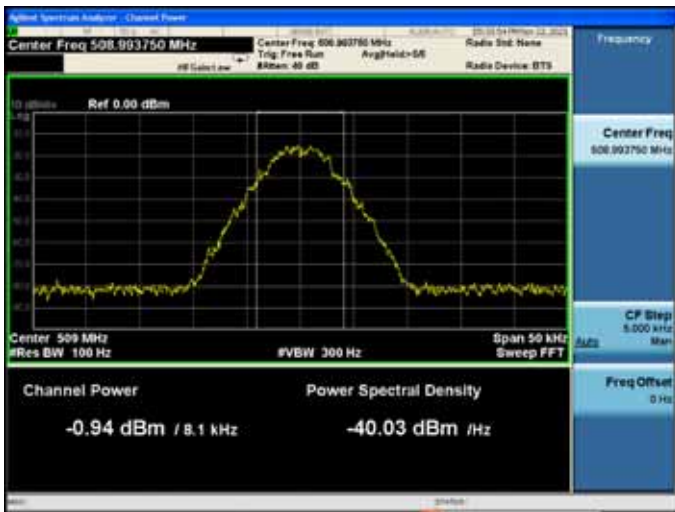
Input signal
Middle Frequency: 479.0MHz



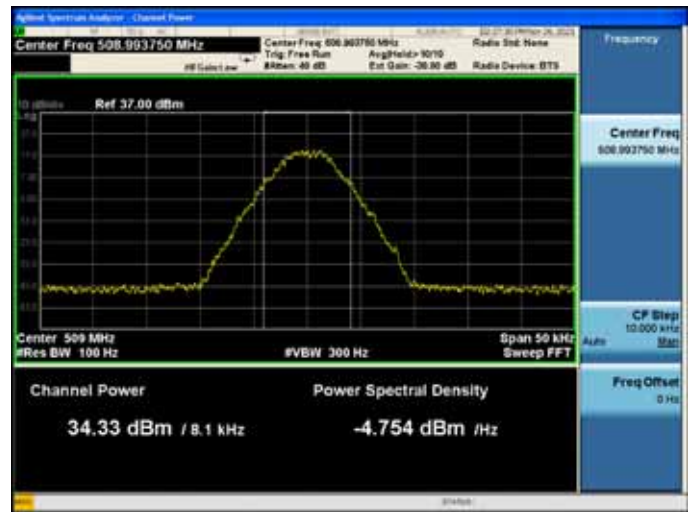
With the input signal amplitude set the AGC threshold
Middle Frequency: 479.0MHz



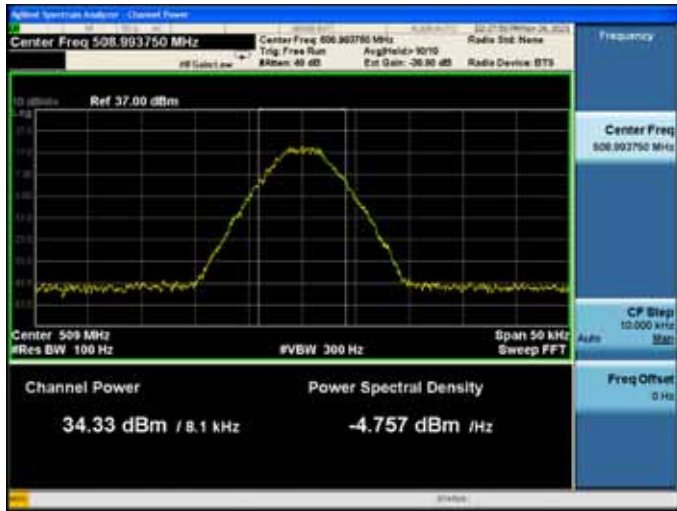
With the input signal amplitude set 3 dB above the AGC threshold
Middle Frequency: 479.0MHz



