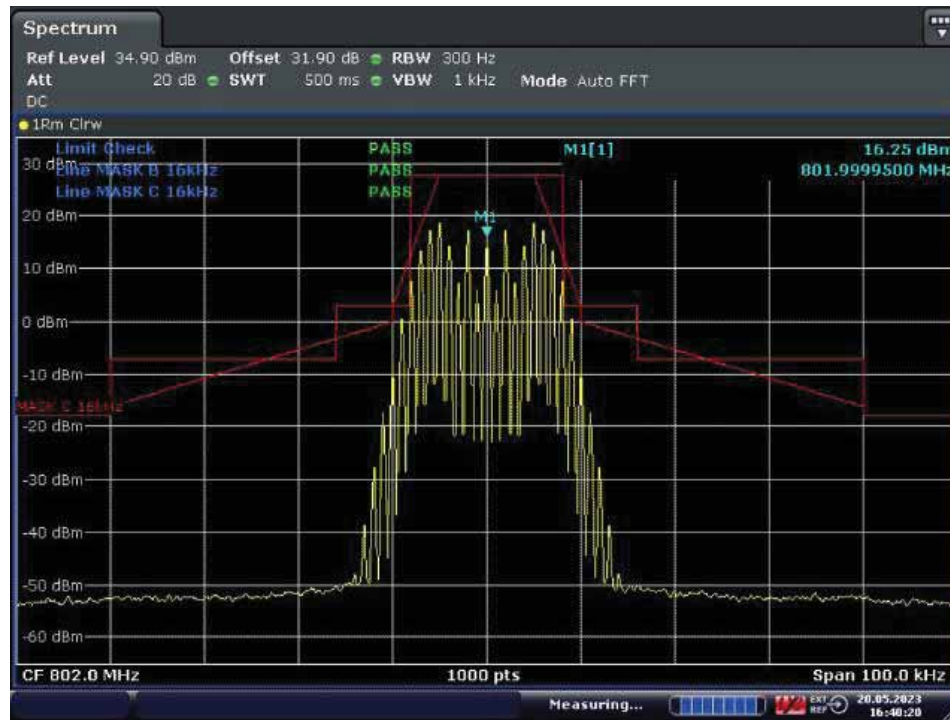
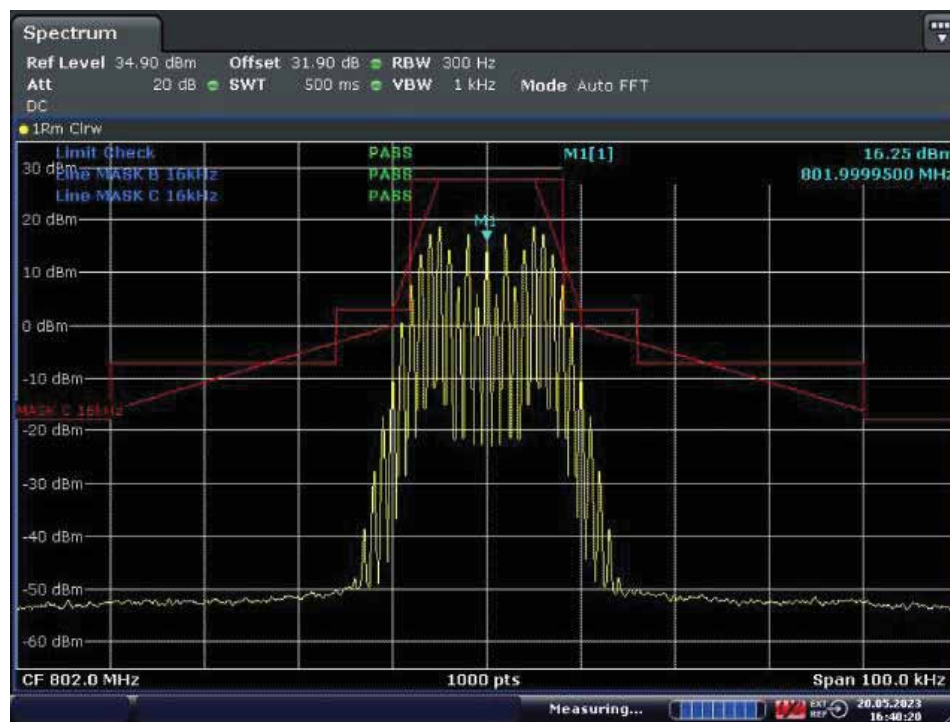


11.15.2.1.1.4.2. Uplink transmit



Date: 20.MAY.2023 16:40:20

With the input signal amplitude set the AGC threshold
Middle Frequency: 802.0MHz

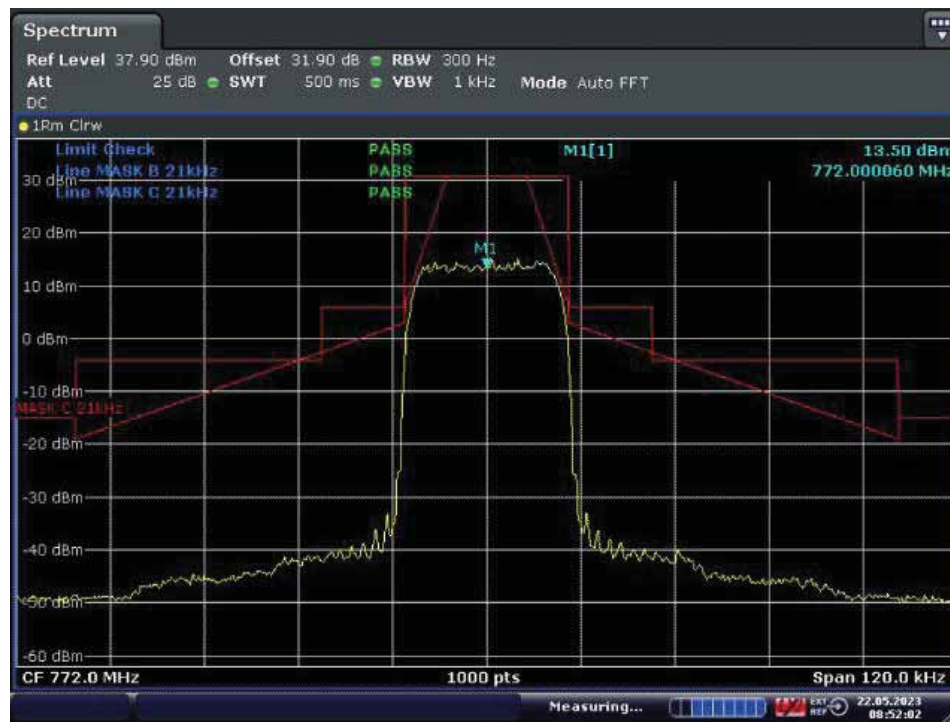


Date: 20.MAY.2023 16:40:20

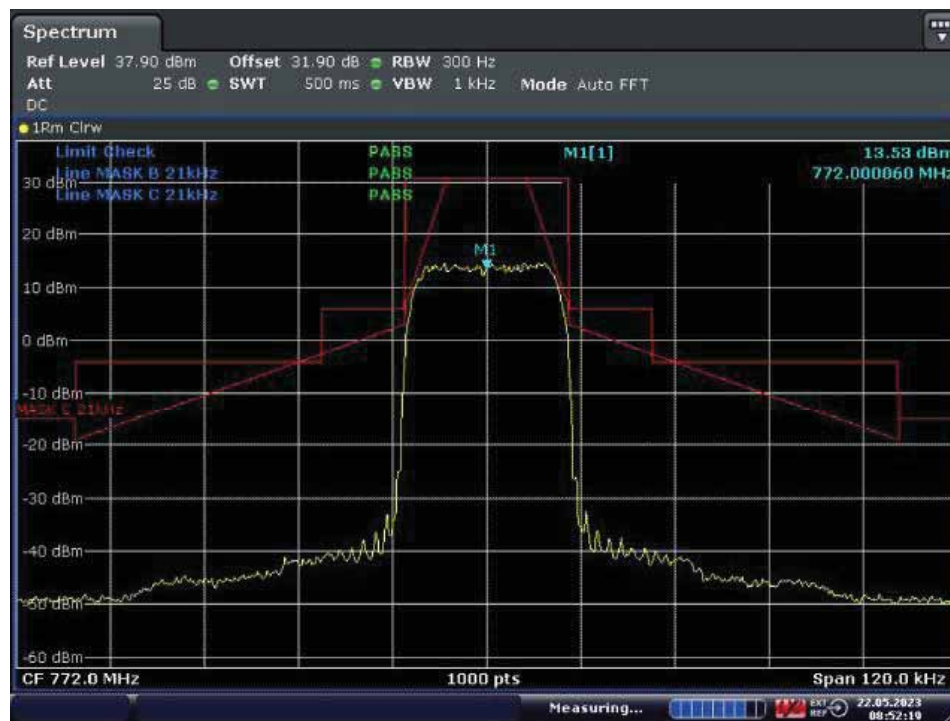
With the input signal amplitude set 3 dB above the AGC threshold
Middle Frequency: 802.0MHz

11.15.2.1.1.5. Tetra (Mask B+ Mask C)

11.15.2.1.1.5.1. Downlink transmit

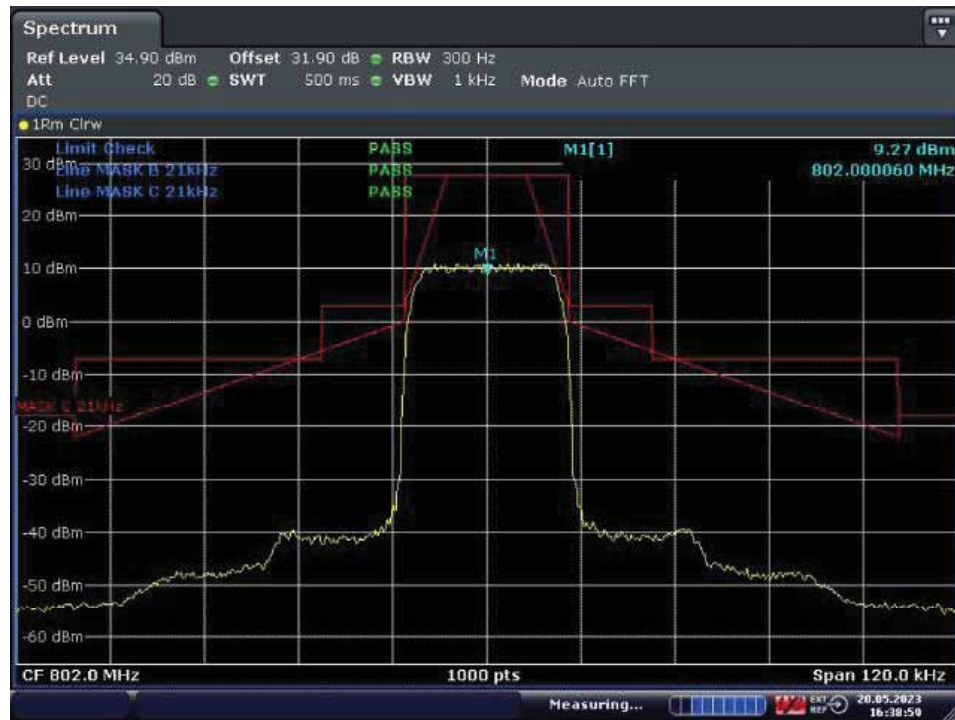


With the input signal amplitude set the AGC threshold
Middle Frequency: 772.0MHz

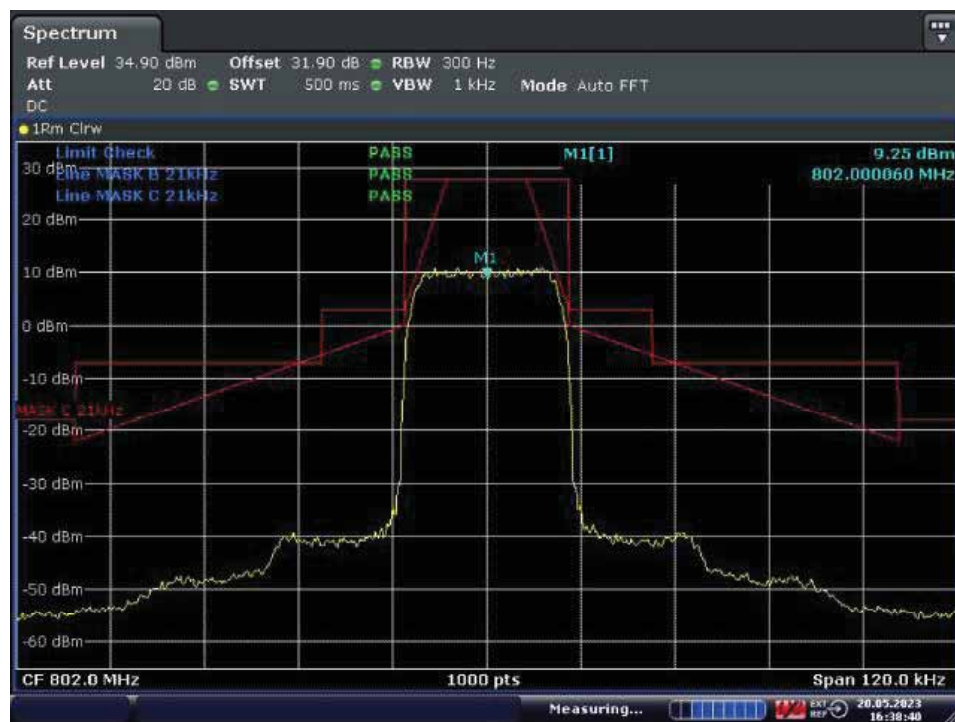


With the input signal amplitude set 3 dB above the AGC threshold
Middle Frequency: 772.0MHz

11.15.2.1.1.5.2. Uplink transmit



With the input signal amplitude set the AGC threshold
Middle Frequency: 802.0MHz

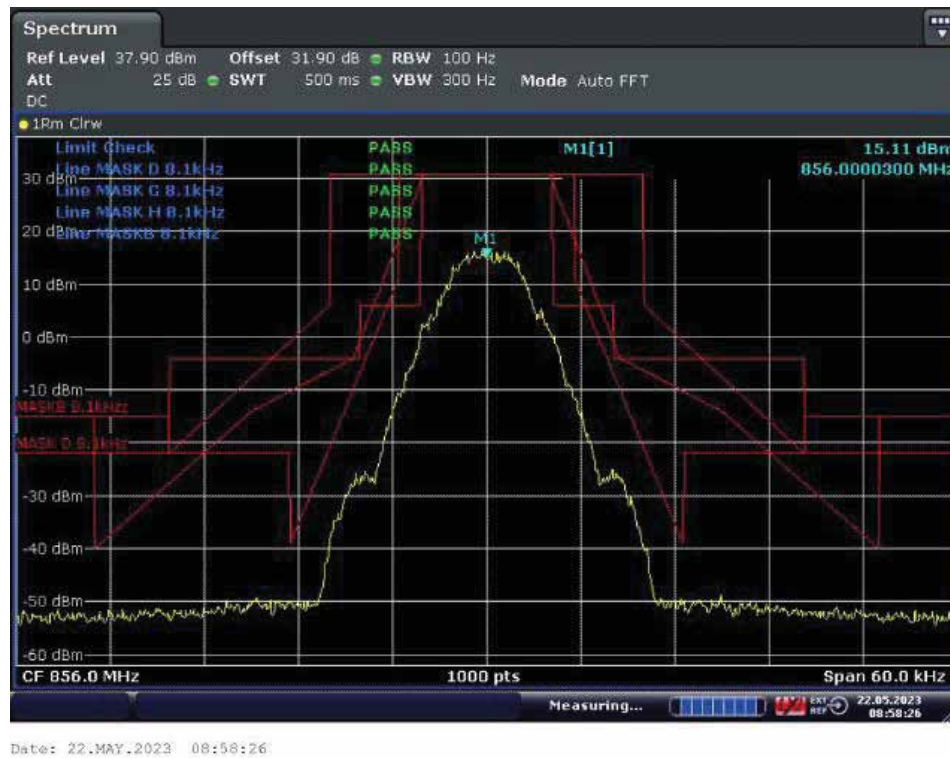


With the input signal amplitude set 3 dB above the AGC threshold
Middle Frequency: 802.0MHz

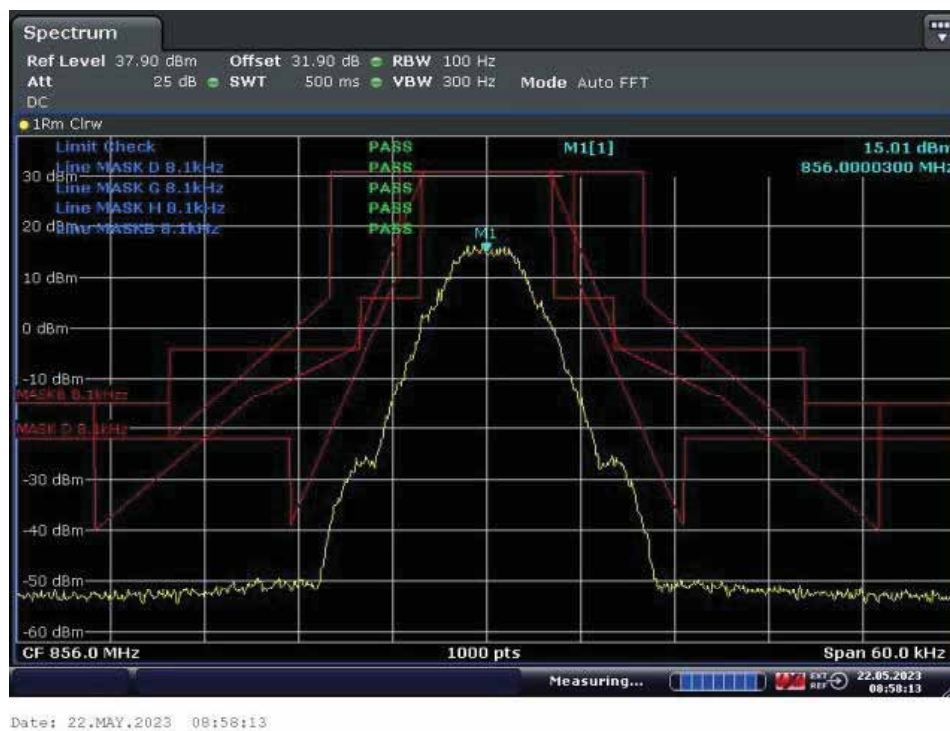
11.15.2.1.2. 800MHz Band

11.15.2.1.2.1. P25 Phase I(C4FM) (Mask B+ D+ G+H)

11.15.2.1.2.1.1. Downlink transmit



With the input signal amplitude set the AGC threshold
Middle Frequency: 856.0MHz

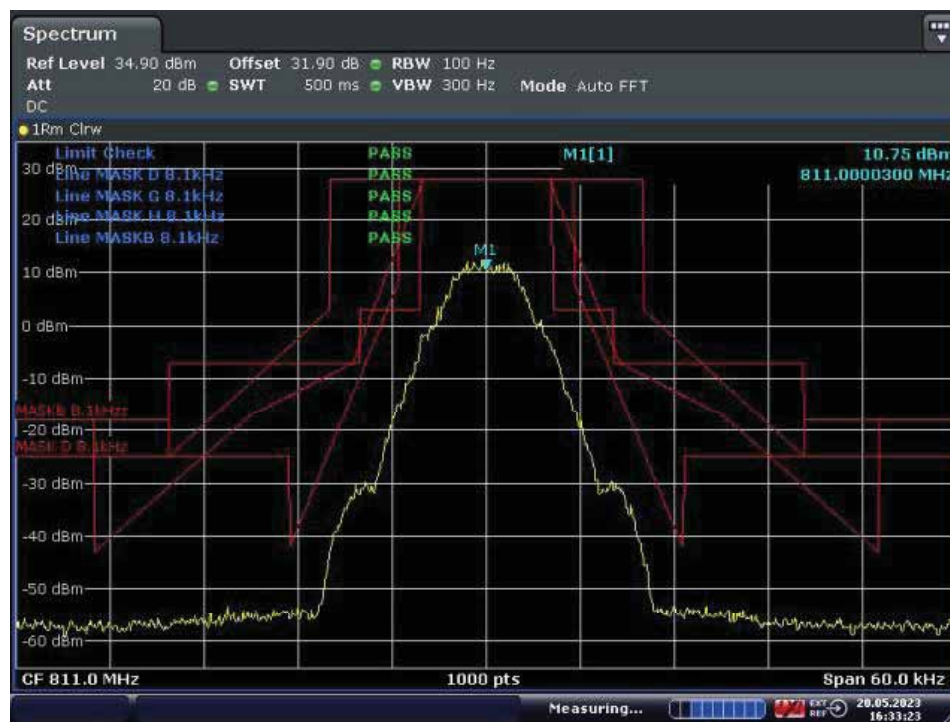


With the input signal amplitude set 3 dB above the AGC threshold
Middle Frequency: 856.0MHz

11.15.2.1.2.1.2. Uplink transmit



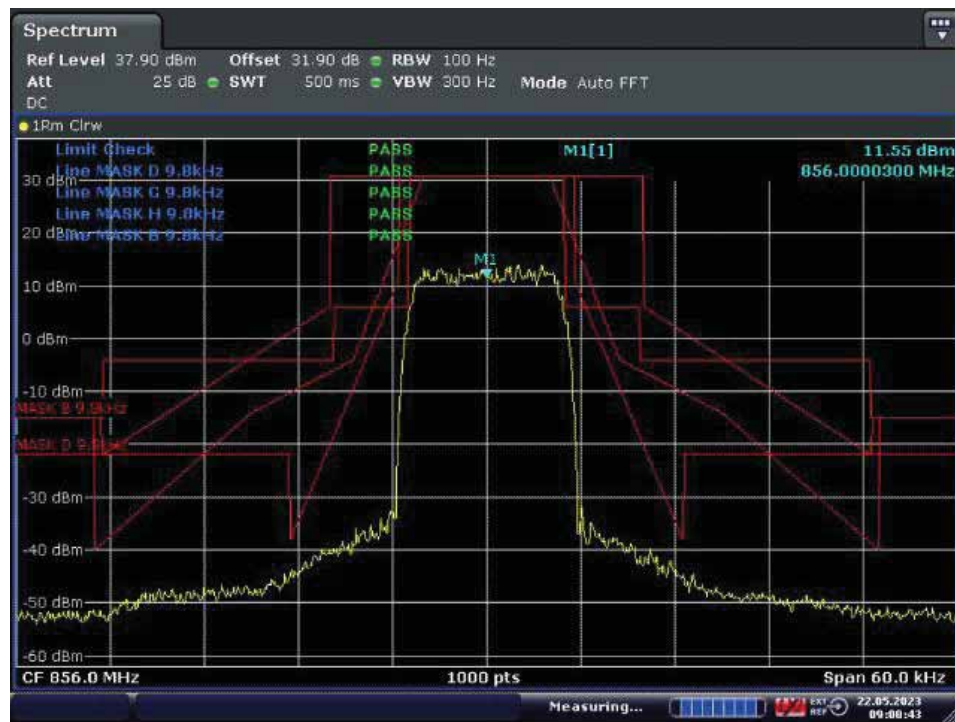
With the input signal amplitude set the AGC threshold
Middle Frequency: 811.0MHz



With the input signal amplitude set 3 dB above the AGC threshold
Middle Frequency: 811.0MHz

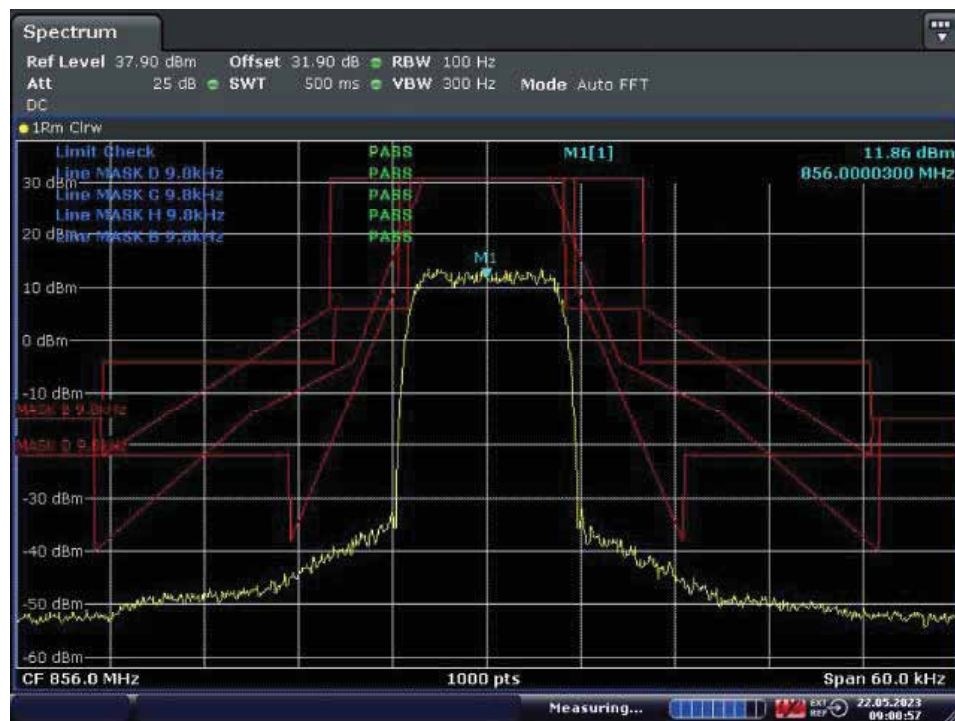
11.15.2.1.2.2. P25 Phase II (H-DQPSK) (Mask B+ D+ G+H)

11.15.2.1.2.2.1. Downlink transmit



Date: 22.MAY.2023 09:00:43

With the input signal amplitude set the AGC threshold
Middle Frequency: 856.0MHz



Date: 22.MAY.2023 09:00:57

With the input signal amplitude set 3 dB above the AGC threshold
Middle Frequency: 856.0MHz

11.15.2.1.2.2.2. Uplink transmit



Date: 20.MAY.2023 16:31:51

With the input signal amplitude set the AGC threshold
Middle Frequency: 811.0MHz

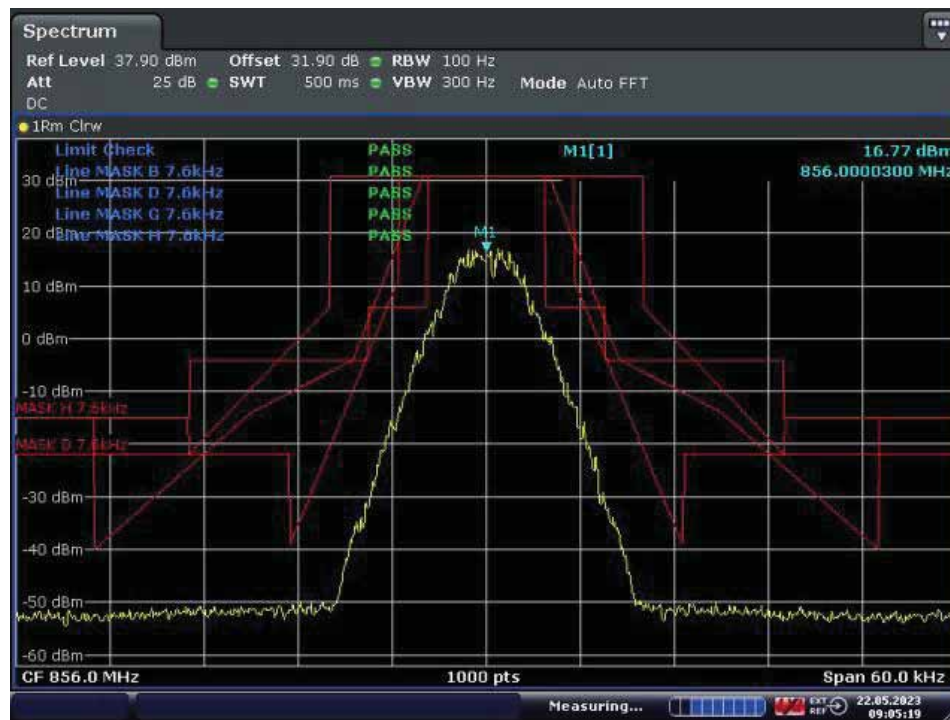


Date: 20.MAY.2023 16:32:06

With the input signal amplitude set 3 dB above the AGC threshold
Middle Frequency: 811.0MHz

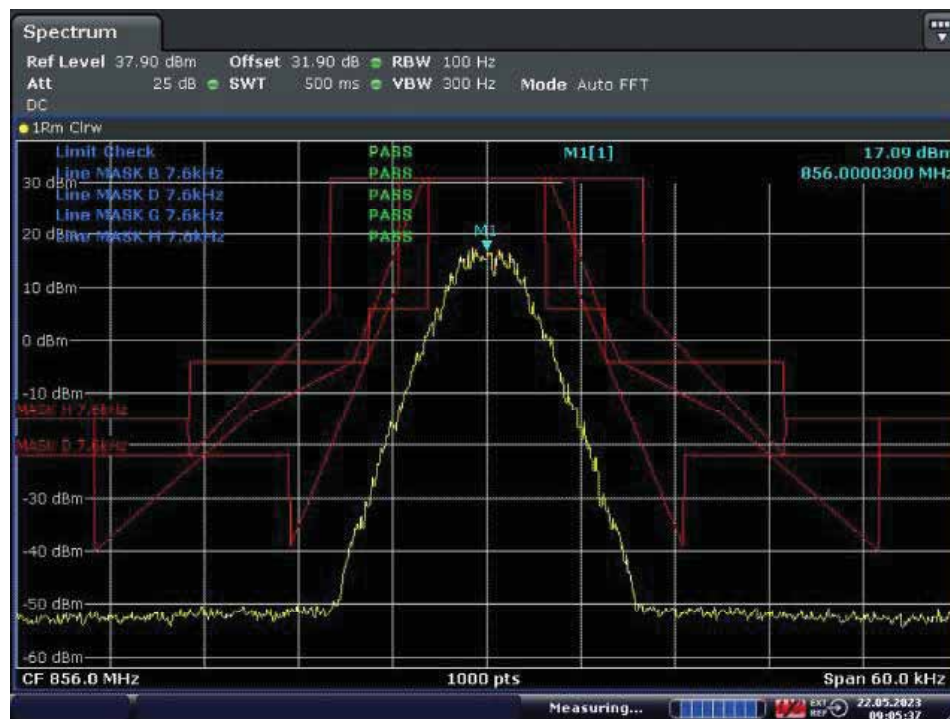
11.15.2.1.2.3. DMR (Mask B+ D+ G+H)

11.15.2.1.2.3.1. Downlink transmit



Date: 22.MAY.2023 09:05:19

With the input signal amplitude set the AGC threshold
Middle Frequency: 856.0MHz



Date: 22.MAY.2023 09:05:37

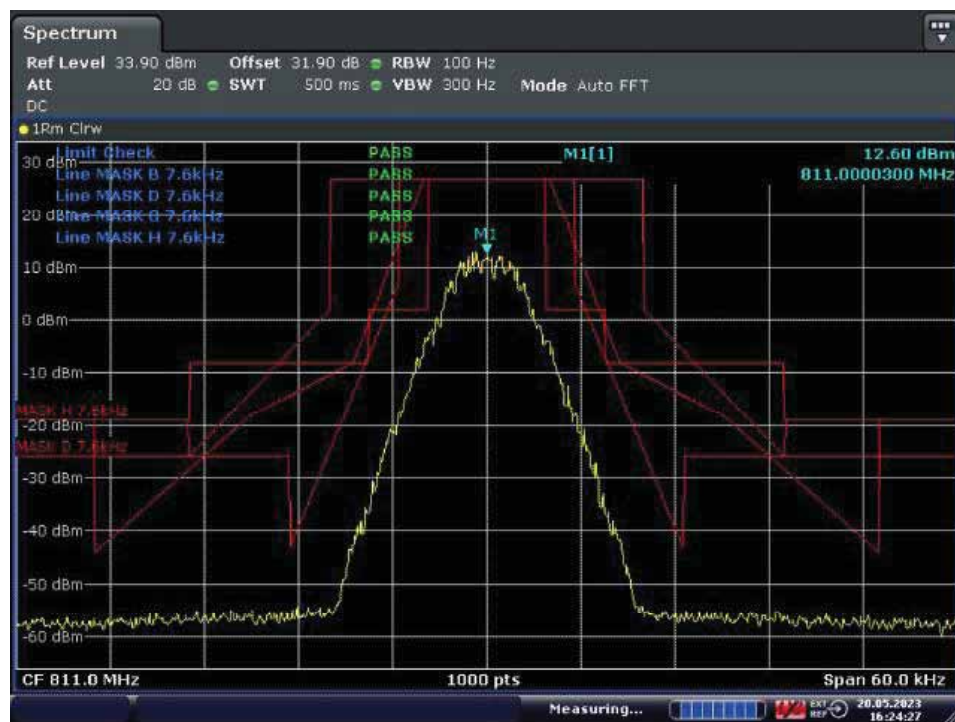
With the input signal amplitude set 3 dB above the AGC threshold
Middle Frequency: 856.0MHz

11.15.2.1.2.3.2. Uplink transmit



Date: 20.MAY.2023 16:23:56

With the input signal amplitude set the AGC threshold
Middle Frequency: 811.0MHz

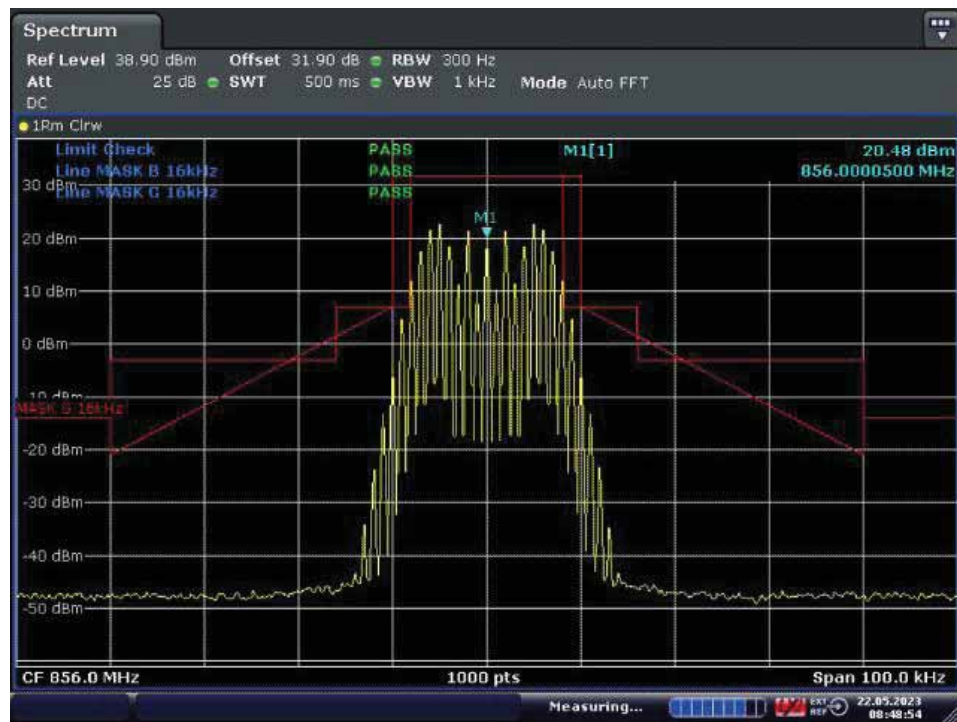


Date: 20.MAY.2023 16:24:27

With the input signal amplitude set 3 dB above the AGC threshold
Middle Frequency: 811.0MHz

11.15.2.1.2.4. Analog FM (Mask B+ Mask G)

11.15.2.1.2.4.1. Downlink transmit



Date: 22.MAY.2023 08:48:54

With the input signal amplitude set the AGC threshold
Middle Frequency: 856.0MHz



Date: 22.MAY.2023 08:49:13

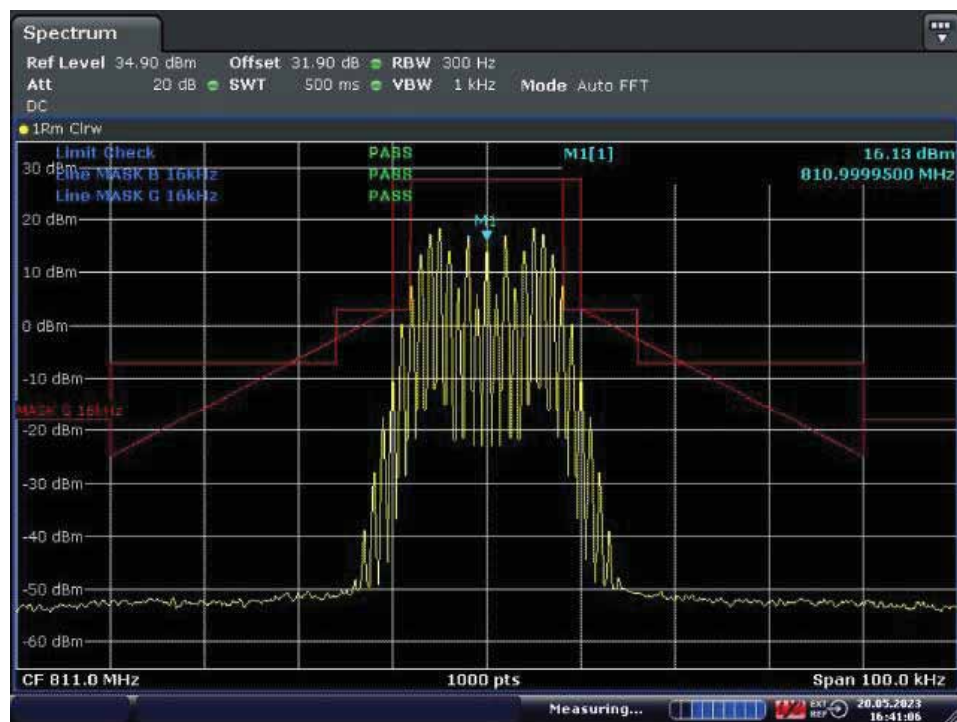
With the input signal amplitude set 3 dB above the AGC threshold
Middle Frequency: 856.0MHz

11.15.2.1.2.4.2. Uplink transmit



Date: 20.MAY.2023 16:40:55

With the input signal amplitude set the AGC threshold
Middle Frequency: 811.0MHz

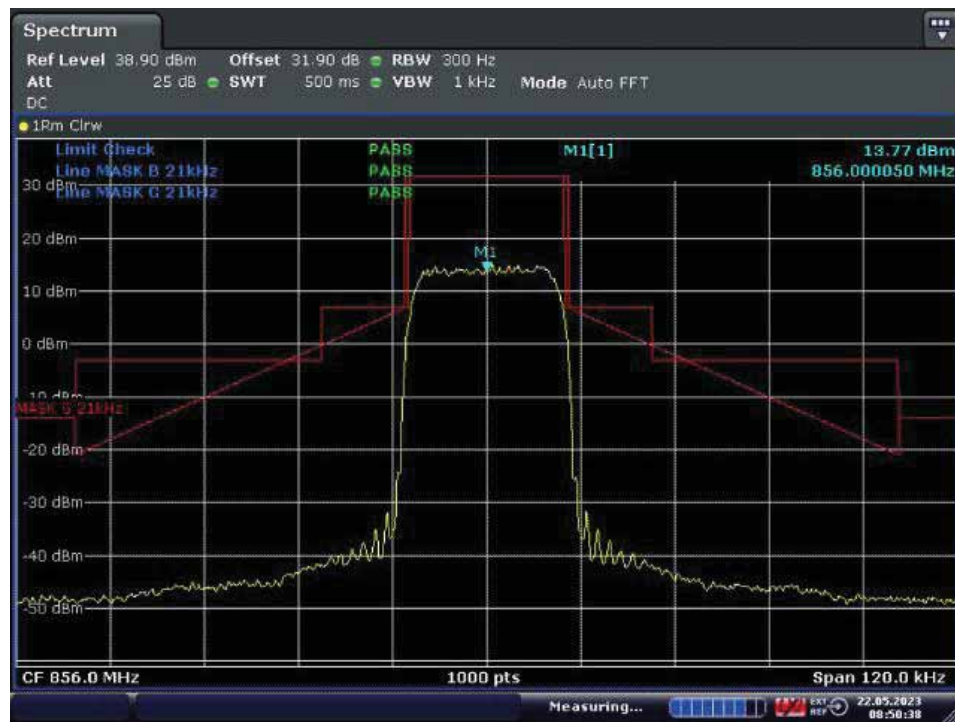


Date: 20.MAY.2023 16:41:06

With the input signal amplitude set 3 dB above the AGC threshold
Middle Frequency: 811.0MHz

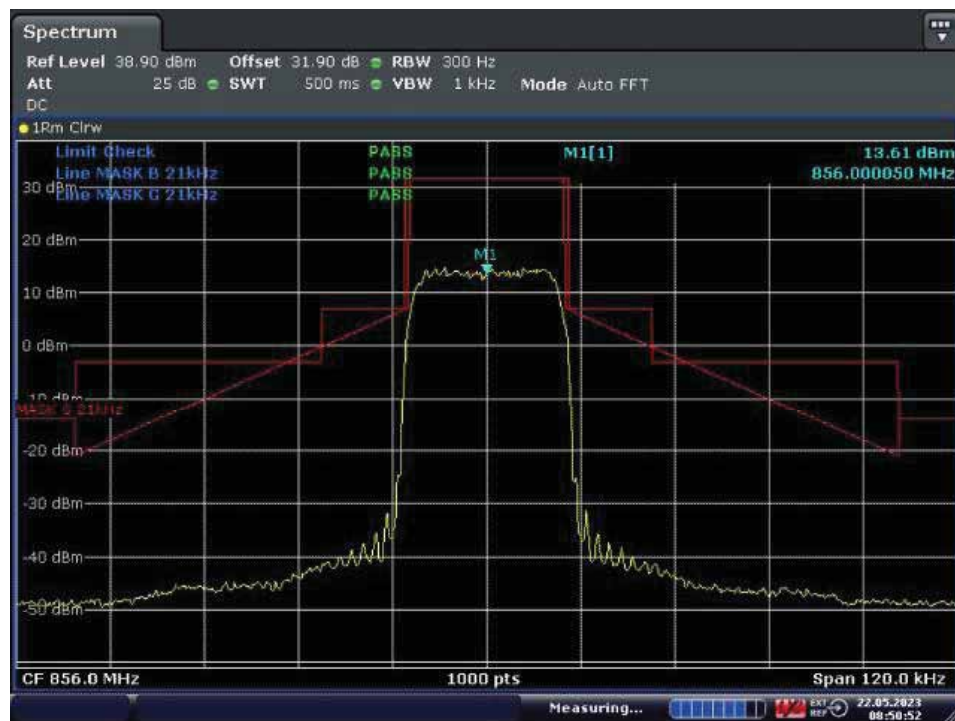
11.15.2.1.2.5. Tetra (Mask B+ Mask G)

11.15.2.1.2.5.1. Downlink transmit



Date: 22.MAY.2023 08:50:38

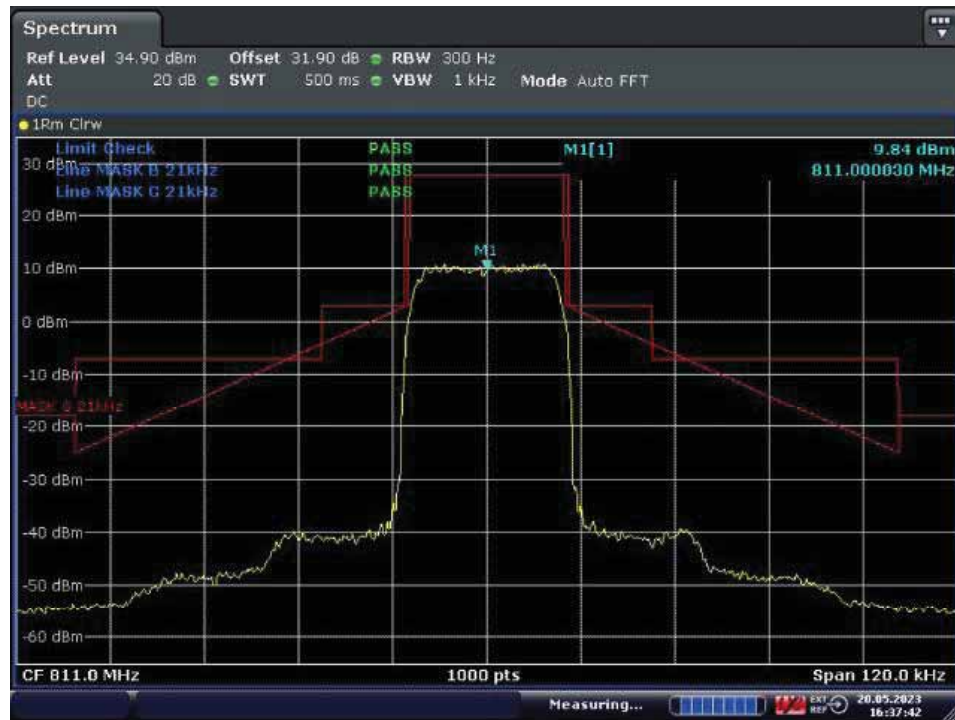
With the input signal amplitude set the AGC threshold
Middle Frequency: 856.0MHz



Date: 22.MAY.2023 08:50:52

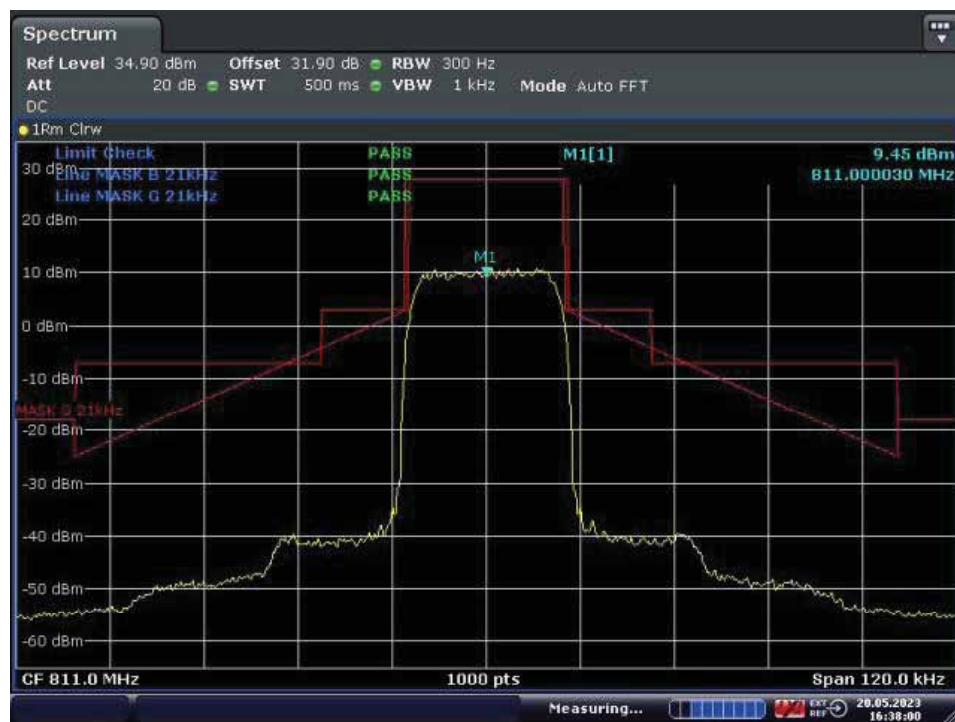
With the input signal amplitude set 3 dB above the AGC threshold
Middle Frequency: 856.0MHz