Input signal
High Frequency: 508.99375MHz



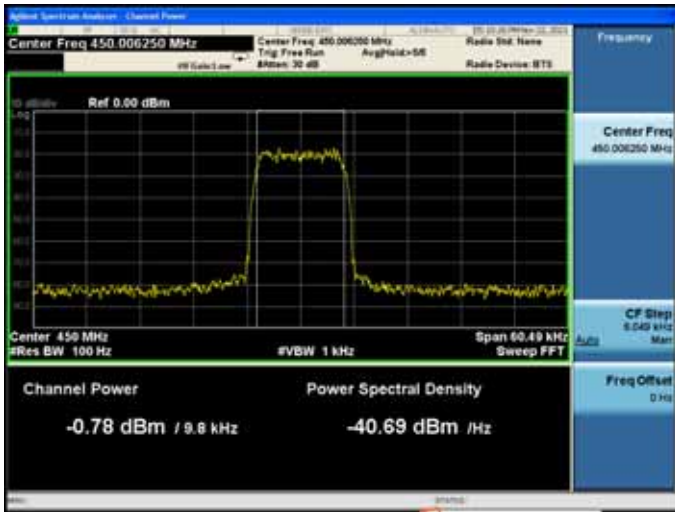
With the input signal amplitude set the AGC threshold
High Frequency: 508.99375MHz



With the input signal amplitude set 3 dB above the AGC threshold
High Frequency: 508.99375MHz

———— The following blanks ————

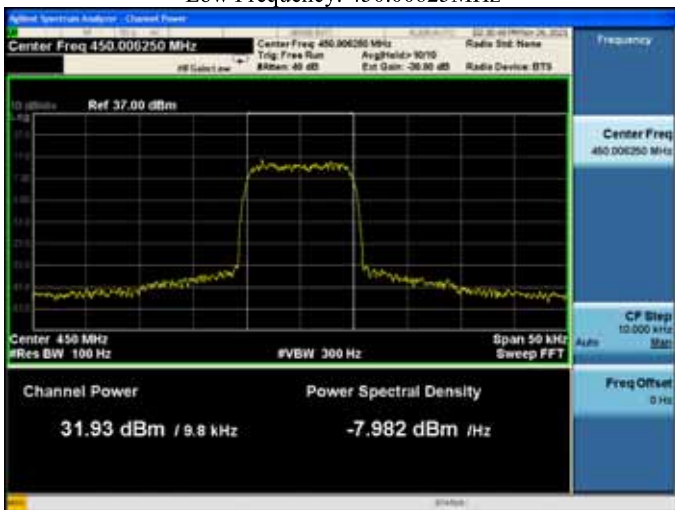
10.5.5.3.1.1.2. P25 Phase II(H-DQPSK) mode



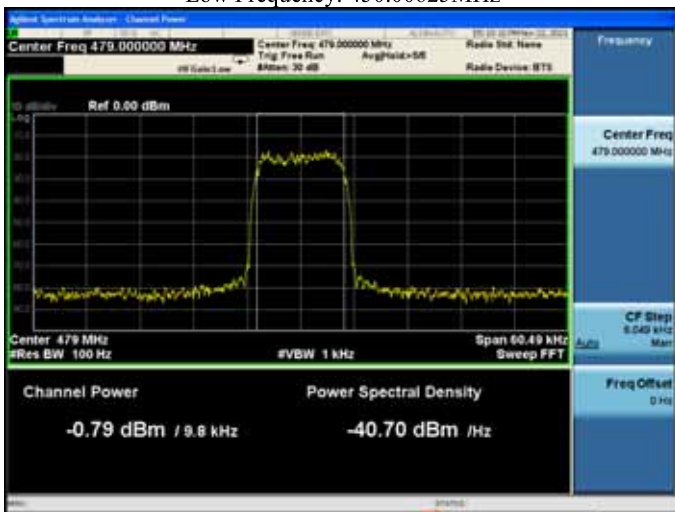
Input signal
Low Frequency: 450.00625MHz



With the input signal amplitude set the AGC threshold
Low Frequency: 450.00625MHz



With the input signal amplitude set 3 dB above the AGC threshold
Low Frequency: 450.00625MHz