11.15.2.1.2.5.2. Uplink transmit



Date: 20.MAY.2023 16:37:42

With the input signal amplitude set the AGC threshold
Middle Frequency: 811.0MHz



Date: 20.MAY.2023 16:38:00

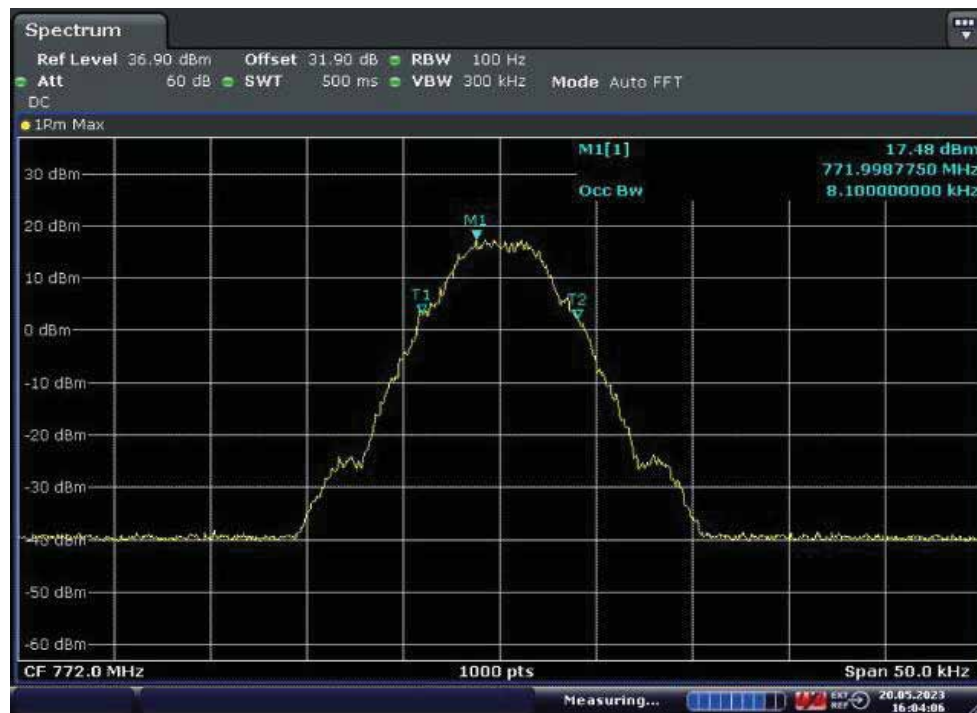
With the input signal amplitude set 3 dB above the AGC threshold
Middle Frequency: 811.0MHz

11.15.2.2. Occupied bandwidth

11.15.2.2.1. 700MHz Band

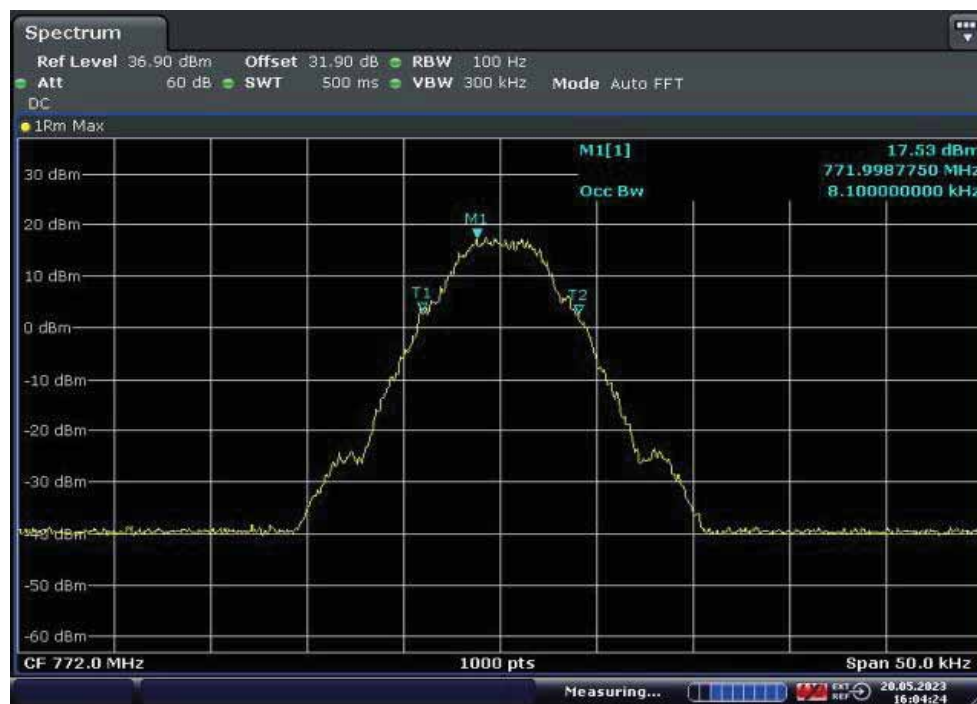
11.15.2.2.1.1. P25 Phase I(C4FM)

11.15.2.2.1.1.1. Downlink



Date: 20.MAY.2023 16:04:06

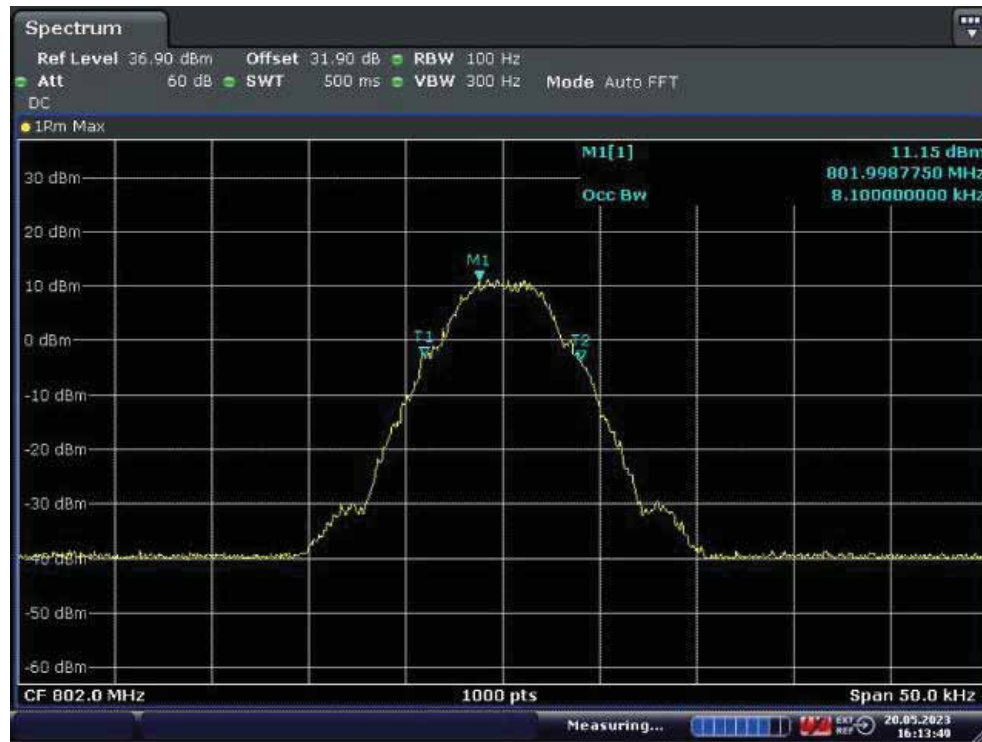
Middle Frequency: 772.0MHz, Output occupied BW(AGC)



Date: 20.MAY.2023 16:04:24

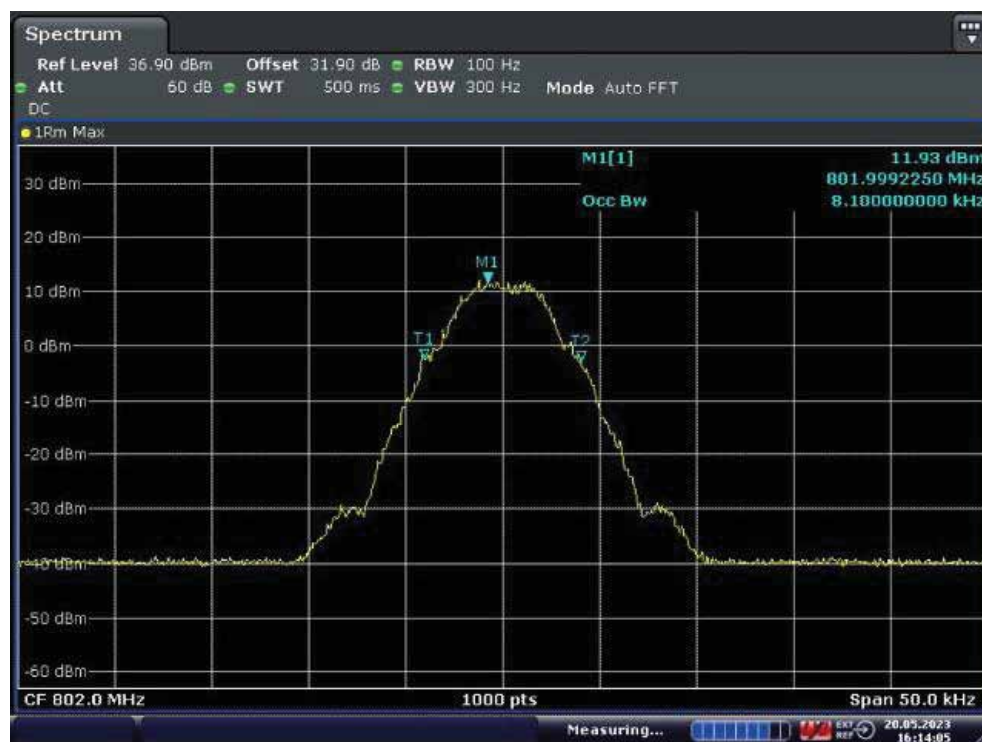
Middle Frequency: 772.0MHz, Output occupied BW (with the input signal amplitude set 3 dB above the AGC threshold)

11.15.2.2.1.1.2. Uplink



Date: 20.MAY.2023 16:13:48

Middle Frequency: 802.0MHz, Output occupied BW(AGC)



Date: 20.MAY.2023 16:14:05

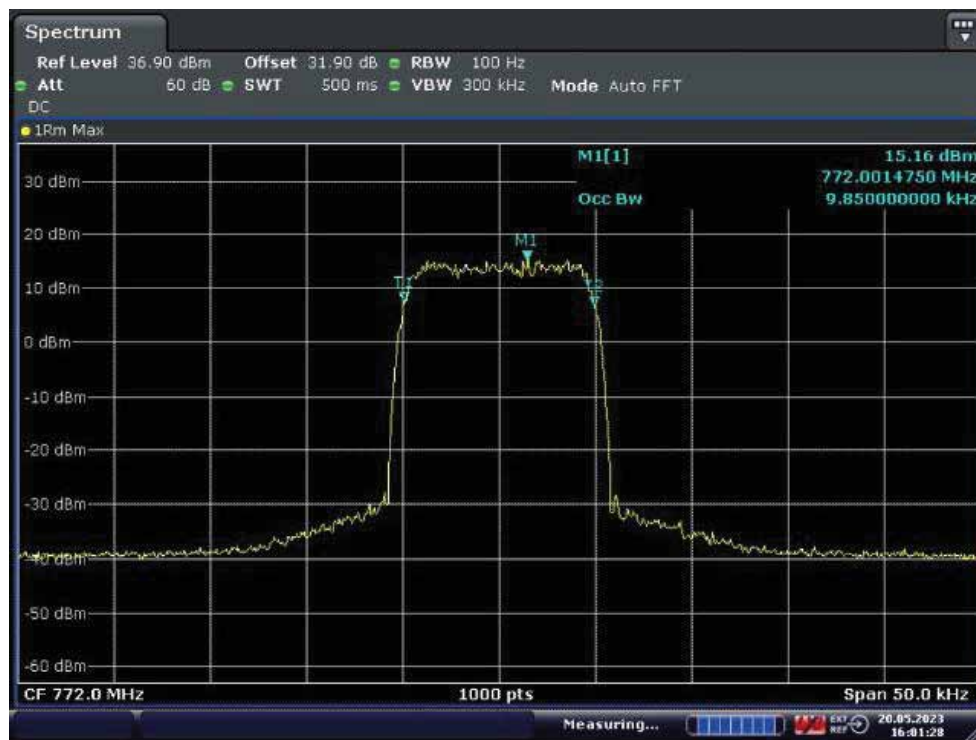
Middle Frequency: 802.0MHz, Output occupied BW (with the input signal amplitude set 3 dB above the AGC threshold)

11.15.2.2.1.2. P25 Phase II(H-DQPSK)

11.15.2.2.1.2.1. Downlink

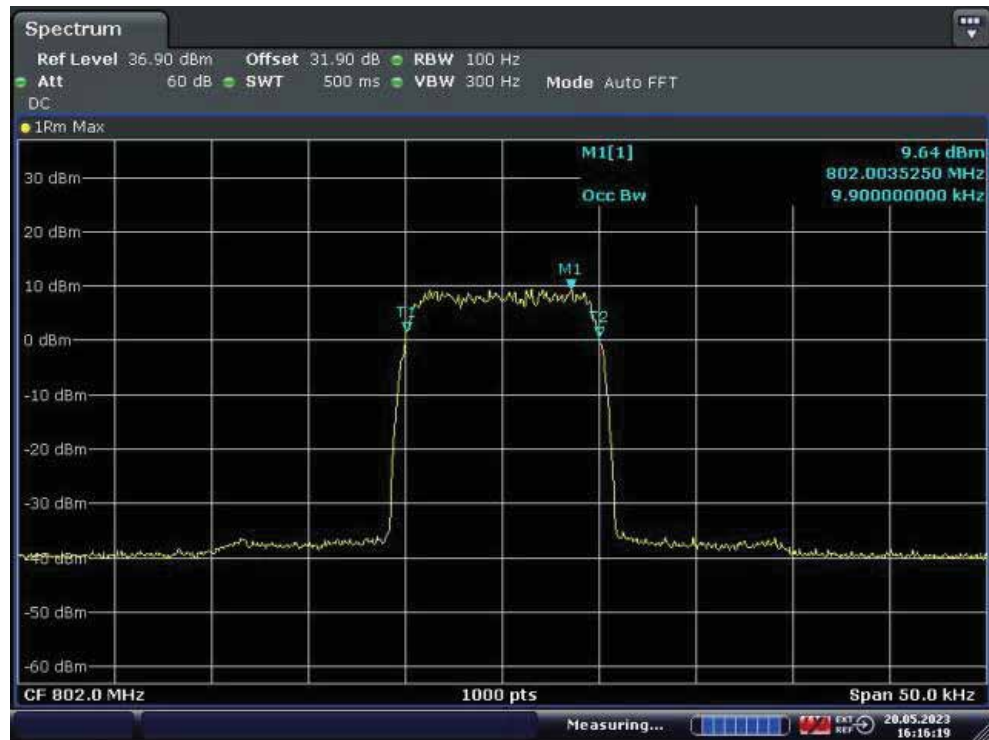


Middle Frequency: 772.0MHz, Output occupied BW(AGC)



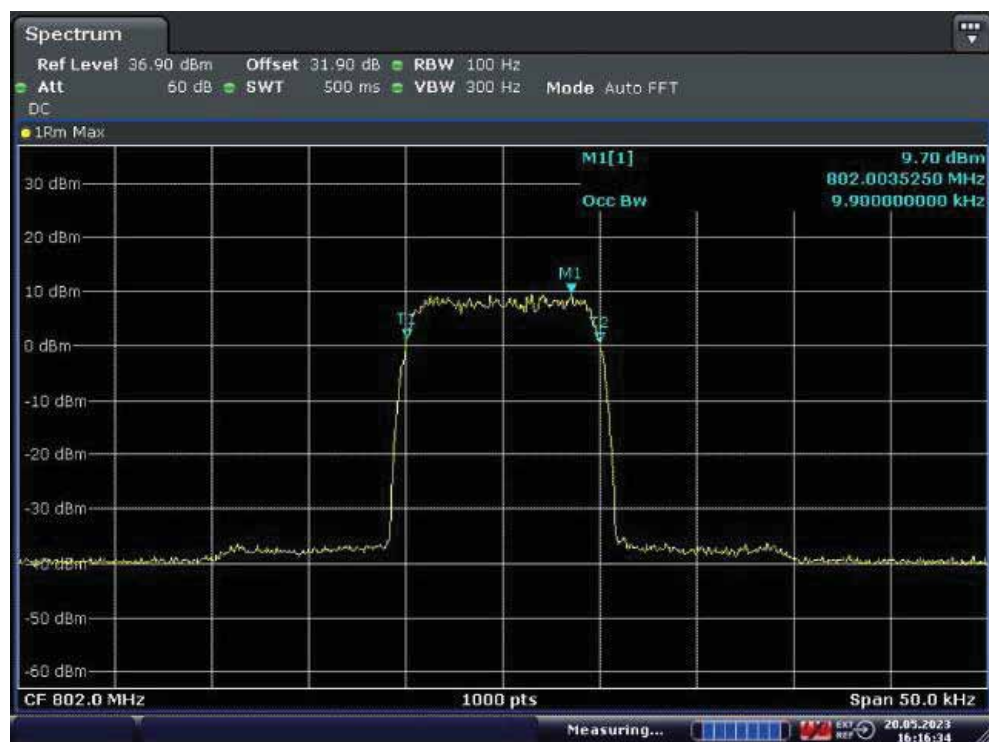
Middle Frequency: 772.0MHz, Output occupied BW (with the input signal amplitude set 3 dB above the AGC threshold)

11.15.2.2.1.2.2. Uplink



Date: 20.MAY.2023 16:16:19

Middle Frequency: 802.0MHz, Output occupied BW(AGC)

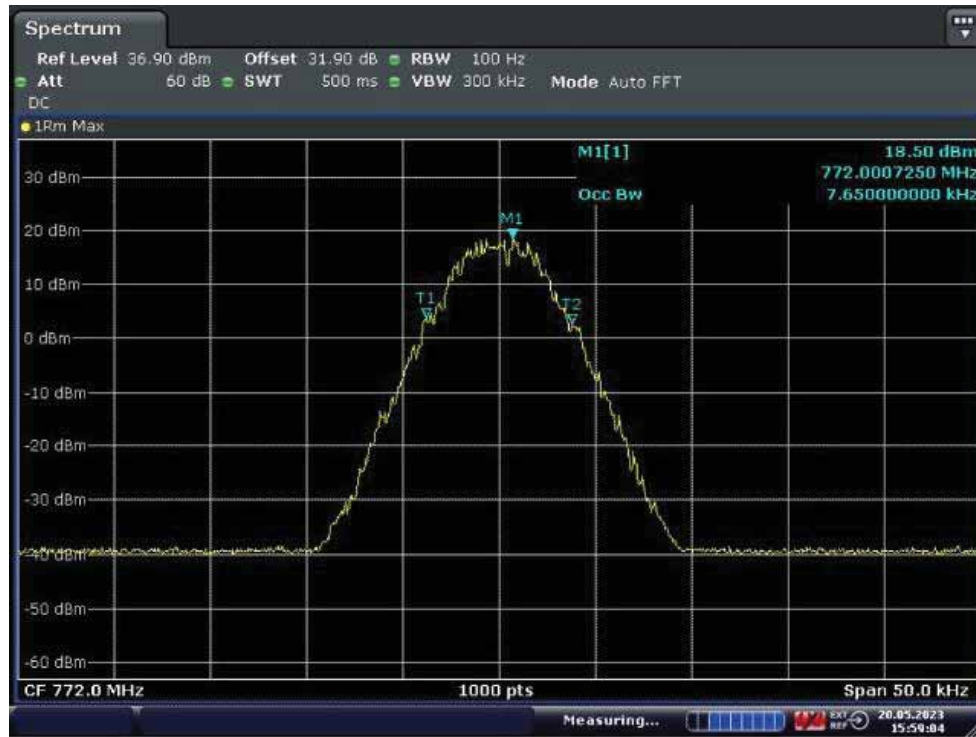


Date: 20.MAY.2023 16:16:34

Middle Frequency: 802.0MHz, Output occupied BW (with the input signal amplitude set 3 dB above the AGC threshold)

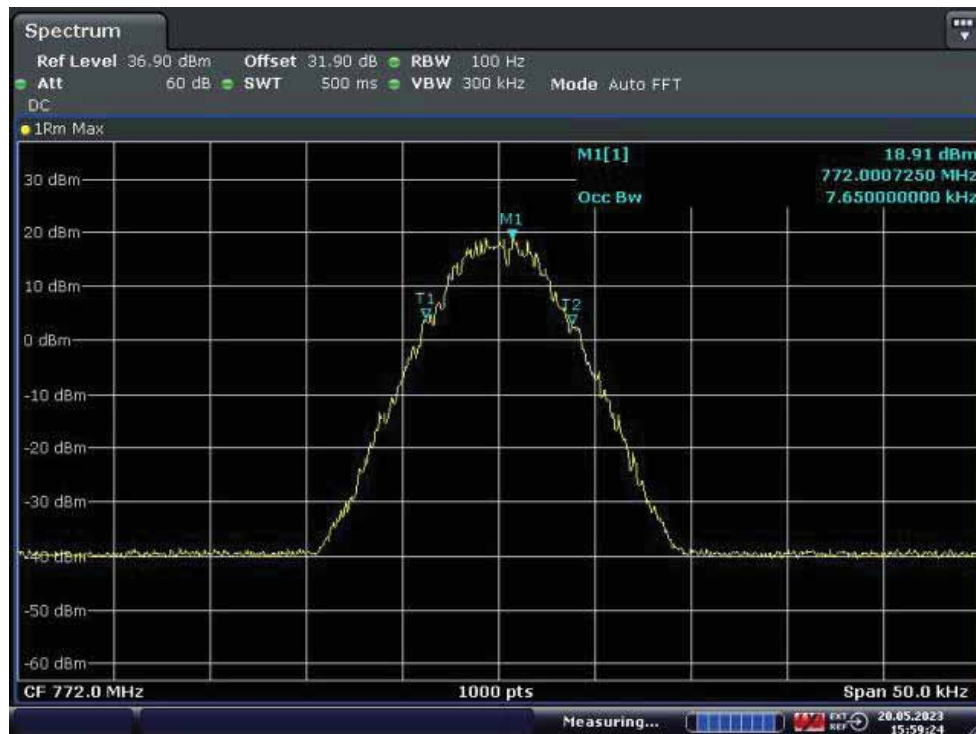
11.15.2.2.1.3. DMR

11.15.2.2.1.3.1. Downlink



Date: 20.MAY.2023 15:59:04

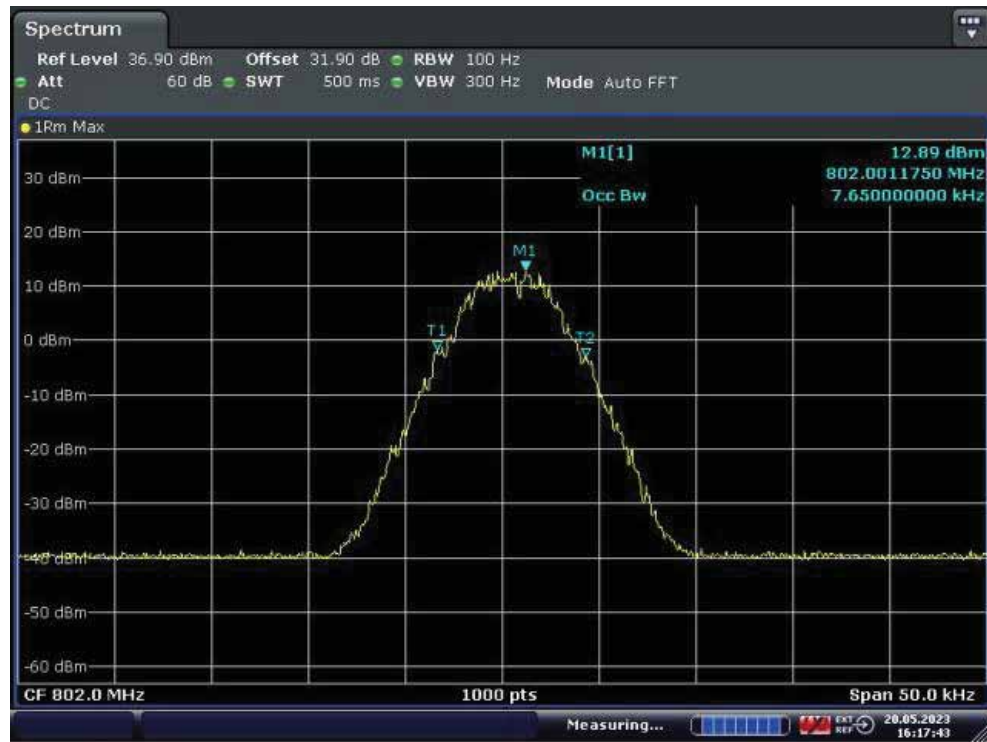
Middle Frequency: 772.0MHz, Output occupied BW(AGC)



Date: 20.MAY.2023 15:59:24

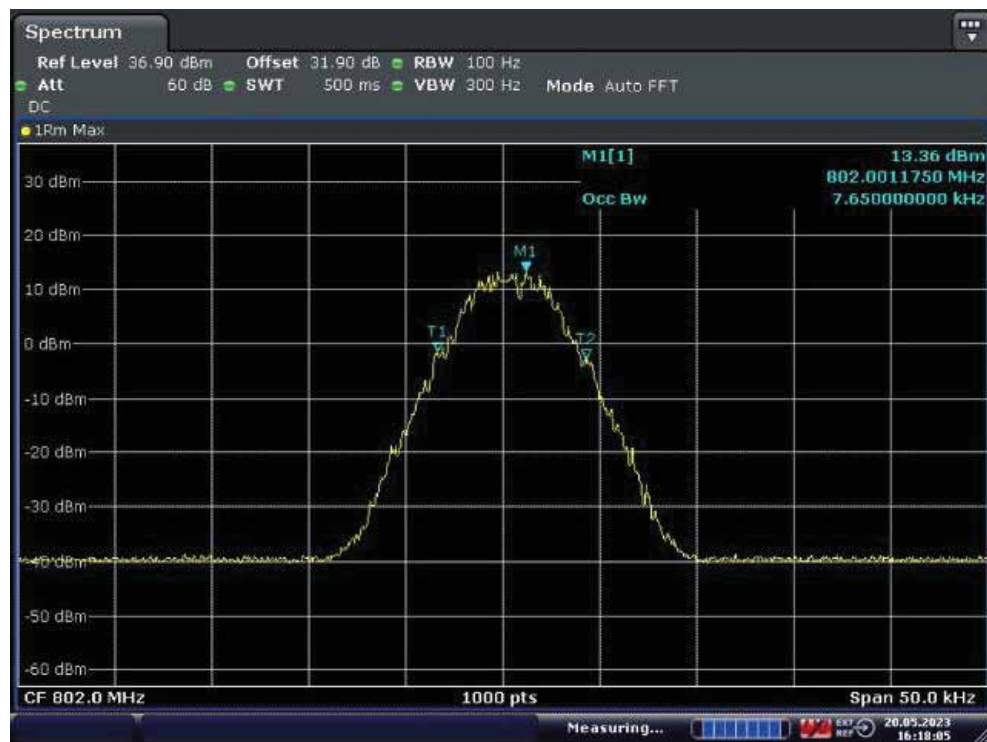
Middle Frequency: 772.0MHz, Output occupied BW (with the input signal amplitude set 3 dB above the AGC threshold)

11.15.2.2.1.3.2. Uplink



Date: 20.MAY.2023 16:17:43

Middle Frequency: 802.0MHz, Output occupied BW(AGC)



Date: 20.MAY.2023 16:18:05

Middle Frequency: 802.0MHz, Output occupied BW (with the input signal amplitude set 3 dB above the AGC threshold)

11.15.2.2.1.4. Analog FM

11.15.2.2.1.4.1. Downlink



Date: 20.MAY.2023 16:08:13

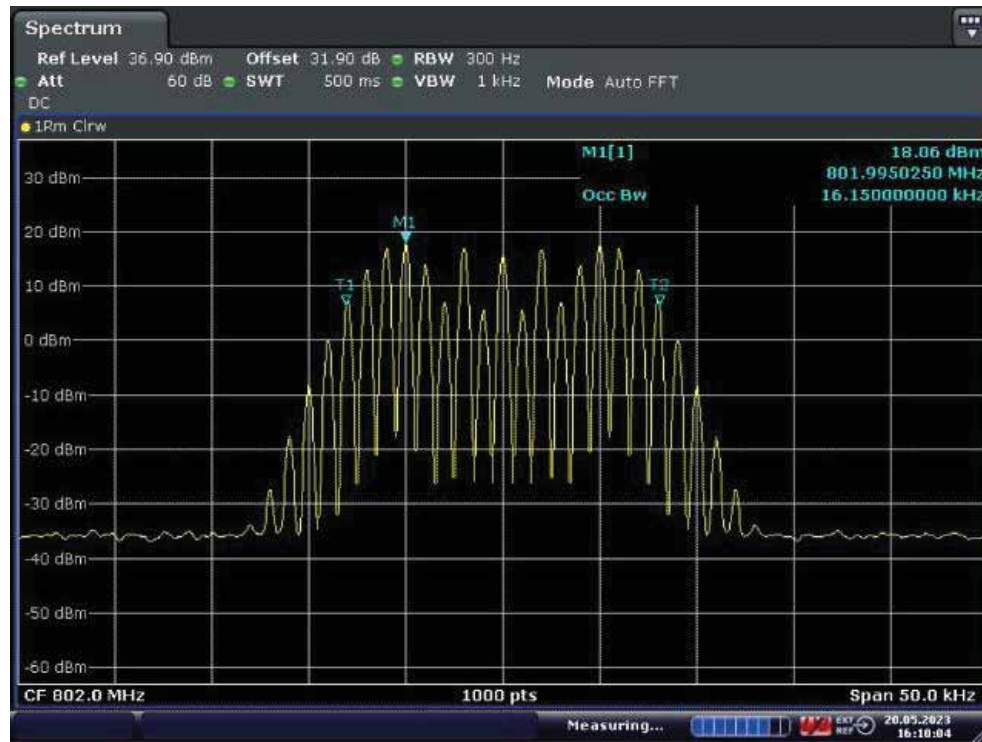
Middle Frequency: 772.0MHz, Output occupied BW(AGC)



Date: 20.MAY.2023 16:08:27

Middle Frequency: 772.0MHz, Output occupied BW (with the input signal amplitude set 3 dB above the AGC threshold)

11.15.2.2.1.4.2. Uplink



Date: 20.MAY.2023 16:10:04

Middle Frequency: 802.0MHz, Output occupied BW(AGC)

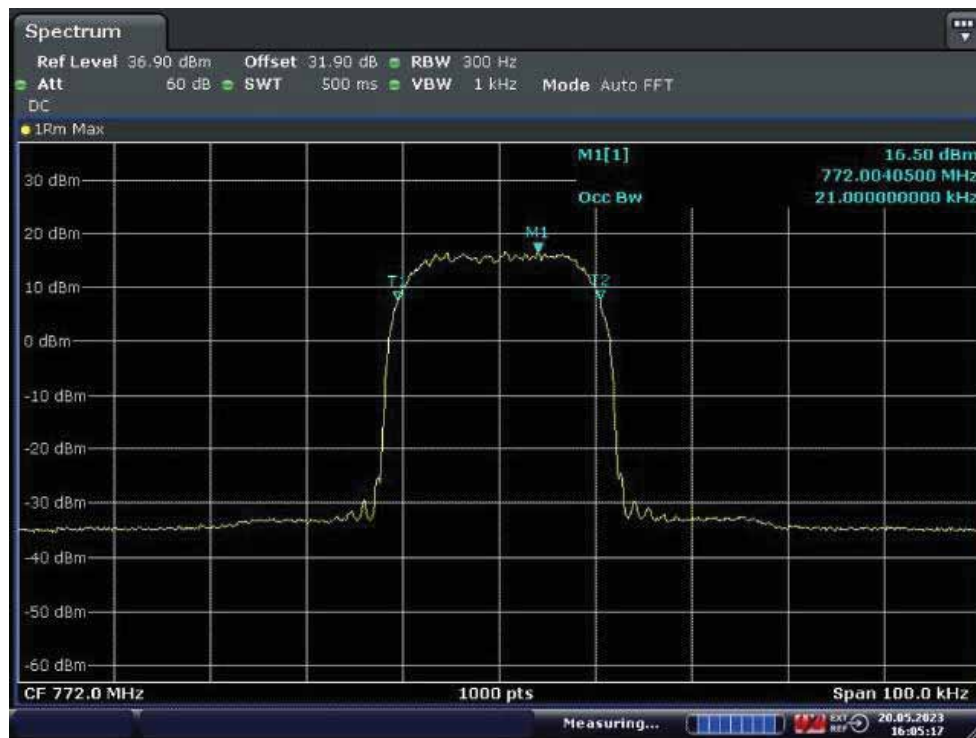


Date: 20.MAY.2023 16:10:16

Middle Frequency: 802.0MHz, Output occupied BW (with the input signal amplitude set 3 dB above the AGC threshold)

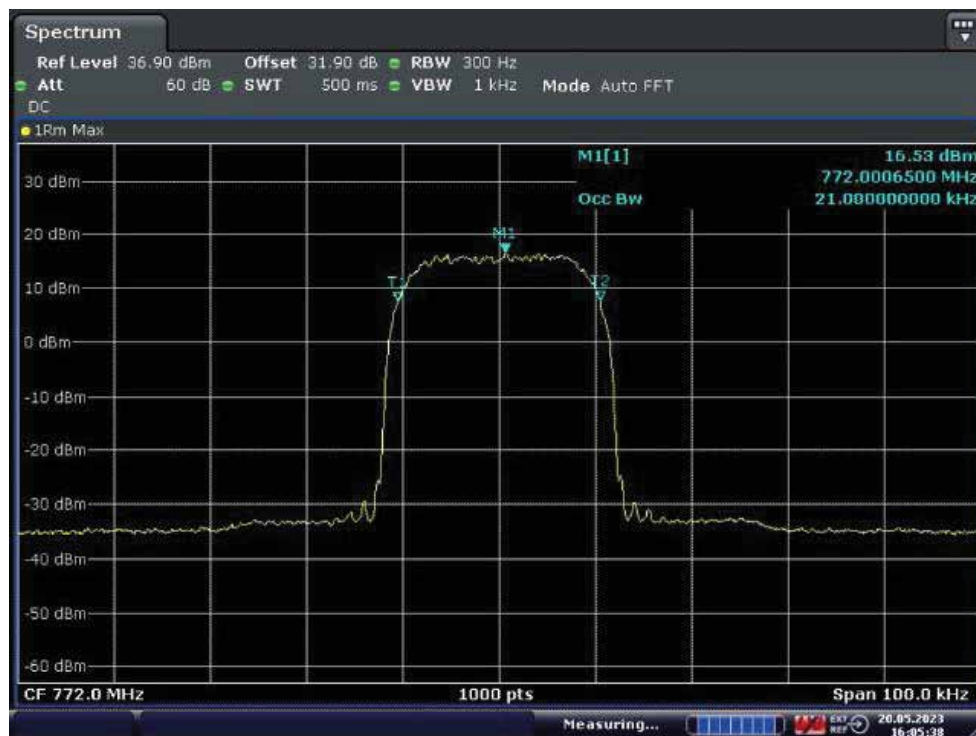
11.15.2.2.1.5. Tetra

11.15.2.2.1.5.1. Downlink



Date: 20.MAY.2023 16:05:17

Middle Frequency: 772.0MHz, Output occupied BW(AGC)



Date: 20.MAY.2023 16:05:37

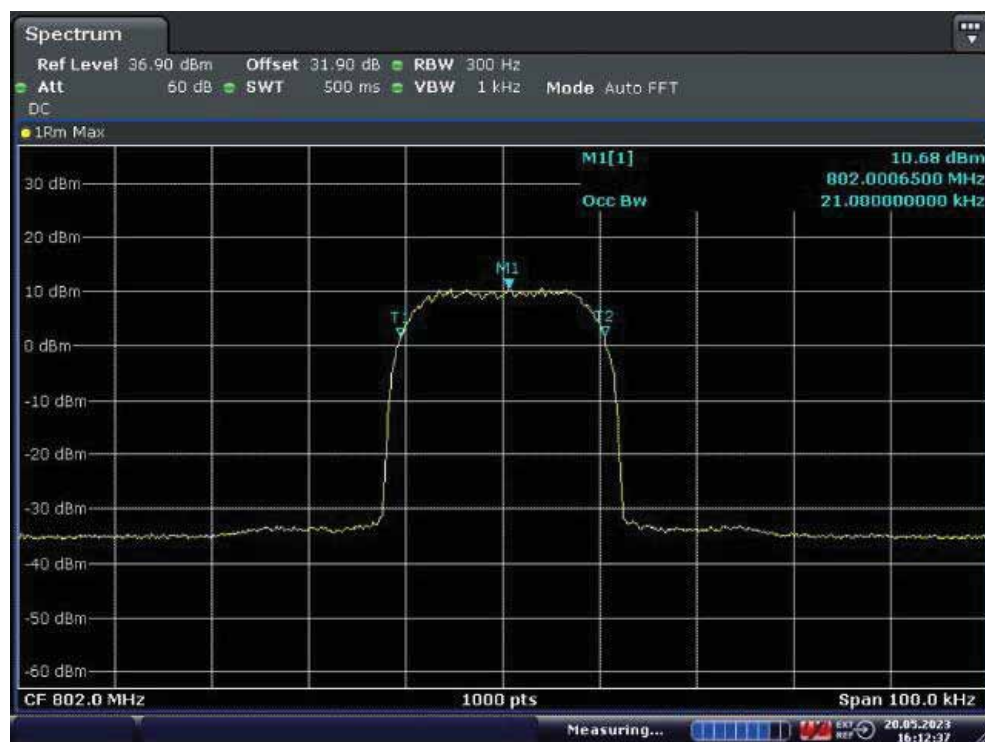
Middle Frequency: 772.0MHz, Output occupied BW (with the input signal amplitude set 3 dB above the AGC threshold)

11.15.2.2.1.5.2. Uplink



Date: 20.MAY.2023 16:12:17

Middle Frequency: 802.0MHz, Output occupied BW(AGC)



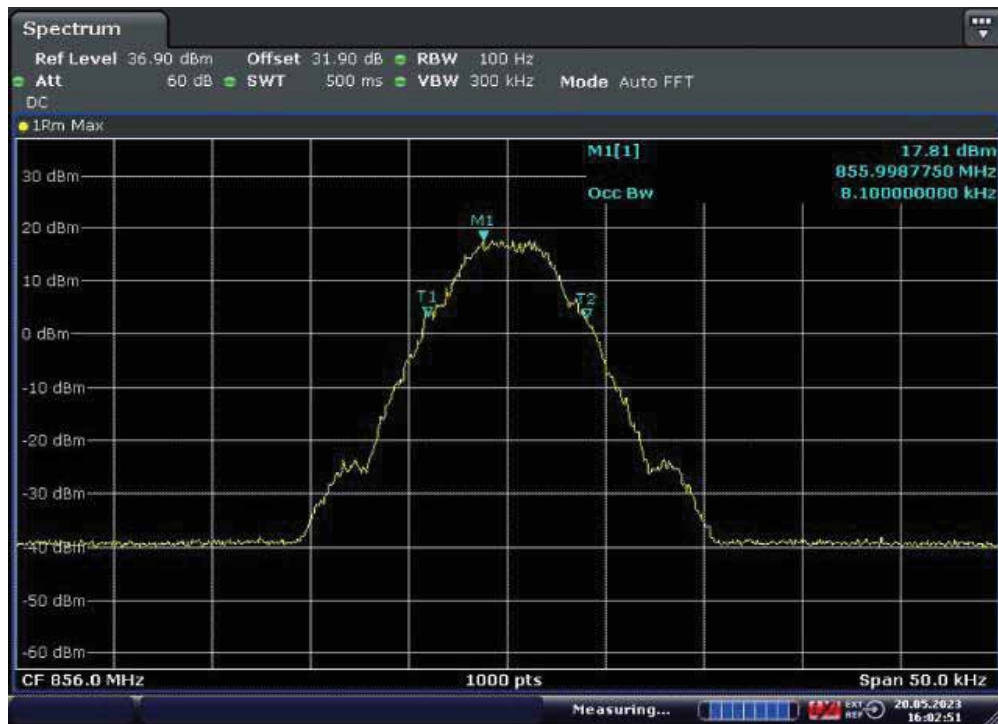
Date: 20.MAY.2023 16:12:37

Middle Frequency: 802.0MHz, Output occupied BW (with the input signal amplitude set 3 dB above the AGC threshold)

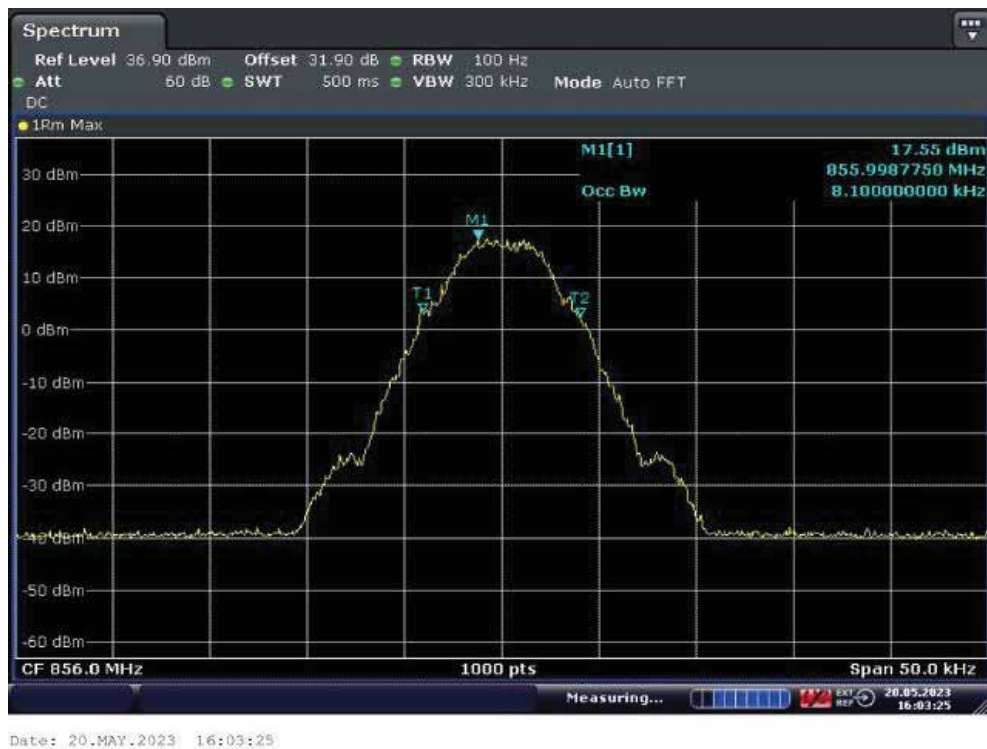
11.15.2.2.2. 800MHz Band

11.15.2.2.2.1. P25 Phase I(C4FM)

11.15.2.2.2.1.1. Downlink

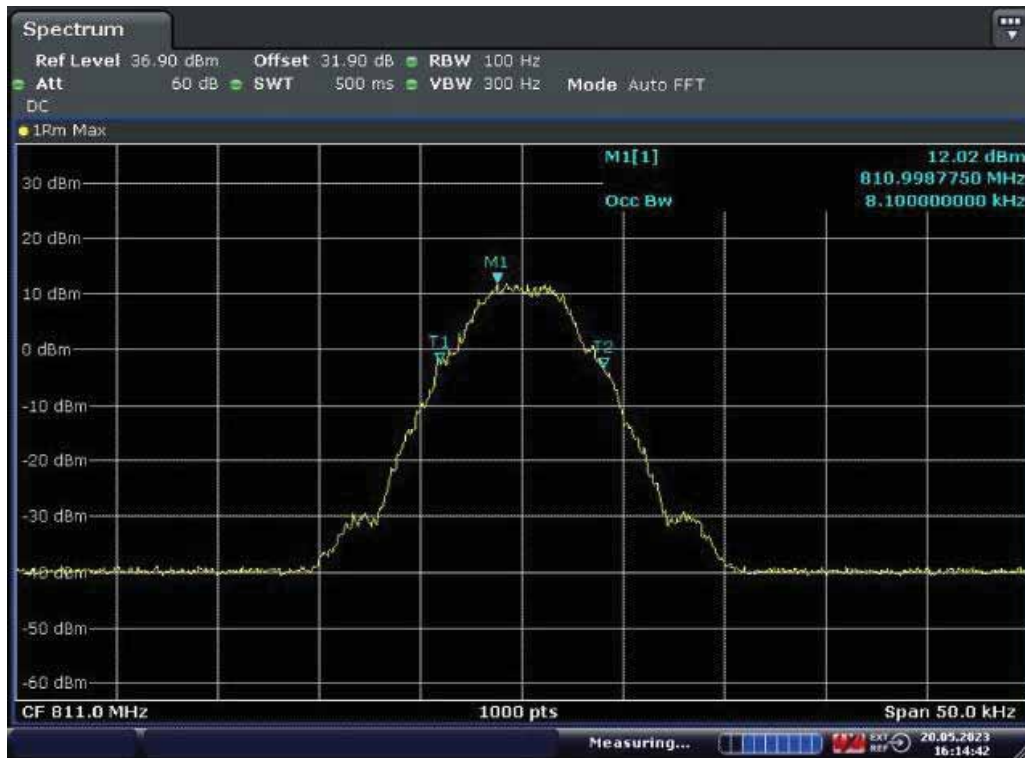


Middle Frequency: 856.0MHz, Output occupied BW(AGC)



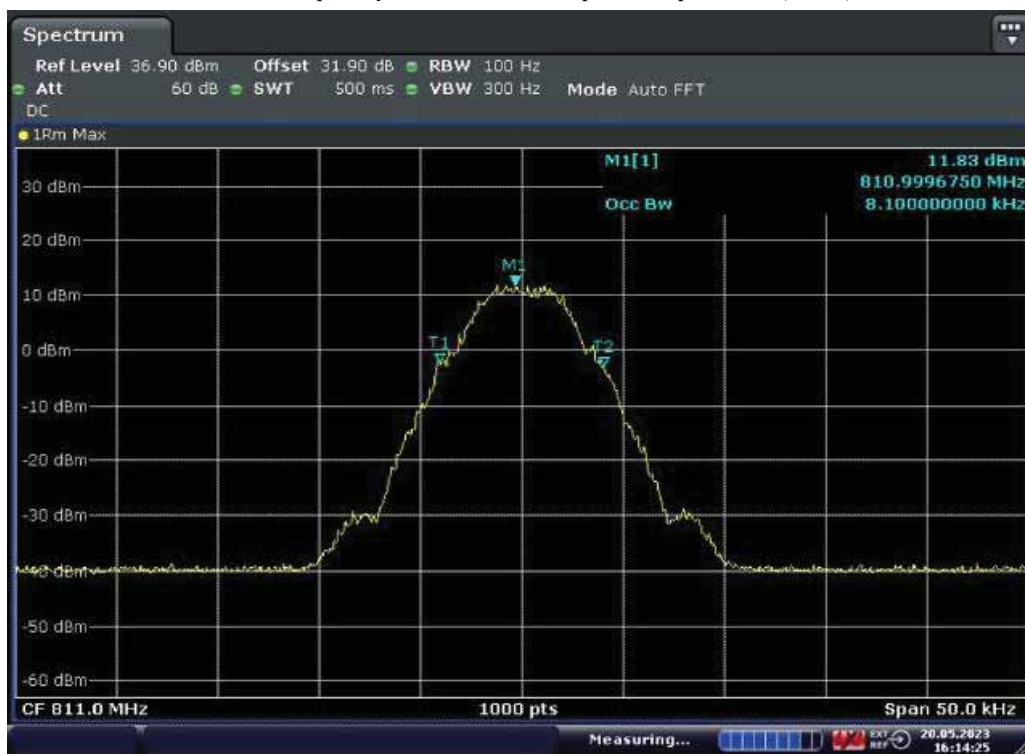
Middle Frequency: 856.0MHz, Output occupied BW (with the input signal amplitude set 3 dB above the AGC threshold)

11.15.2.2.2.1.2. Uplink



Date: 20.MAY.2023 16:14:42

Middle Frequency: 811.0MHz, Output occupied BW(AGC)

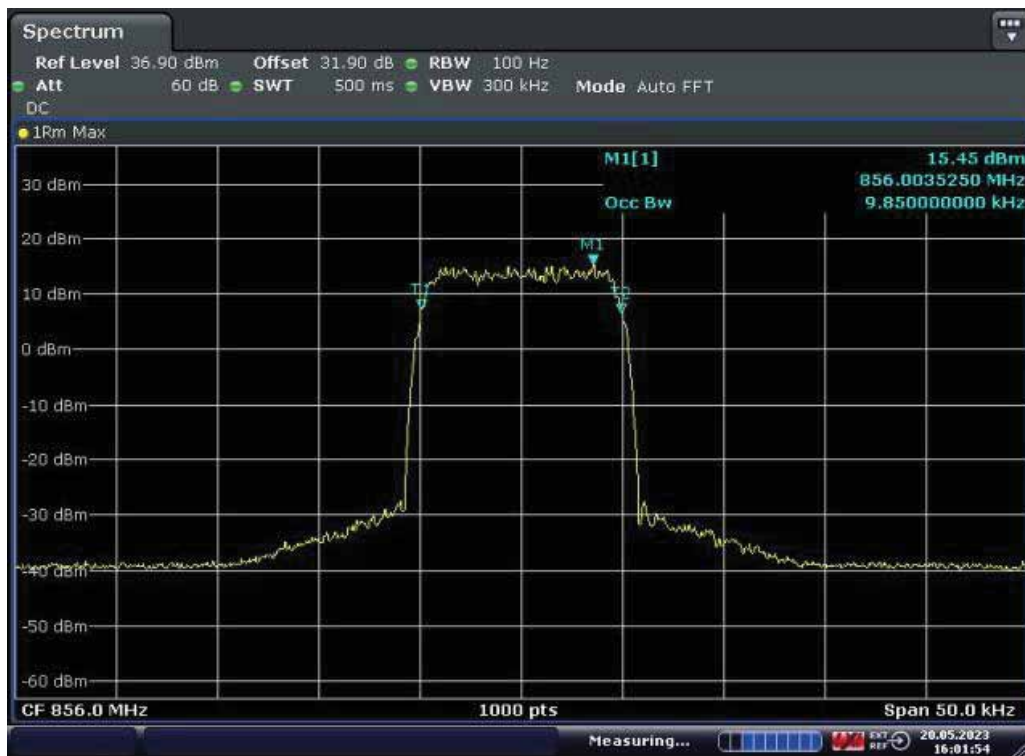


Date: 20.MAY.2023 16:14:24

Middle Frequency: 811.0MHz, Output occupied BW (with the input signal amplitude set 3 dB above the AGC threshold)