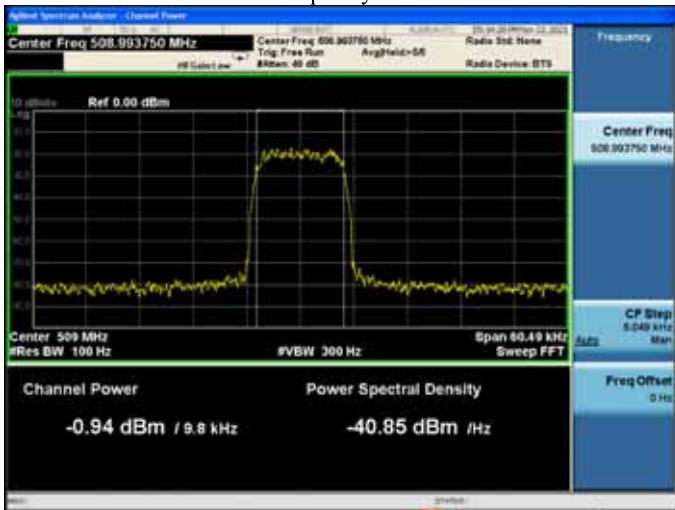
Input signal
Middle Frequency: 479.0MHz



With the input signal amplitude set the AGC threshold
Middle Frequency: 479.0MHz



With the input signal amplitude set 3 dB above the AGC threshold
Middle Frequency: 479.0MHz



Input signal
High Frequency: 508.99375MHz

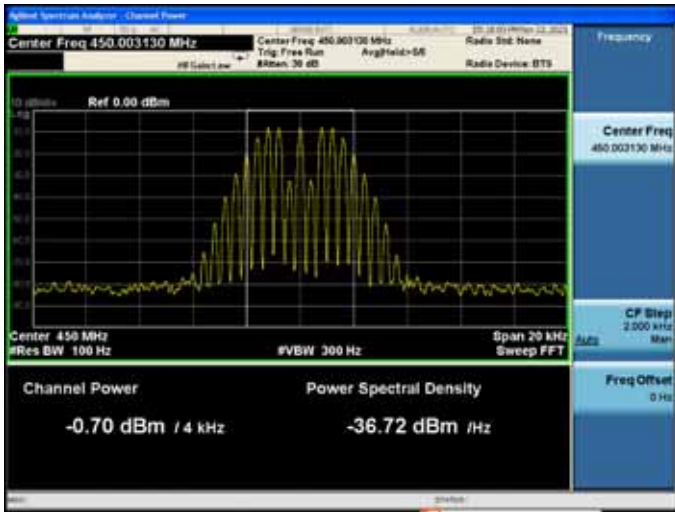


With the input signal amplitude set the AGC threshold
High Frequency: 508.99375MHz

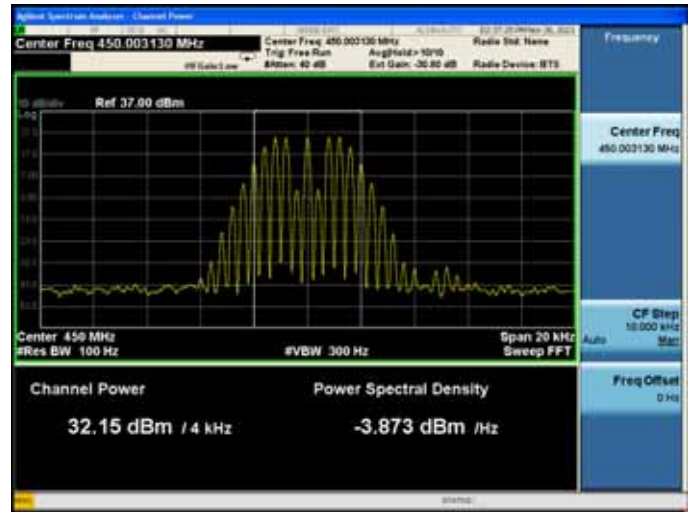


With the input signal amplitude set 3 dB above the AGC threshold
High Frequency: 508.99375MHz