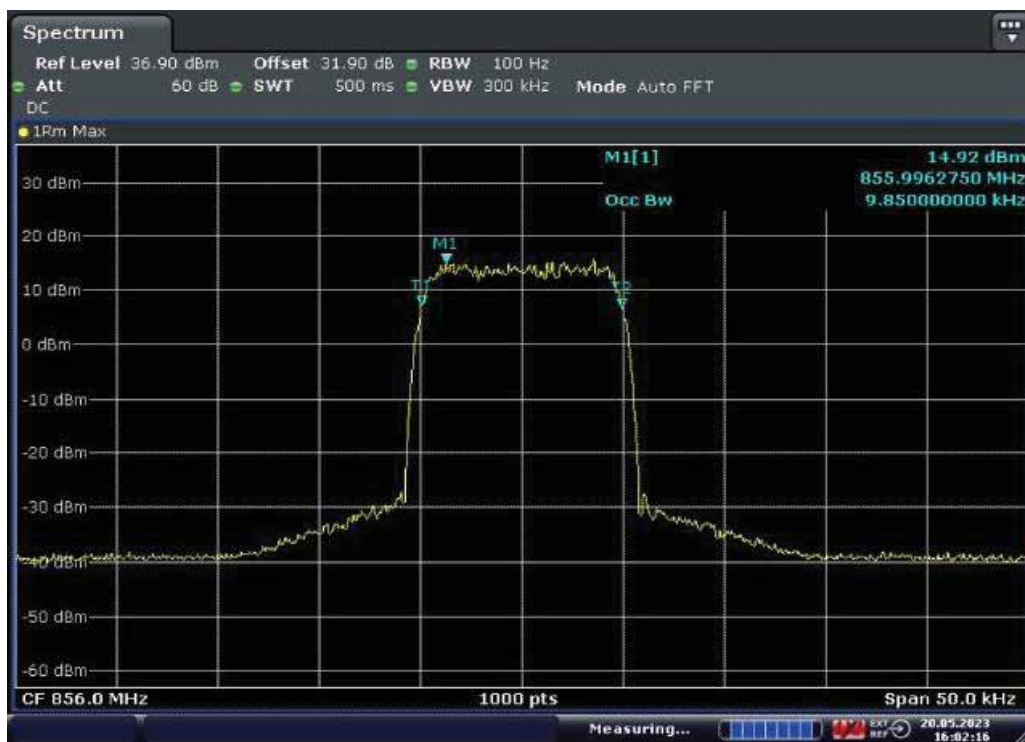
11.15.2.2.2.2. P25 Phase II(H-DQPSK)

11.15.2.2.2.2.1. Downlink



Date: 20.MAY.2023 16:01:54

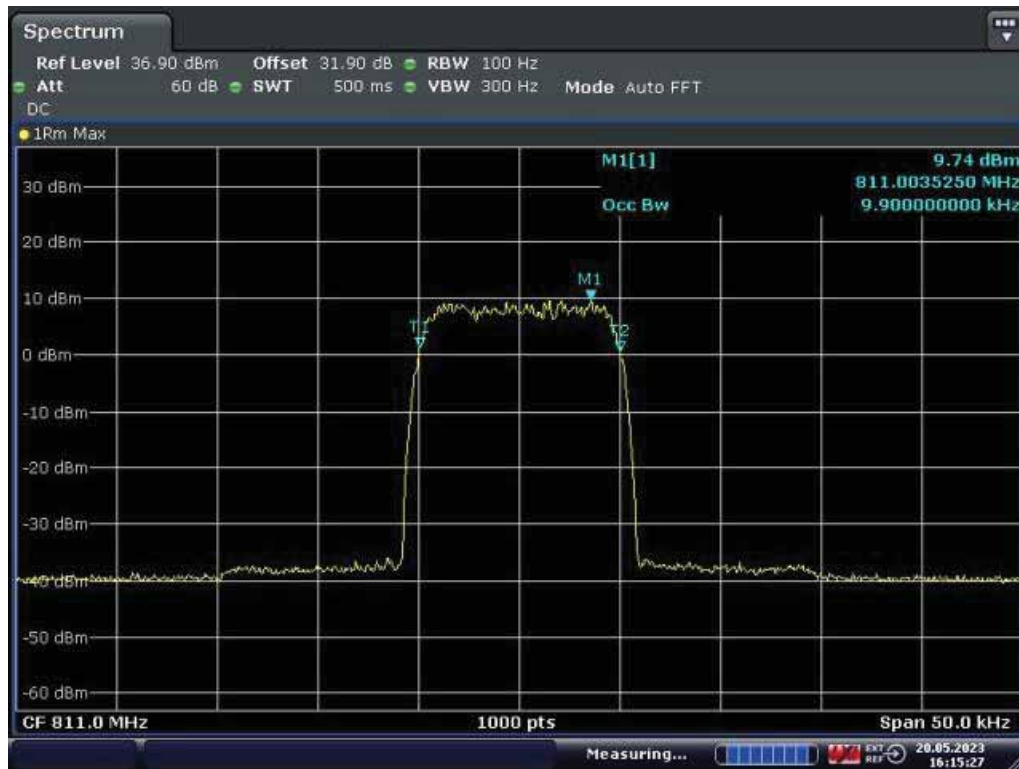
Middle Frequency: 856.0MHz, Output occupied BW(AGC)



Date: 20.MAY.2023 16:02:16

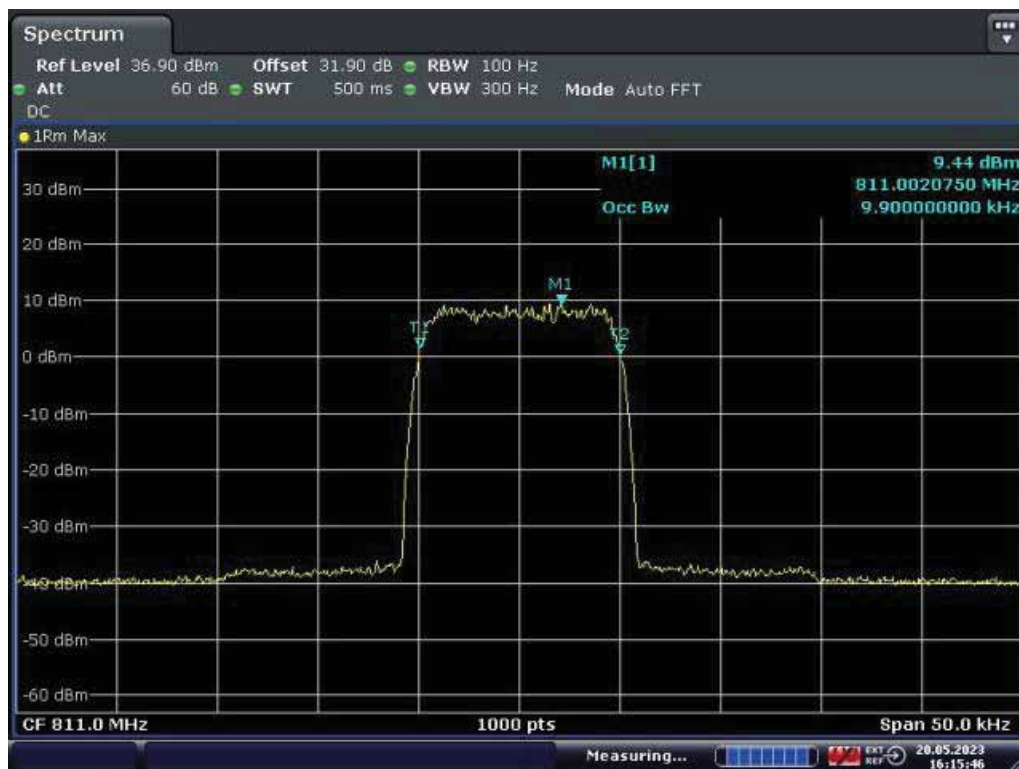
Middle Frequency: 856.0MHz, Output occupied BW (with the input signal amplitude set 3 dB above the AGC threshold)

11.15.2.2.2.2. Uplink



Date: 20.MAY.2023 16:15:27

Middle Frequency: 811.0MHz, Output occupied BW(AGC)

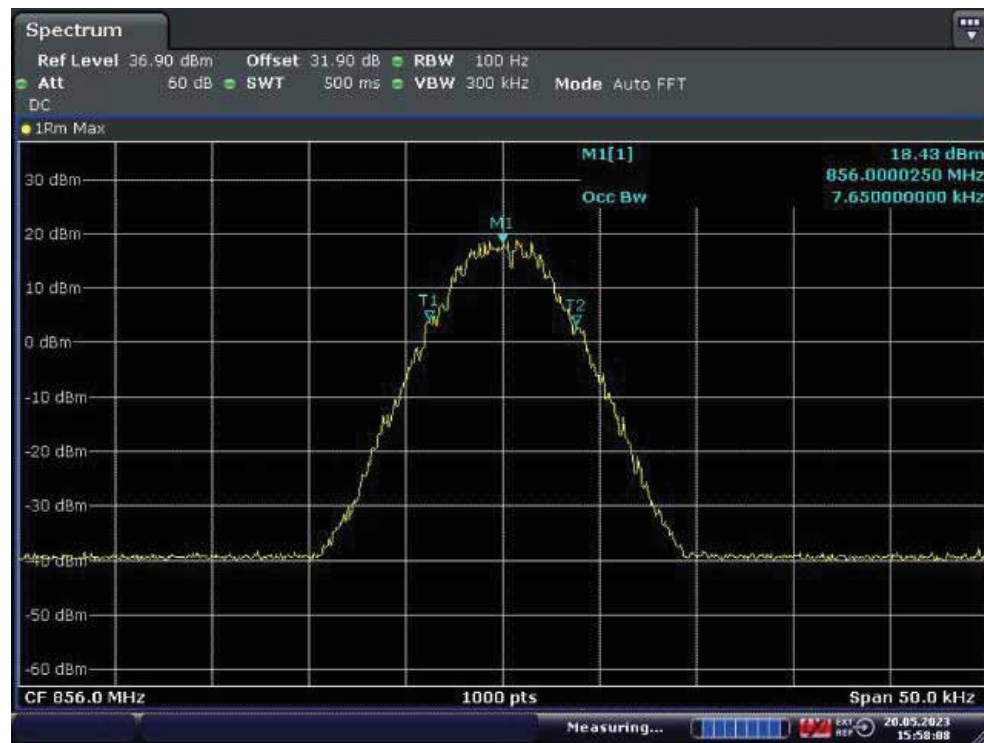


Date: 20.MAY.2023 16:15:46

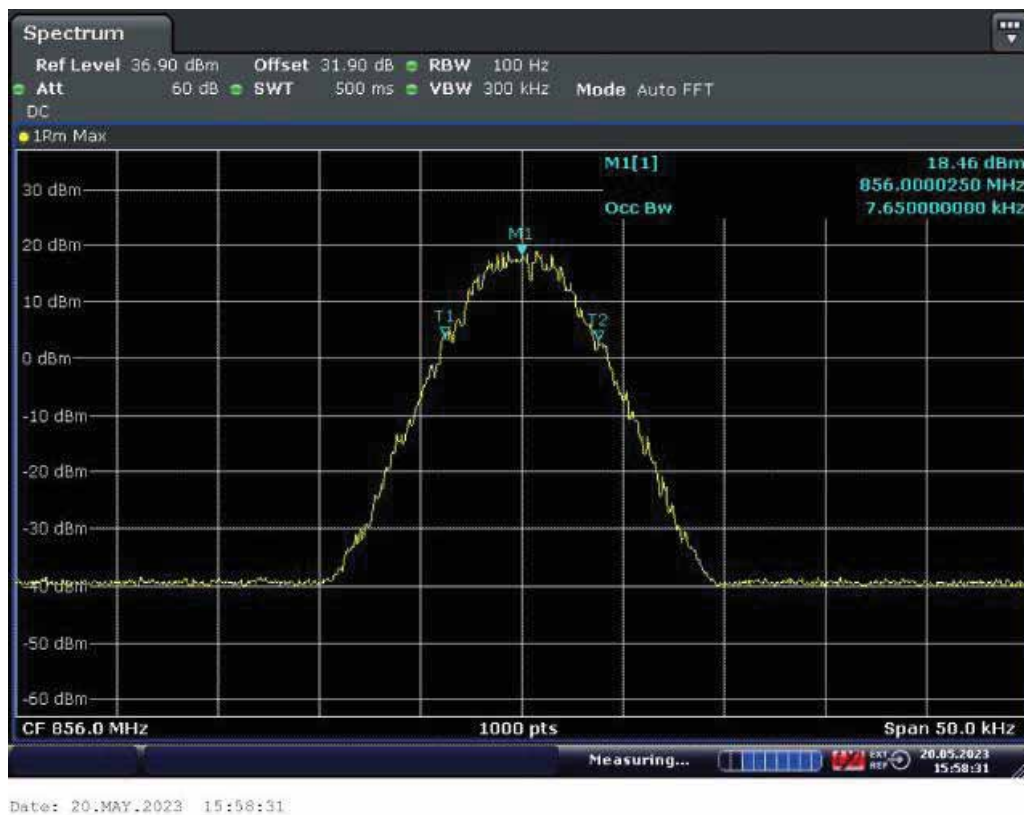
Middle Frequency: 811.0MHz, Output occupied BW (with the input signal amplitude set 3 dB above the AGC threshold)

11.15.2.2.3. DMR

11.15.2.2.3.1. Downlink

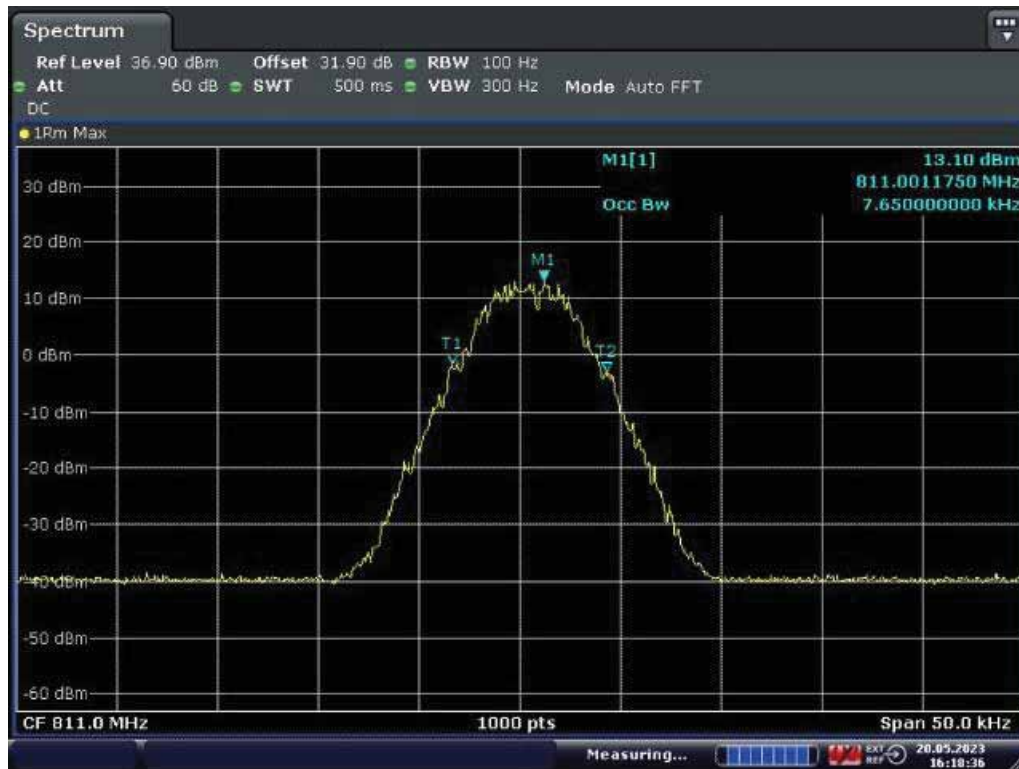


Middle Frequency: 856.0MHz, Output occupied BW(AGC)



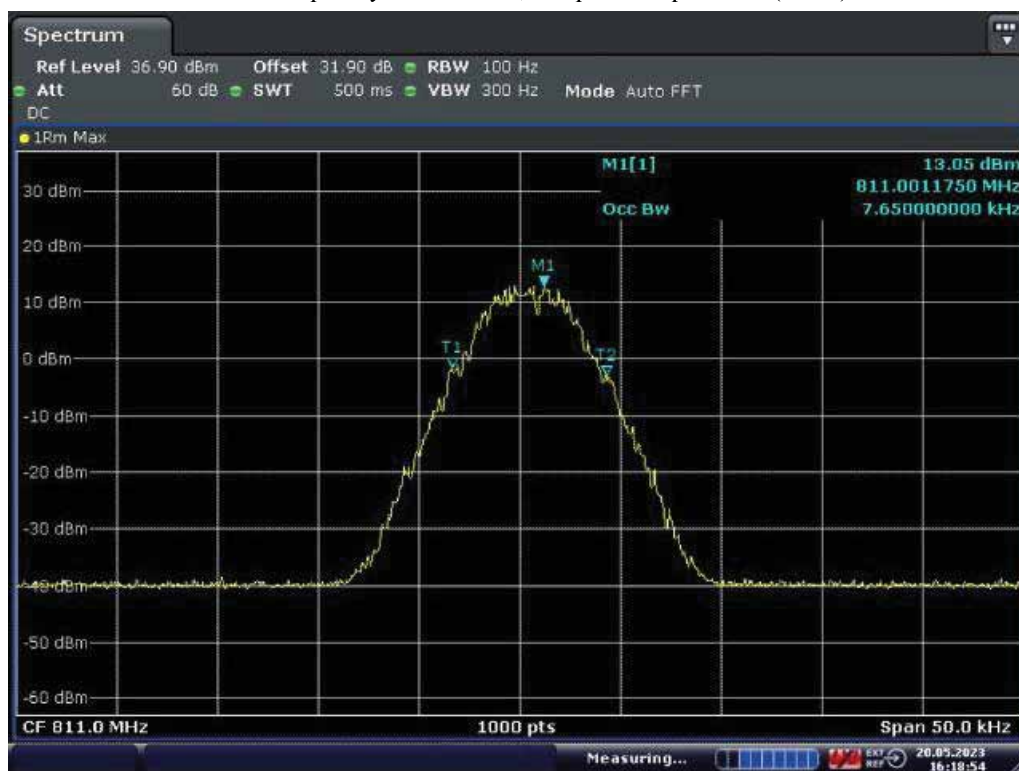
Middle Frequency: 856.0MHz, Output occupied BW (with the input signal amplitude set 3 dB above the AGC threshold)

11.15.2.2.2.3.2. Uplink



Date: 20.MAY.2023 16:18:36

Middle Frequency: 811.0MHz, Output occupied BW(AGC)



Date: 20.MAY.2023 16:18:54

Middle Frequency: 811.0MHz, Output occupied BW (with the input signal amplitude set 3 dB above the AGC threshold)

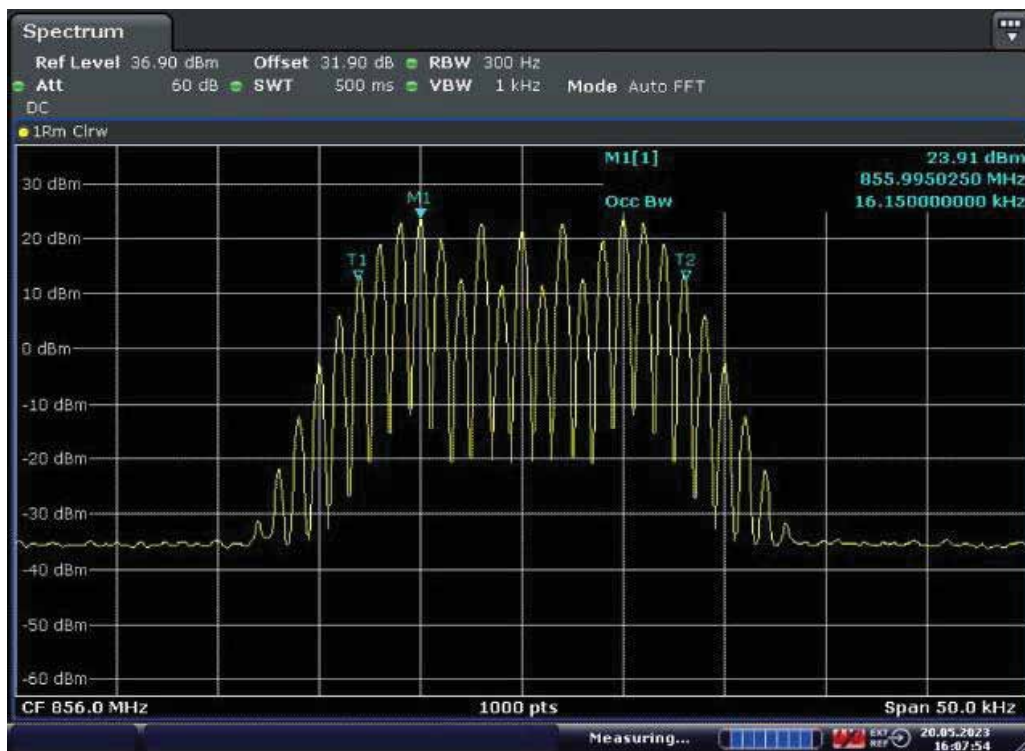
11.15.2.2.2.4. Analog FM

11.15.2.2.2.4.1. Downlink



Date: 20.MAY.2023 16:07:25

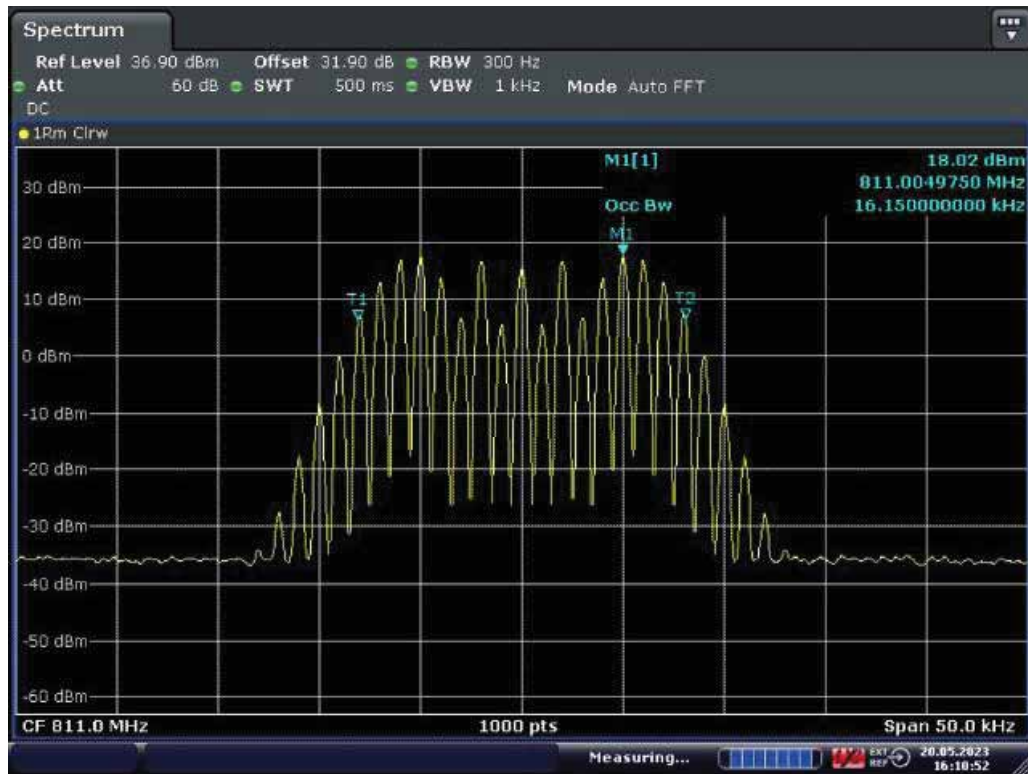
Middle Frequency: 856.0MHz, Output occupied BW(AGC)



Date: 20.MAY.2023 16:07:54

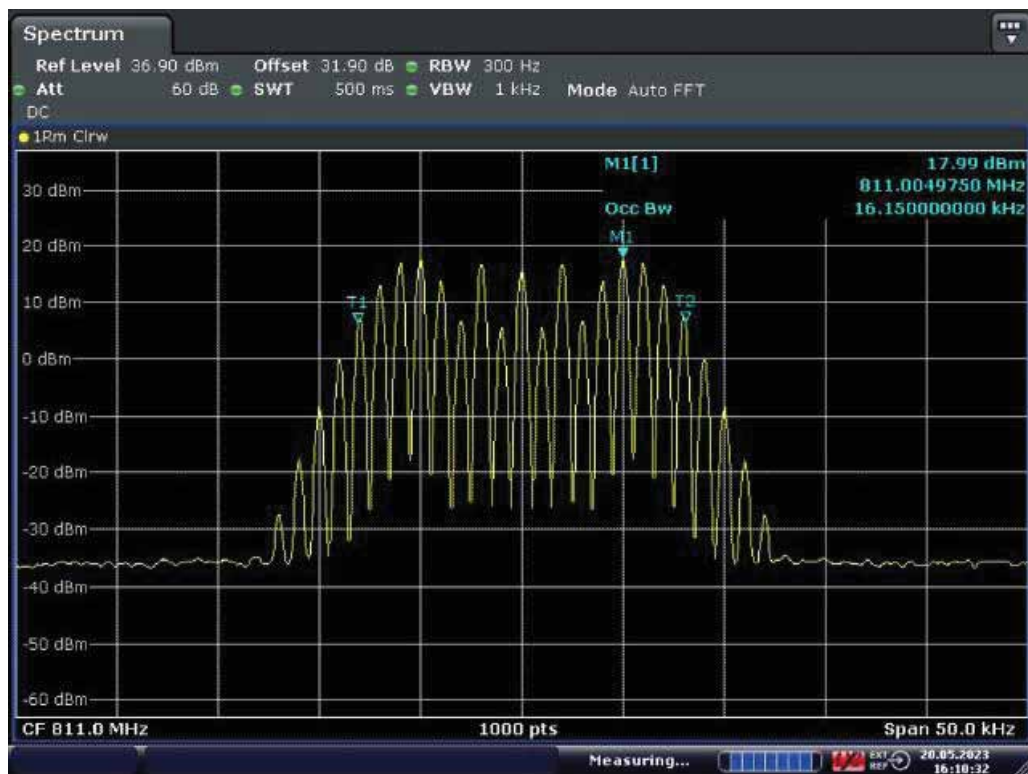
Middle Frequency: 856.0MHz, Output occupied BW (with the input signal amplitude set 3 dB above the AGC threshold)

11.15.2.2.4.2. Uplink



Date: 20.MAY.2023 16:10:52

Middle Frequency: 811.0MHz, Output occupied BW(AGC)

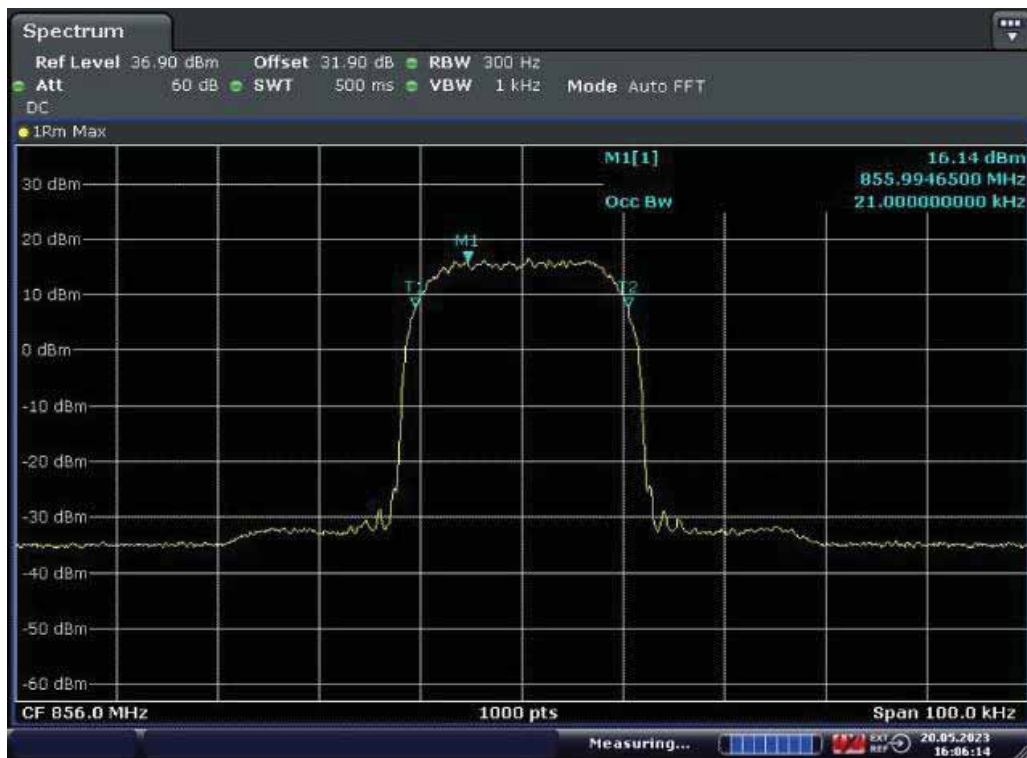


Date: 20.MAY.2023 16:10:32

Middle Frequency: 811.0MHz, Output occupied BW (with the input signal amplitude set 3 dB above the AGC threshold)

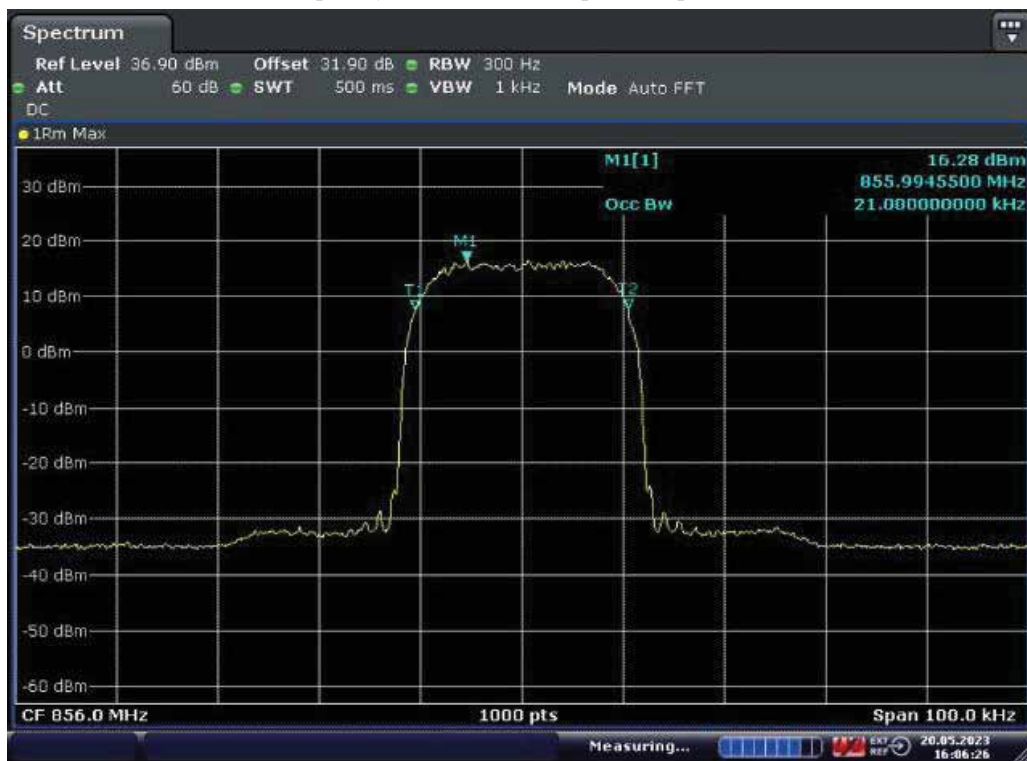
11.15.2.2.2.5. Tetra

11.15.2.2.2.5.1. Downlink



Date: 20.MAY.2023 16:06:13

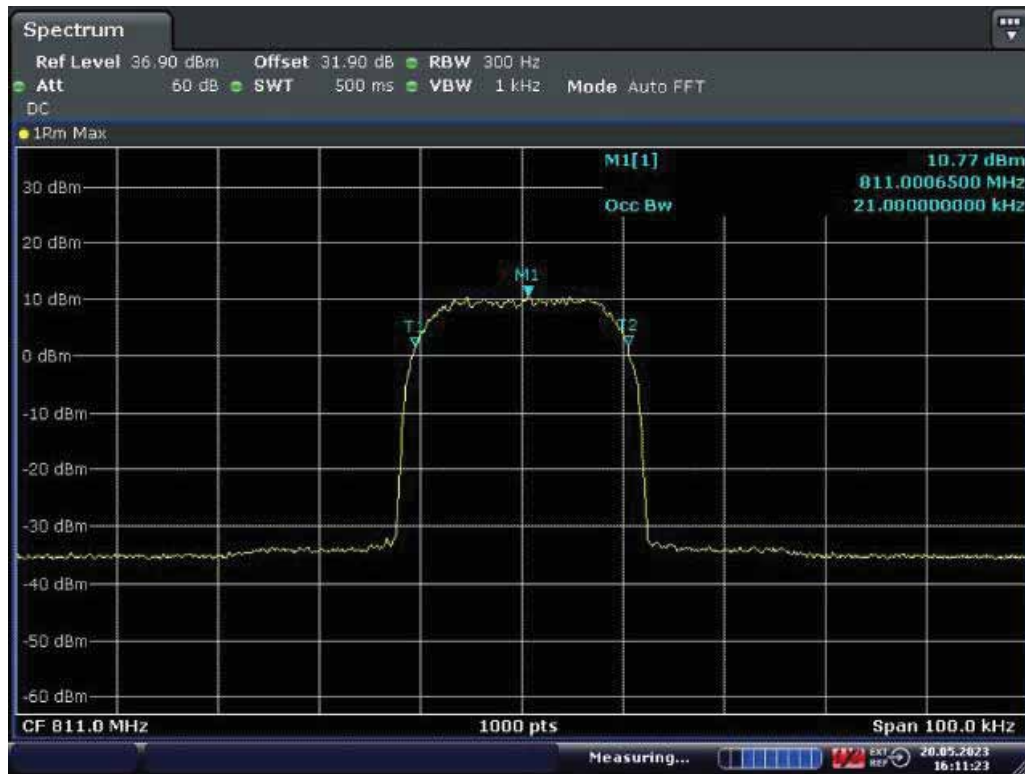
Middle Frequency: 856.0MHz, Output occupied BW(AGC)



Date: 20.MAY.2023 16:06:26

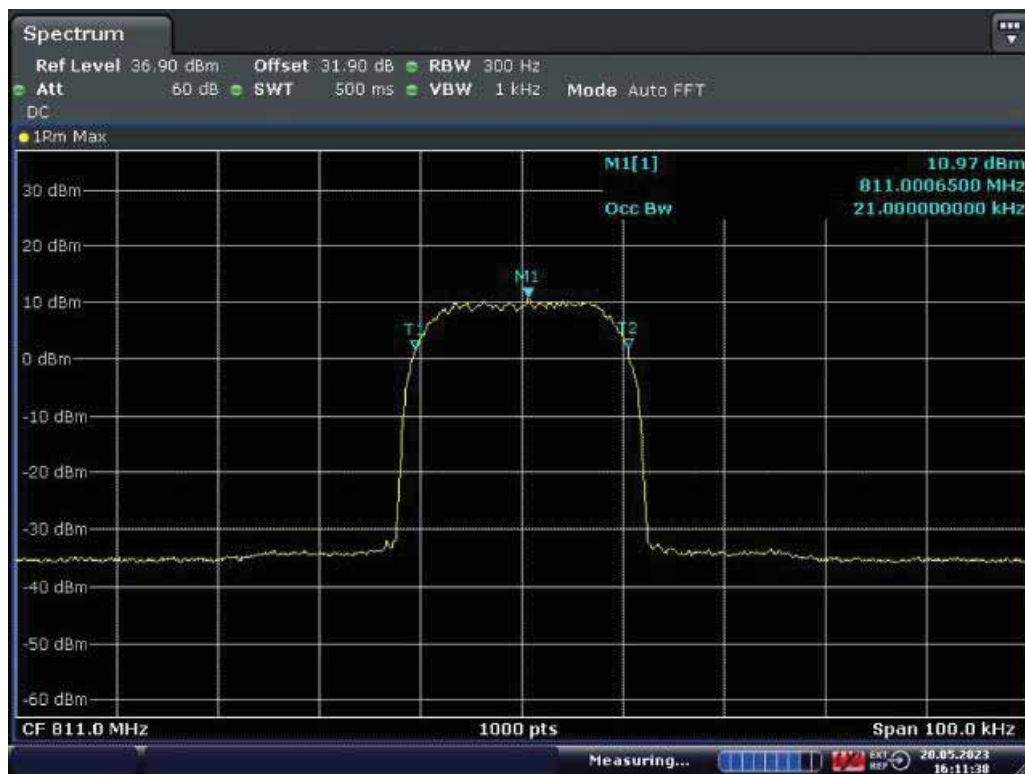
Middle Frequency: 856.0MHz, Output occupied BW (with the input signal amplitude set 3 dB above the AGC threshold)

11.15.2.2.5.2. Uplink



Date: 20.MAY.2023 16:11:23

Middle Frequency: 811.0MHz, Output occupied BW(AGC)



Date: 20.MAY.2023 16:11:38

Middle Frequency: 811.0MHz, Output occupied BW (with the input signal amplitude set 3 dB above the AGC threshold)

11.15.2.3. Input VS output Comparison

11.15.2.3.1. 700MHz Band

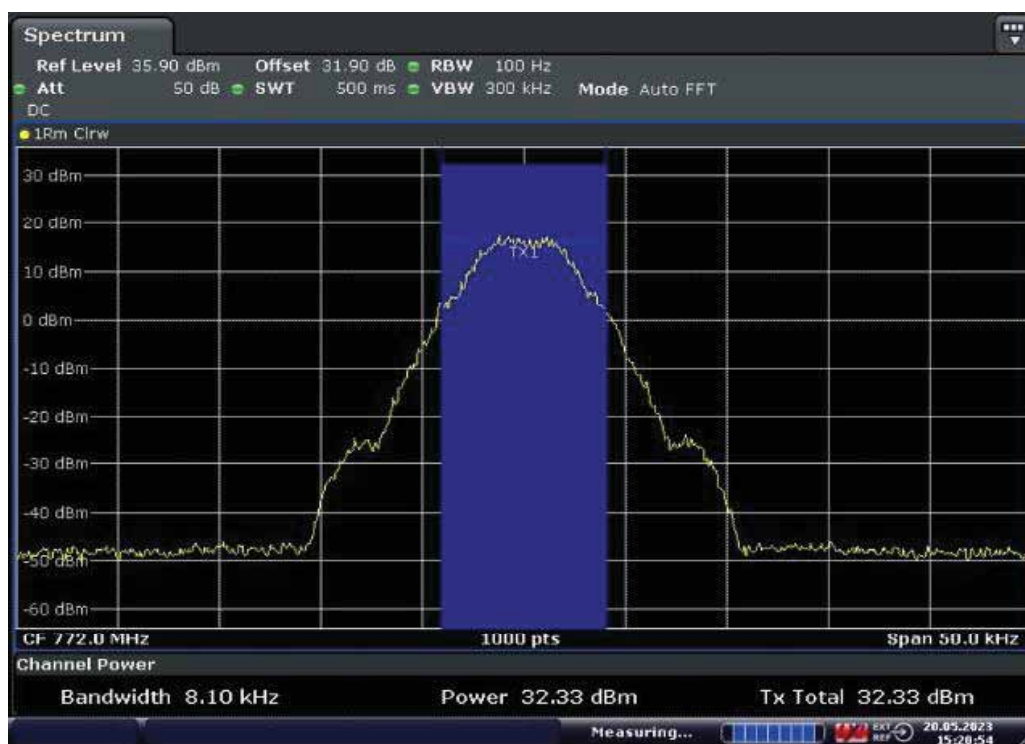
11.15.2.3.1.1. P25 Phase I(C4FM)

11.15.2.3.1.1.1. Downlink



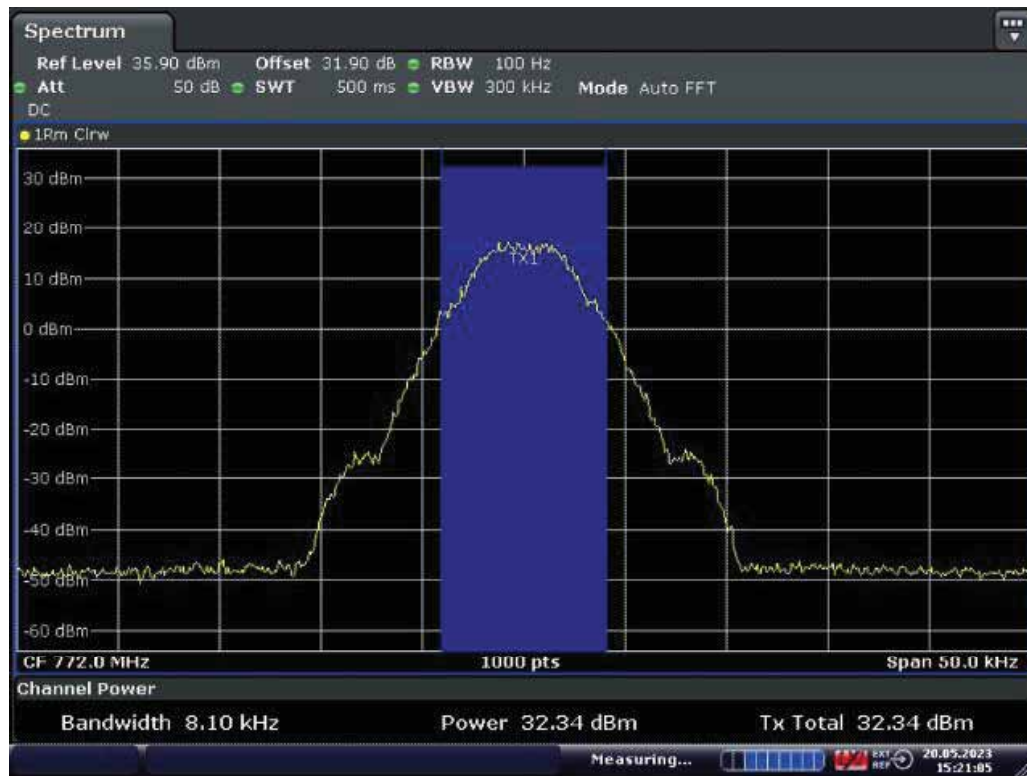
Date: 17.MAY.2023 15:05:11

Middle Frequency: 772.0MHz, Input occupied BW



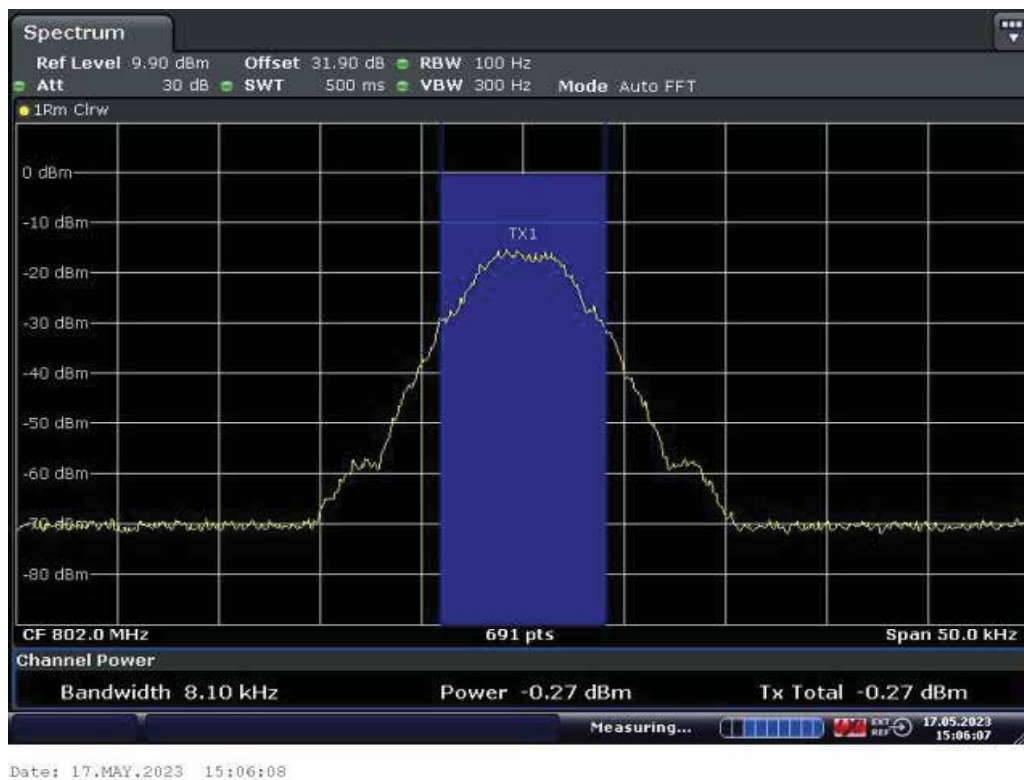
Date: 20.MAY.2023 15:20:54

Middle Frequency: 772.0MHz, Output occupied BW(AGC)

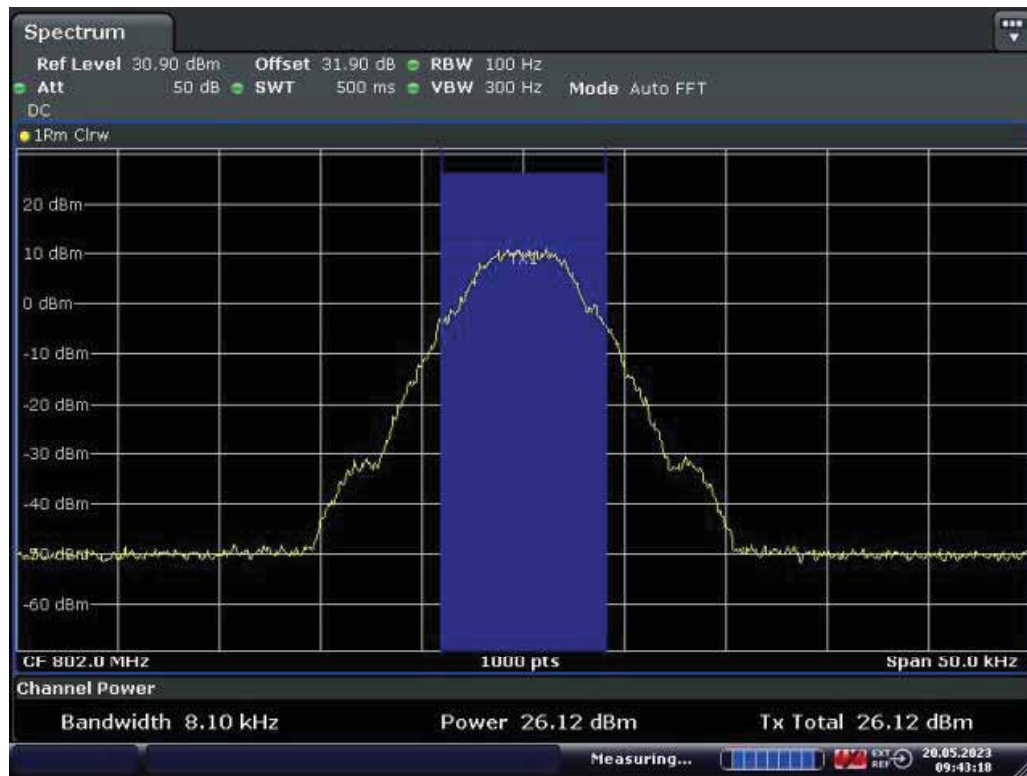


Middle Frequency: 772.0MHz, Output occupied BW (with the input signal amplitude set 3 dB above the AGC threshold)