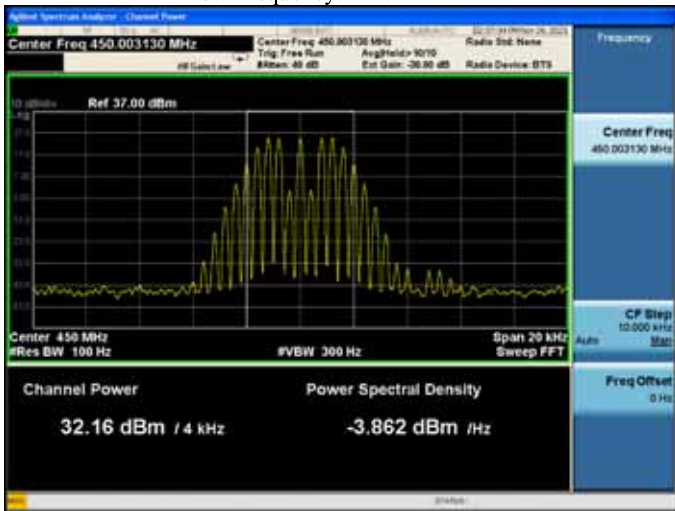
10.5.5.3.1.1.3. 6.25kHz Analog FM mode



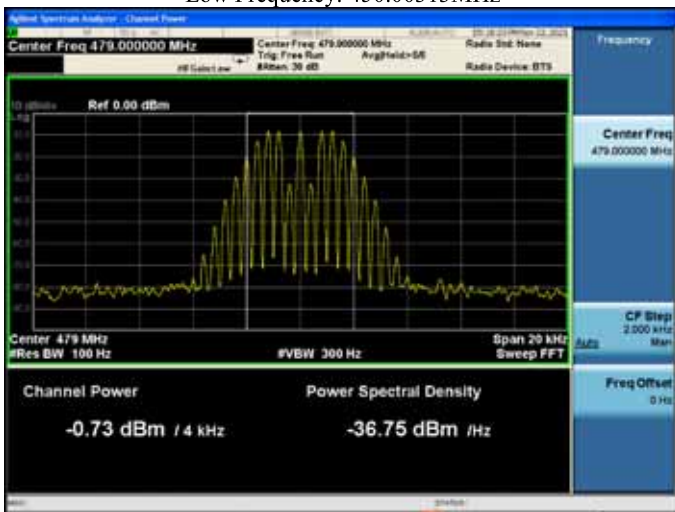
Input signal
Low Frequency: 450.00313MHz



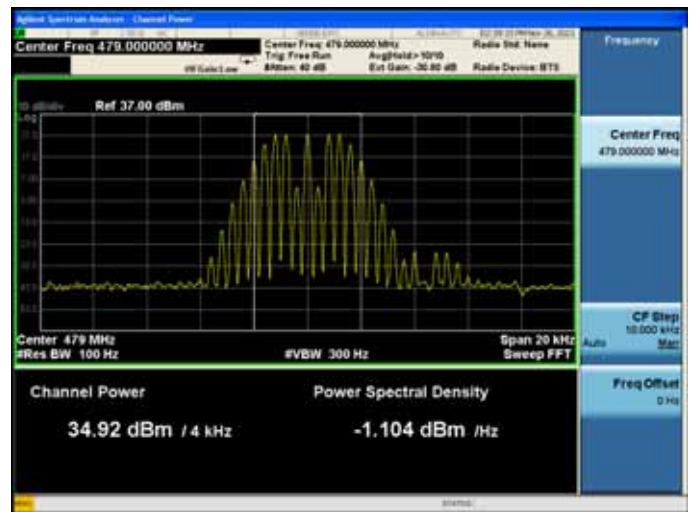
With the input signal amplitude set the AGC threshold
Low Frequency: 450.00313MHz



With the input signal amplitude set 3 dB above the AGC threshold
Low Frequency: 450.00313MHz



Input signal
Middle Frequency: 479.0MHz



With the input signal amplitude set the AGC threshold
Middle Frequency: 479.0MHz