11.15.2.3.1.1.2. Uplink

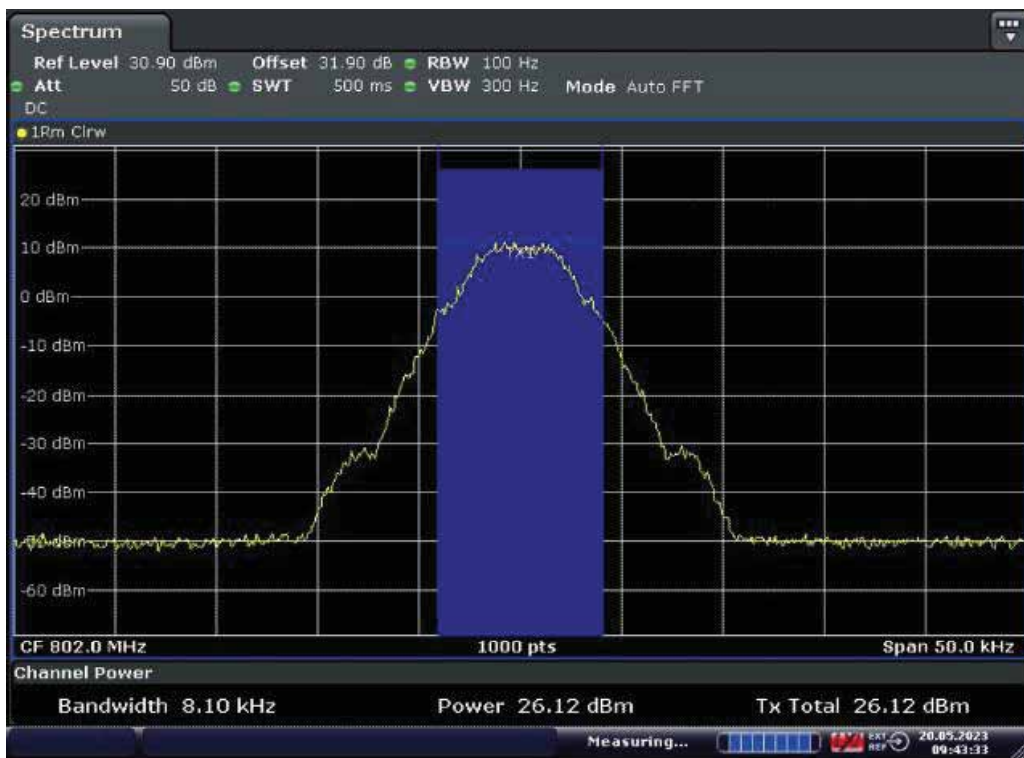


Middle Frequency: 802.0MHz MHz, Input occupied BW



Date: 20.MAY.2023 09:43:18

Middle Frequency: 802.0MHz, Output occupied BW(AGC)

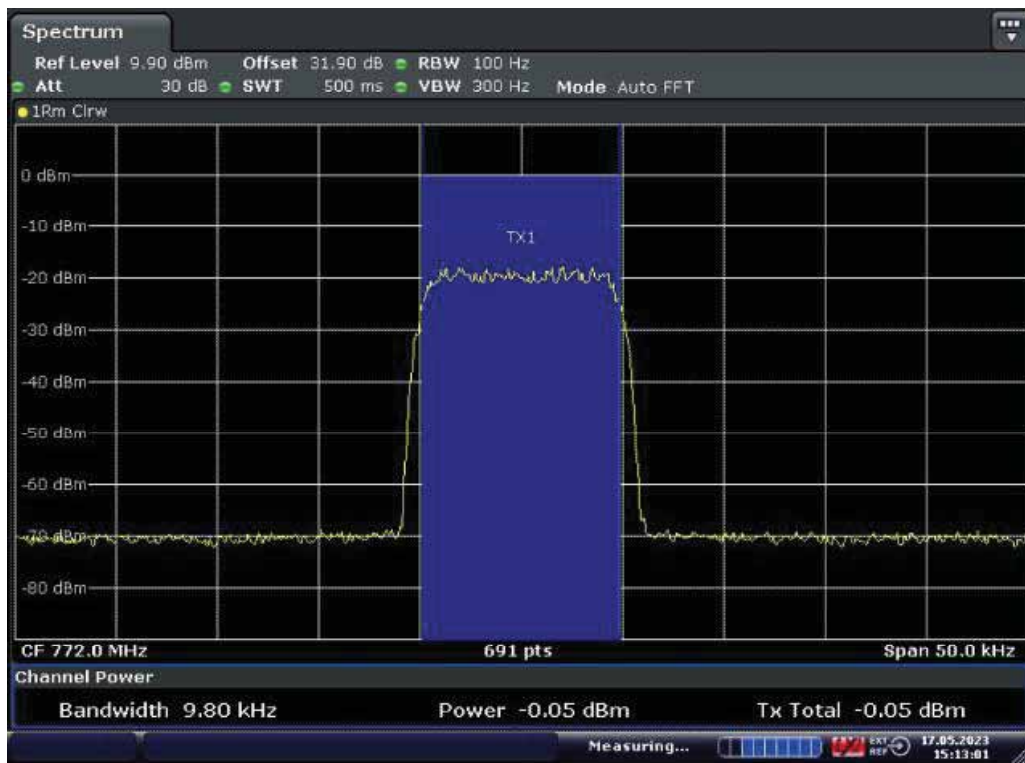


Date: 20.MAY.2023 09:43:33

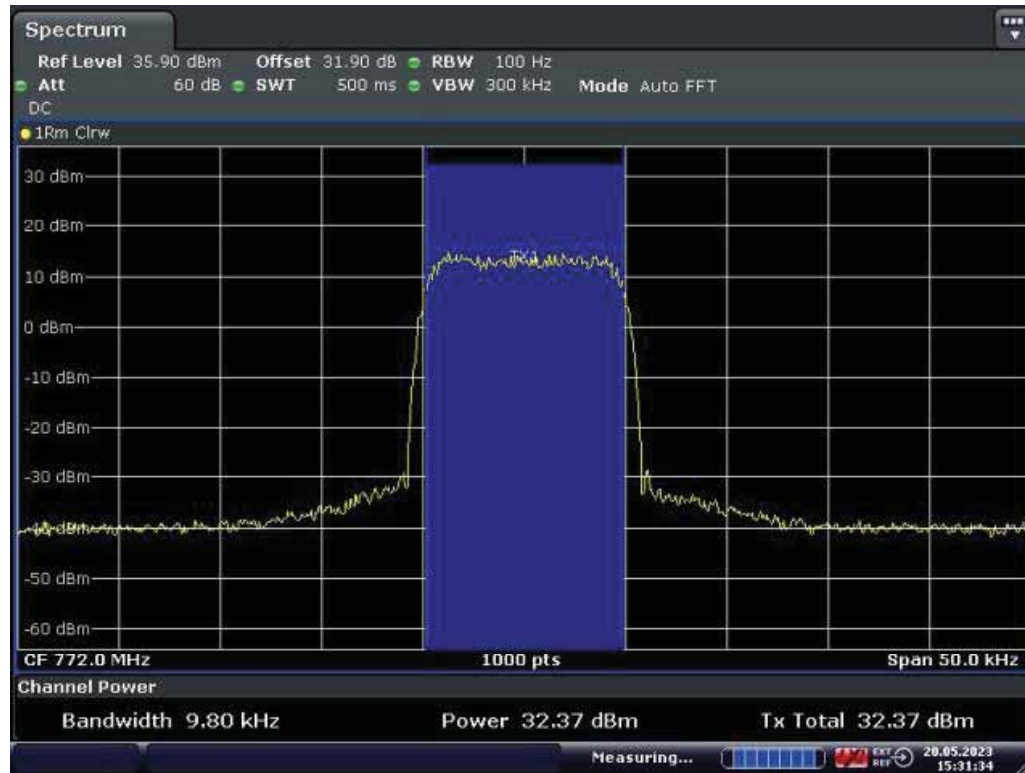
Middle Frequency: 802.0MHz, Output occupied BW (with the input signal amplitude set 3 dB above the AGC threshold)

11.15.2.3.1.2. P25 Phase II(H-DQPSK)

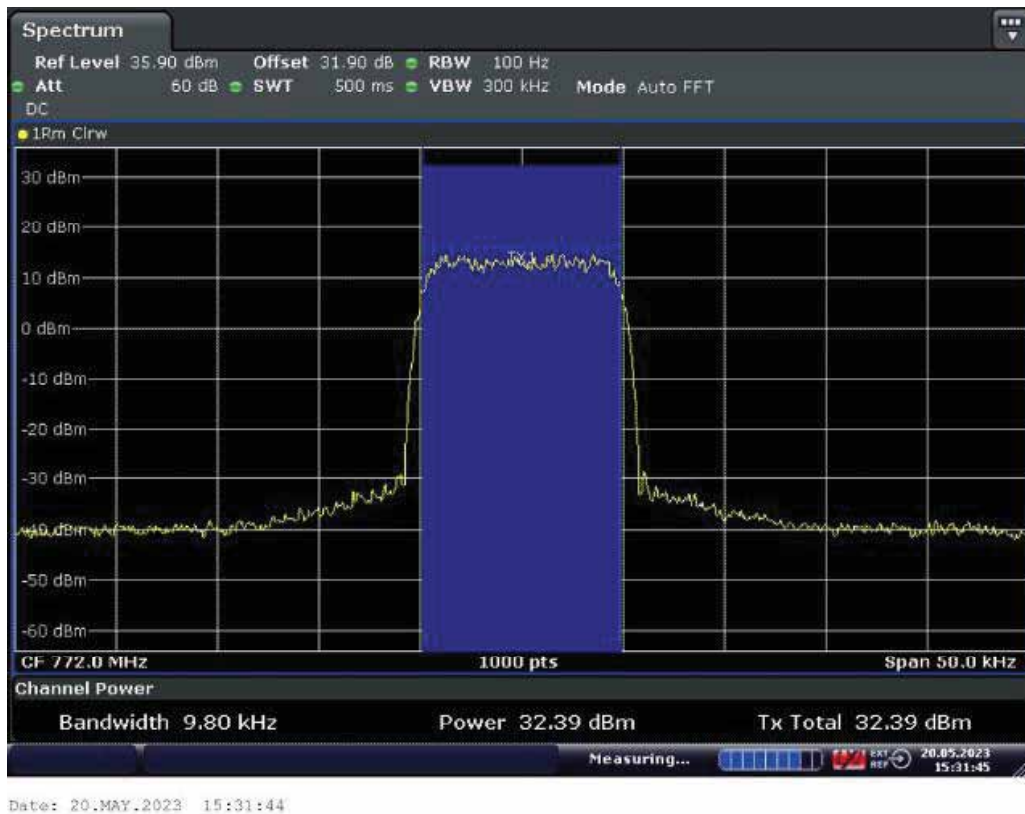
11.15.2.3.1.2.1. Downlink



Middle Frequency: 772.0MHz, Input occupied BW

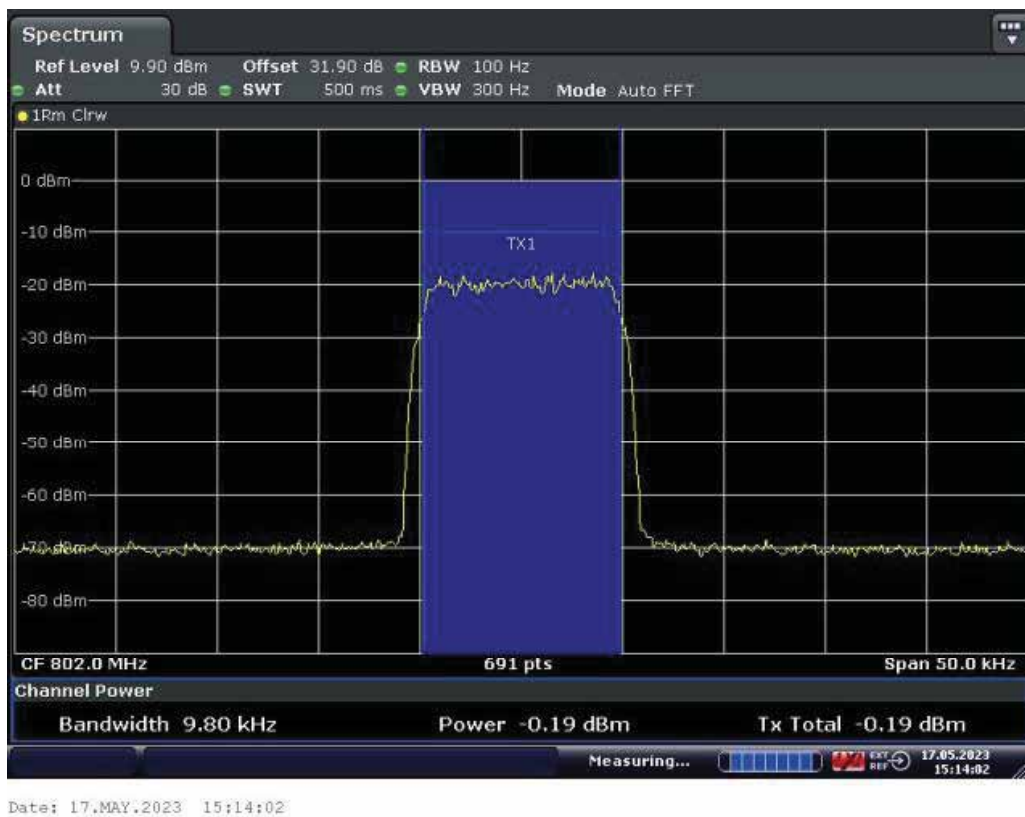


Middle Frequency: 772.0MHz, Output occupied BW(AGC)

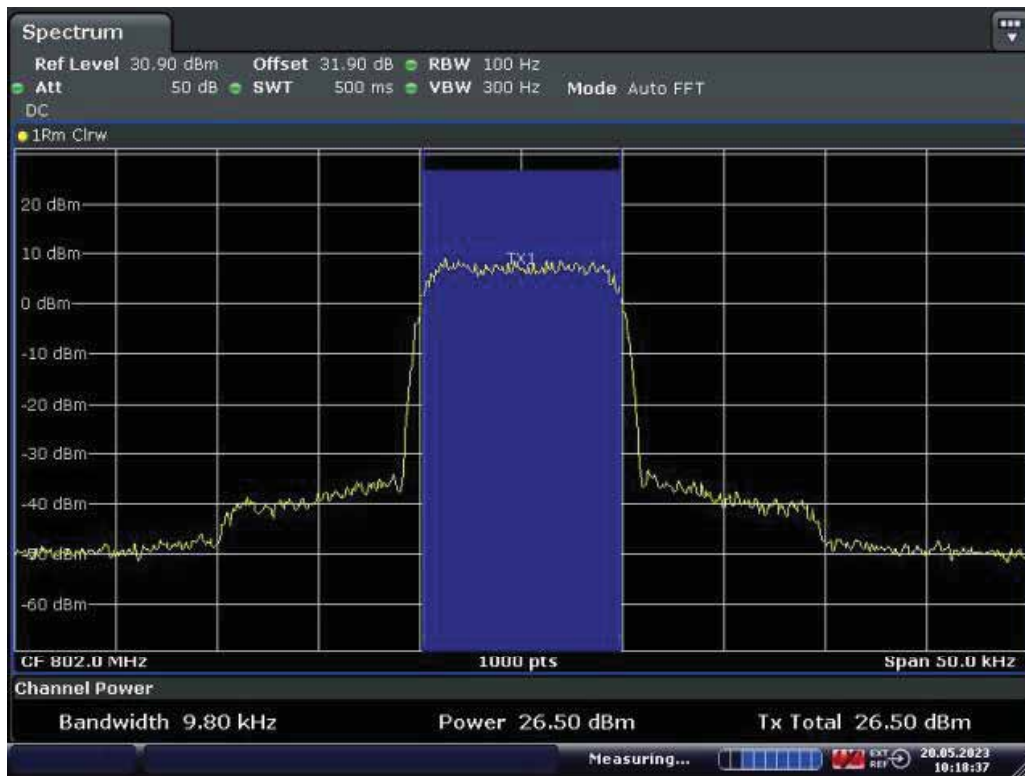


Middle Frequency: 772.0MHz, Output occupied BW (with the input signal amplitude set 3 dB above the AGC threshold)

11.15.2.3.1.2.2. Uplink

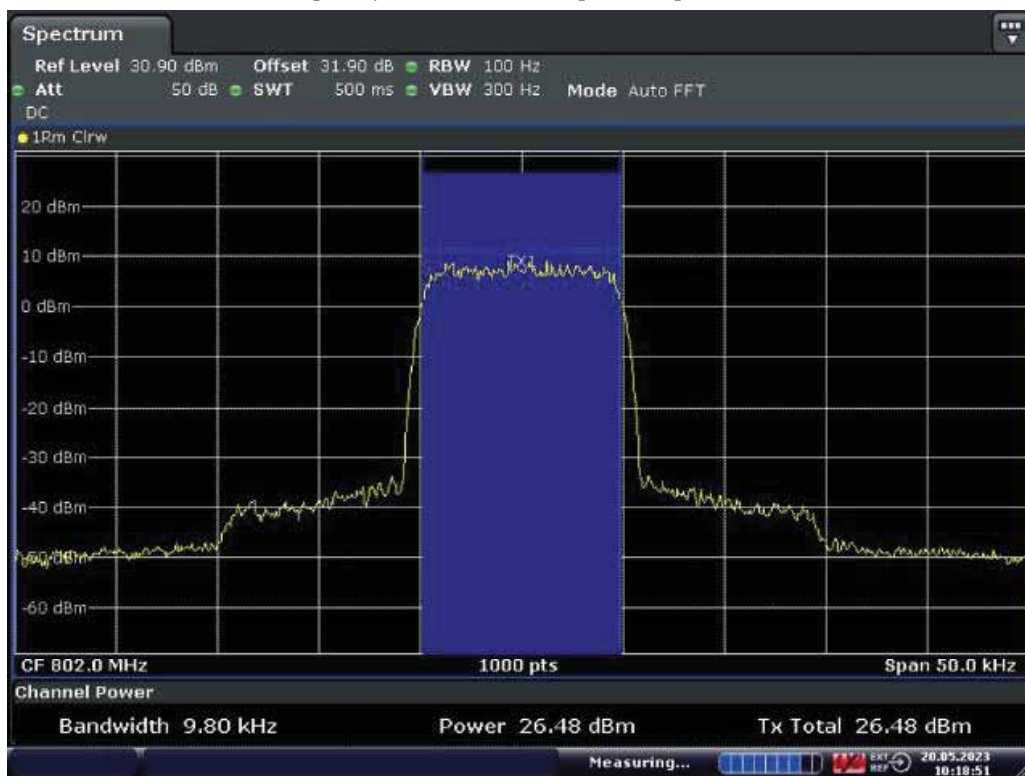


Middle Frequency: 802.0MHz MHz, Input occupied BW



Date: 20.MAY.2023 10:18:37

Middle Frequency: 802.0MHz, Output occupied BW(AGC)

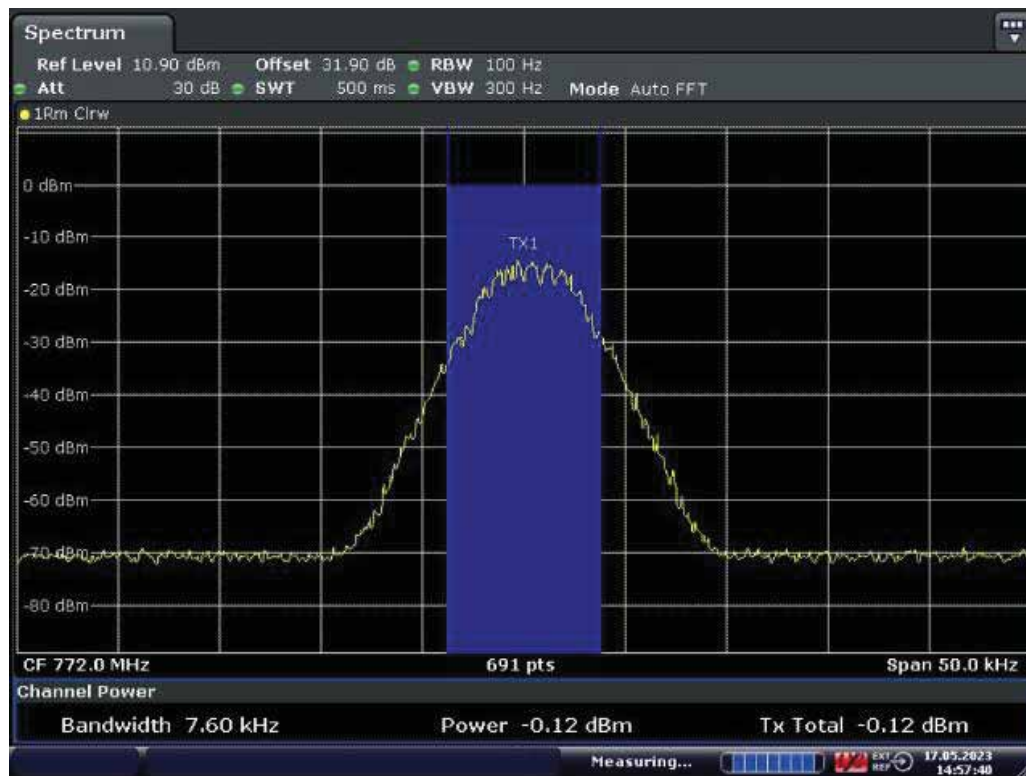


Date: 20.MAY.2023 10:18:51

Middle Frequency: 802.0MHz, Output occupied BW (with the input signal amplitude set 3 dB above the AGC threshold)

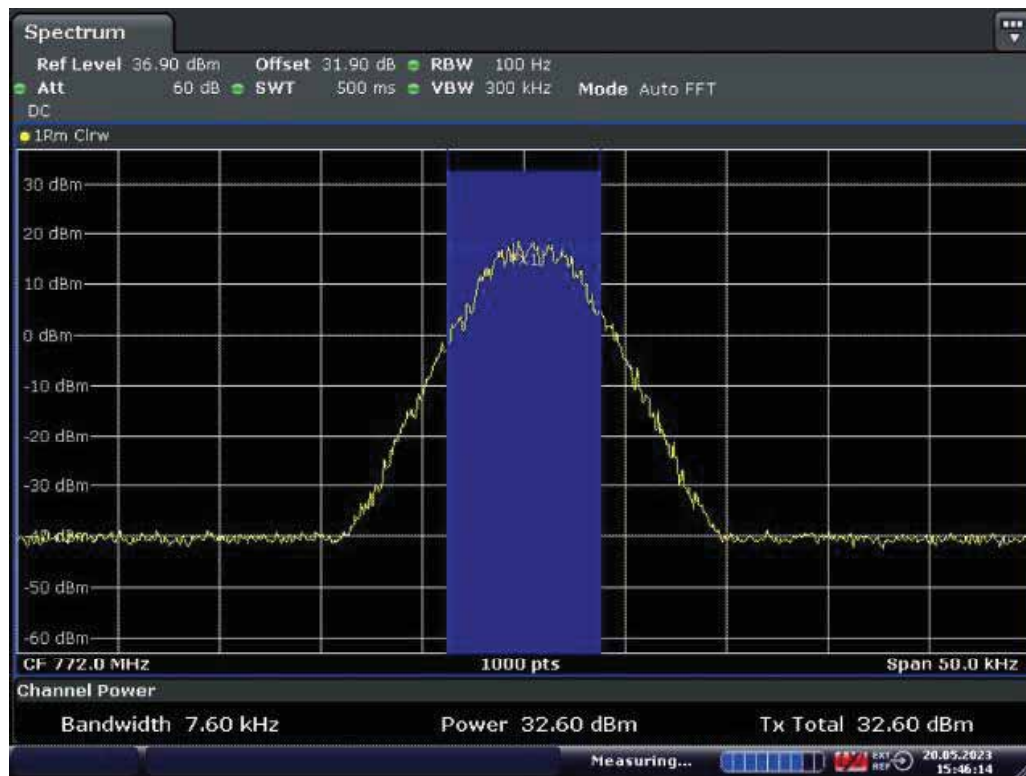
11.15.2.3.1.3. DMR

11.15.2.3.1.3.1. Downlink



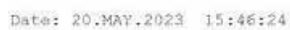
Date: 17.MAY.2023 14:57:40

Middle Frequency: 772.0MHz, Input occupied BW



Date: 20.MAY.2023 15:46:14

Middle Frequency: 772.0MHz, Output occupied BW(AGC)



Middle Frequency: 772.0MHz, Output occupied BW (with the input signal amplitude set 3 dB above the AGC threshold)

Spectrum

Ref Level 10.90 dBm Offset 31.90 dB RBW 100 Hz
 Att 30 dB SWT 500 ms VBW 300 Hz Mode Auto FFT

1Rm Clrw

0 dBm
 -10 dBm
 -20 dBm
 -30 dBm
 -40 dBm
 -50 dBm
 -60 dBm
 -70 dBm
 -80 dBm

TX1

691 pts

Span 50.0 kHz

CF 802.0 MHz

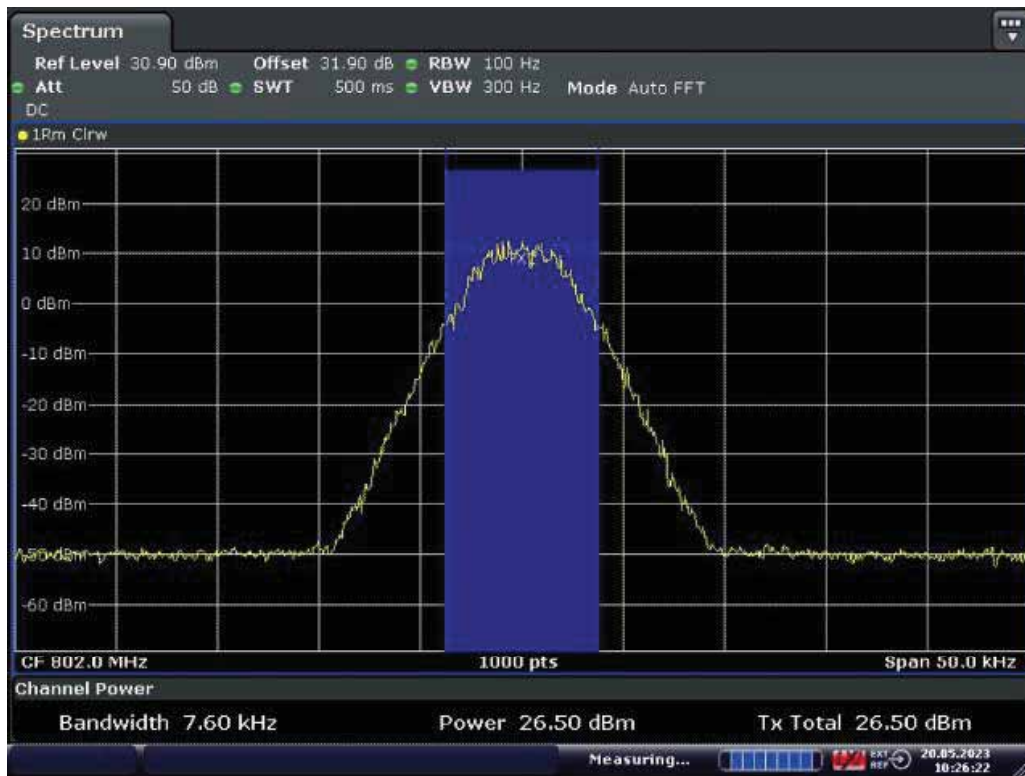
Channel Power

Bandwidth 7.60 kHz Power -0.16 dBm Tx Total -0.16 dBm

Measuring... 17.05.2023 14:58:44

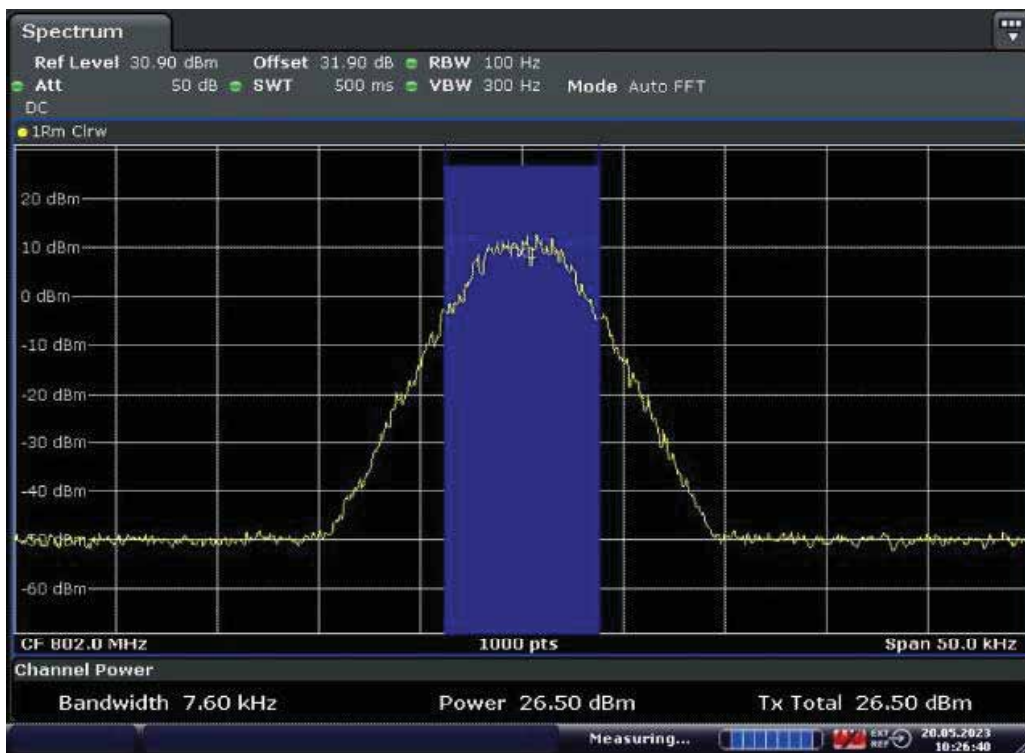
Date: 17.MAY.2023 14:58:45

Middle Frequency: 802.0MHz MHz, Input occupied BW



Date: 20.MAY.2023 10:26:22

Middle Frequency: 802.0MHz, Output occupied BW(AGC)

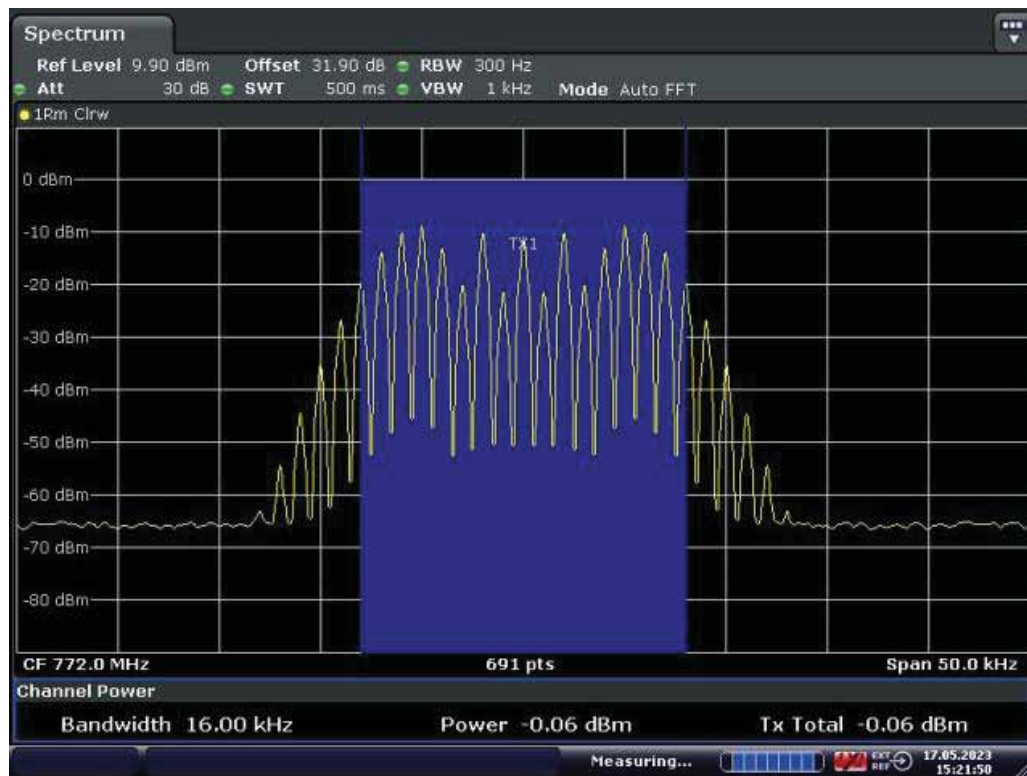


Date: 20.MAY.2023 10:26:40

Middle Frequency: 802.0MHz, Output occupied BW (with the input signal amplitude set 3 dB above the AGC threshold)

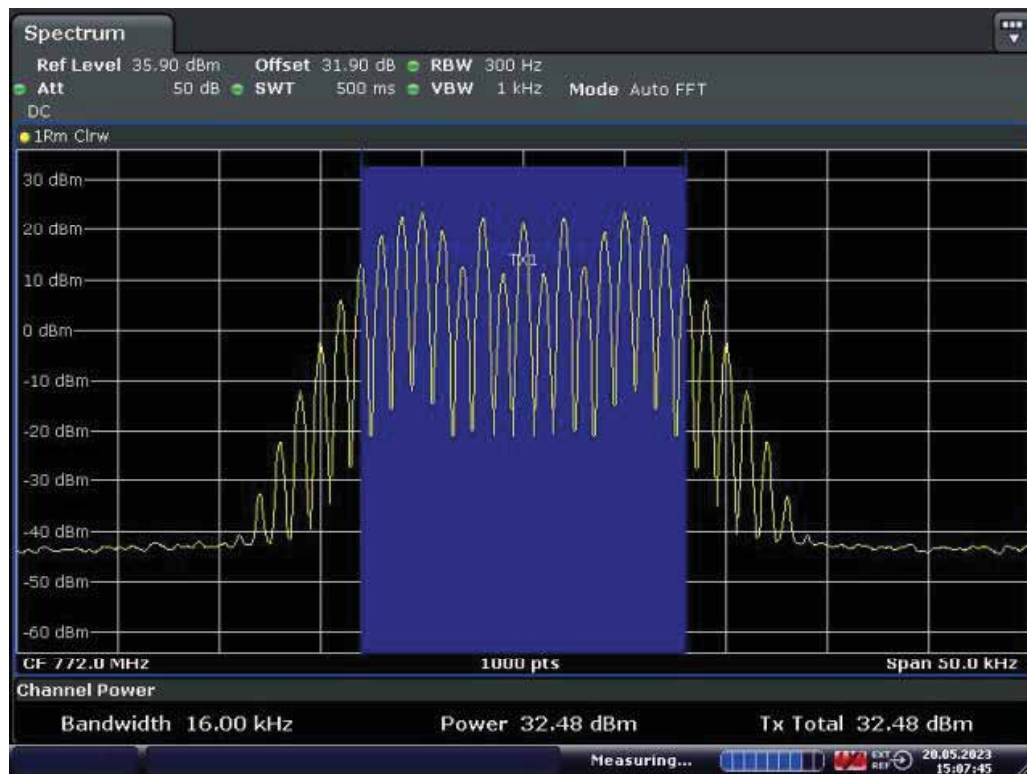
11.15.2.3.1.4. Analog FM

11.15.2.3.1.4.1. Downlink



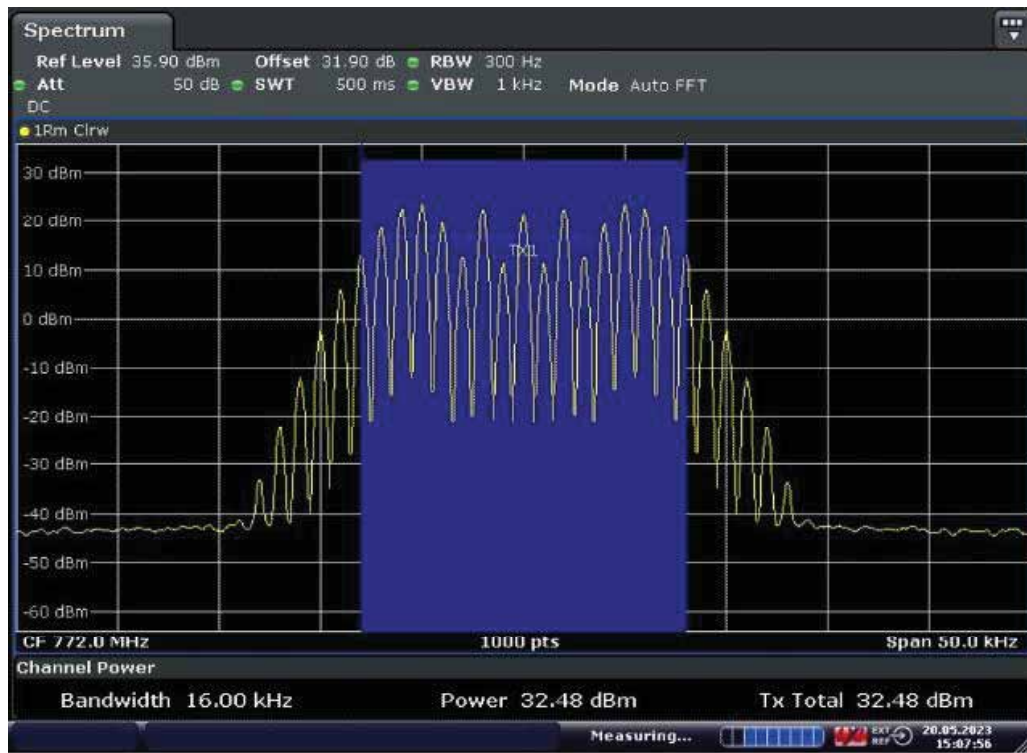
Date: 17.MAY.2023 15:21:51

Middle Frequency: 772.0MHz, Input occupied BW



Date: 20.MAY.2023 15:07:45

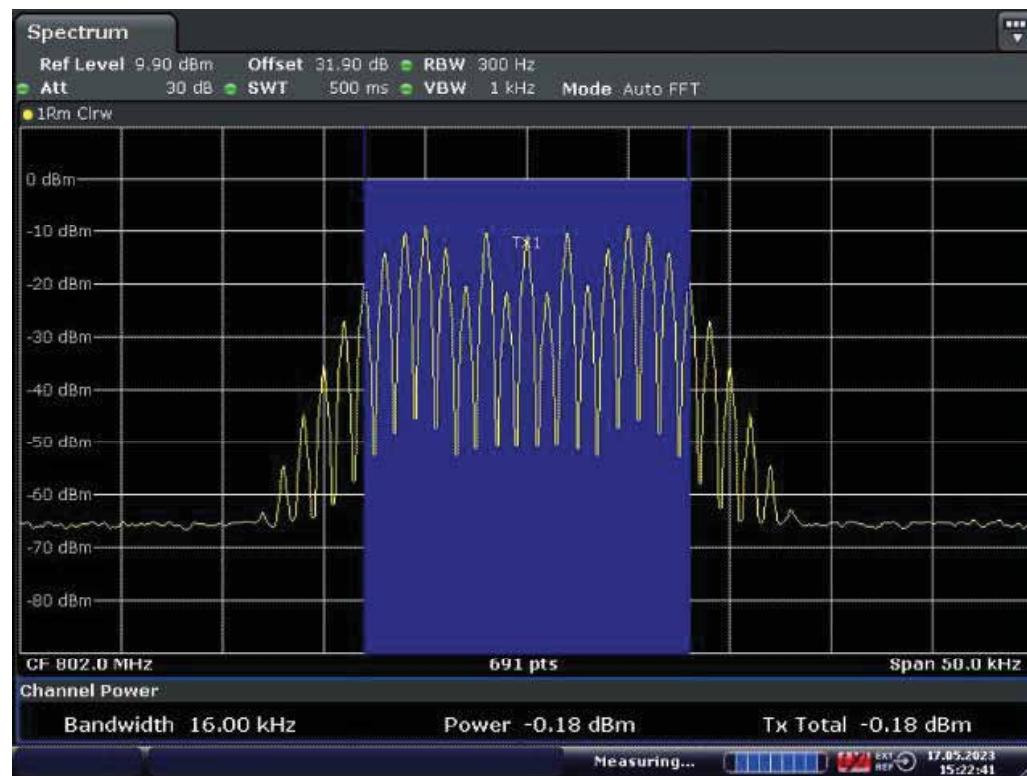
Middle Frequency: 772.0MHz, Output occupied BW(AGC)



Date: 20.MAY.2023 15:07:55

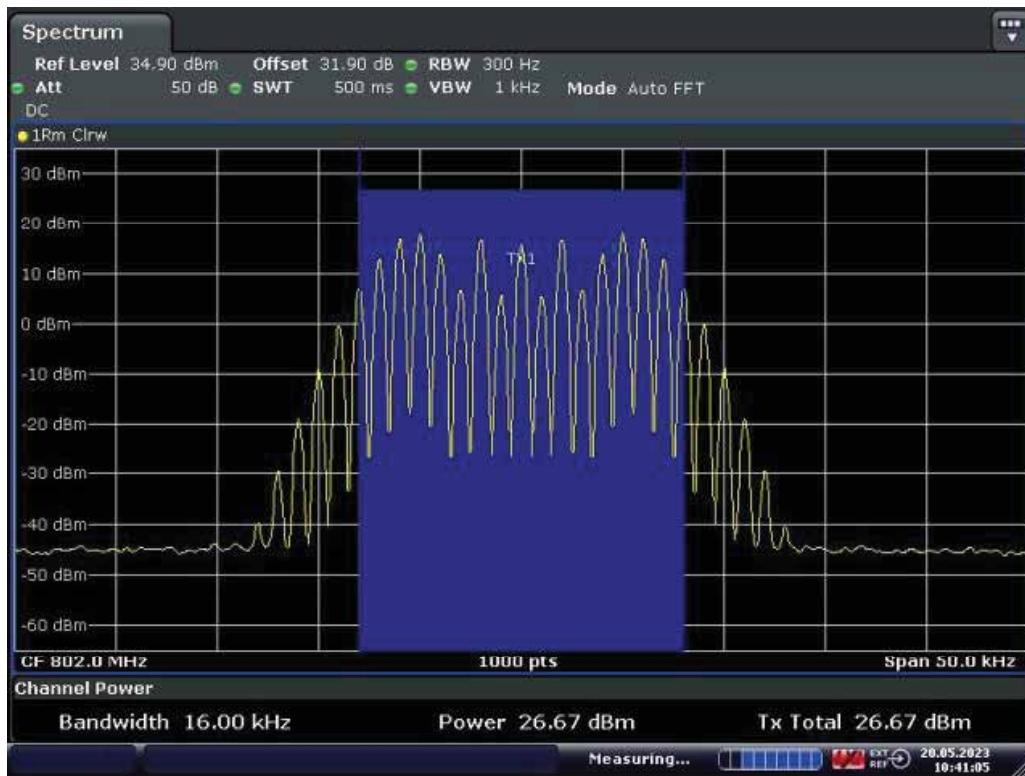
Middle Frequency: 772.0MHz, Output occupied BW (with the input signal amplitude set 3 dB above the AGC threshold)

11.15.2.3.1.4.2. Uplink



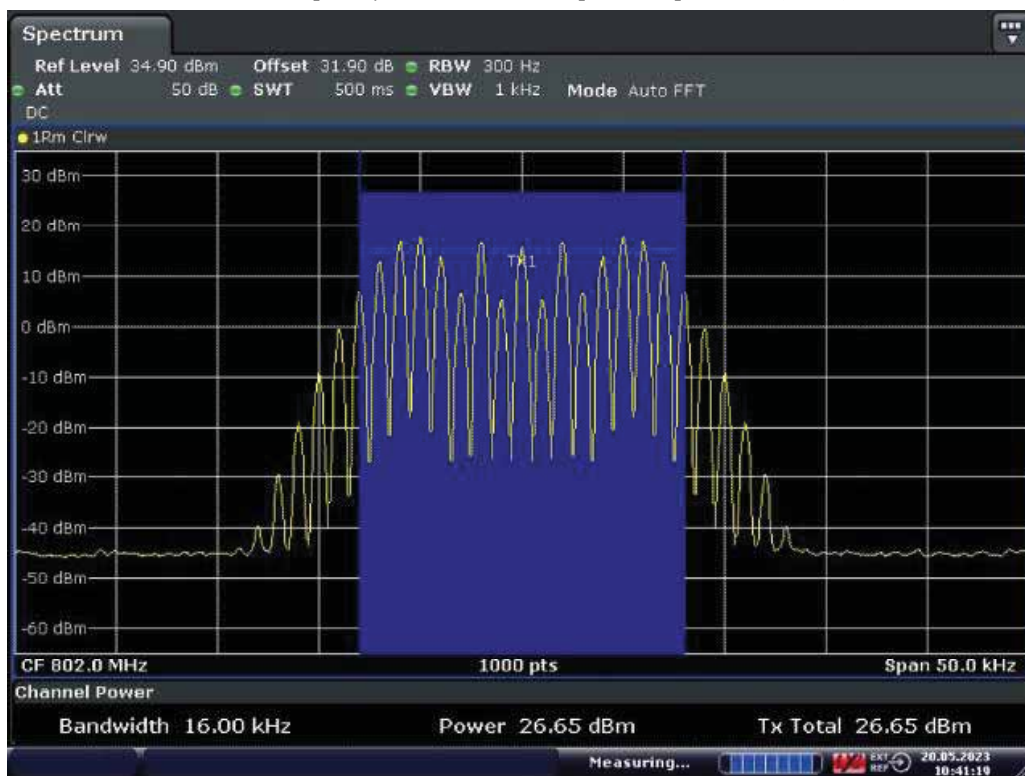
Date: 17.MAY.2023 15:22:41

Middle Frequency: 802.0MHz MHz, Input occupied BW



Date: 20.MAY.2023 10:41:06

Middle Frequency: 802.0MHz, Output occupied BW(AGC)

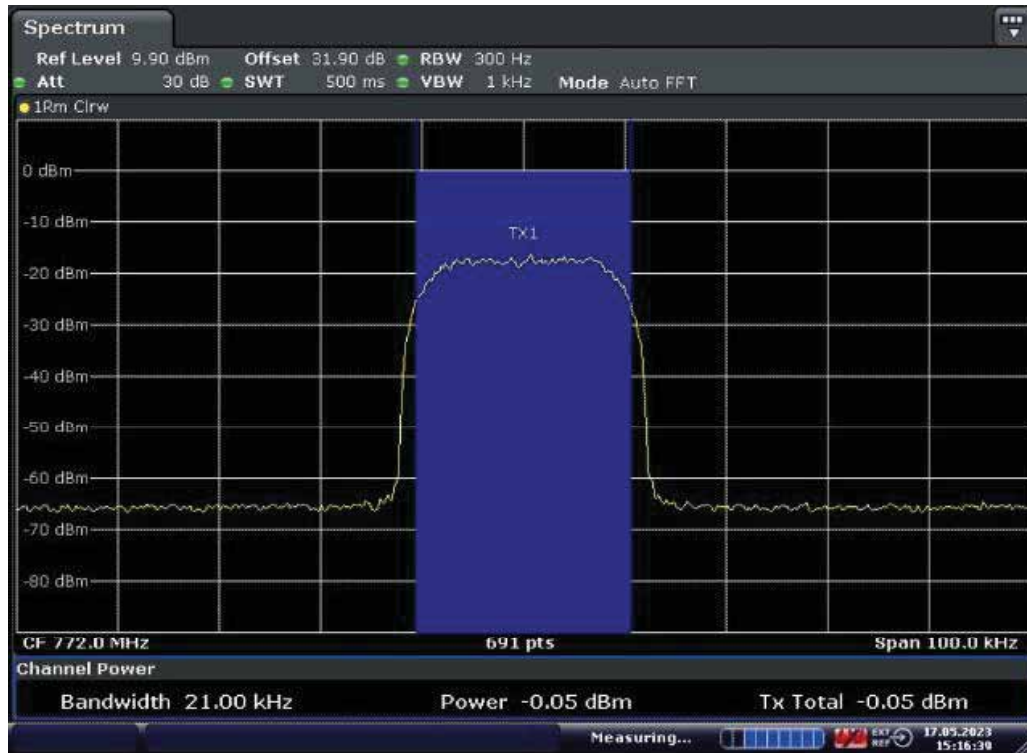


Date: 20.MAY.2023 10:41:20

Middle Frequency: 802.0MHz, Output occupied BW (with the input signal amplitude set 3 dB above the AGC threshold)

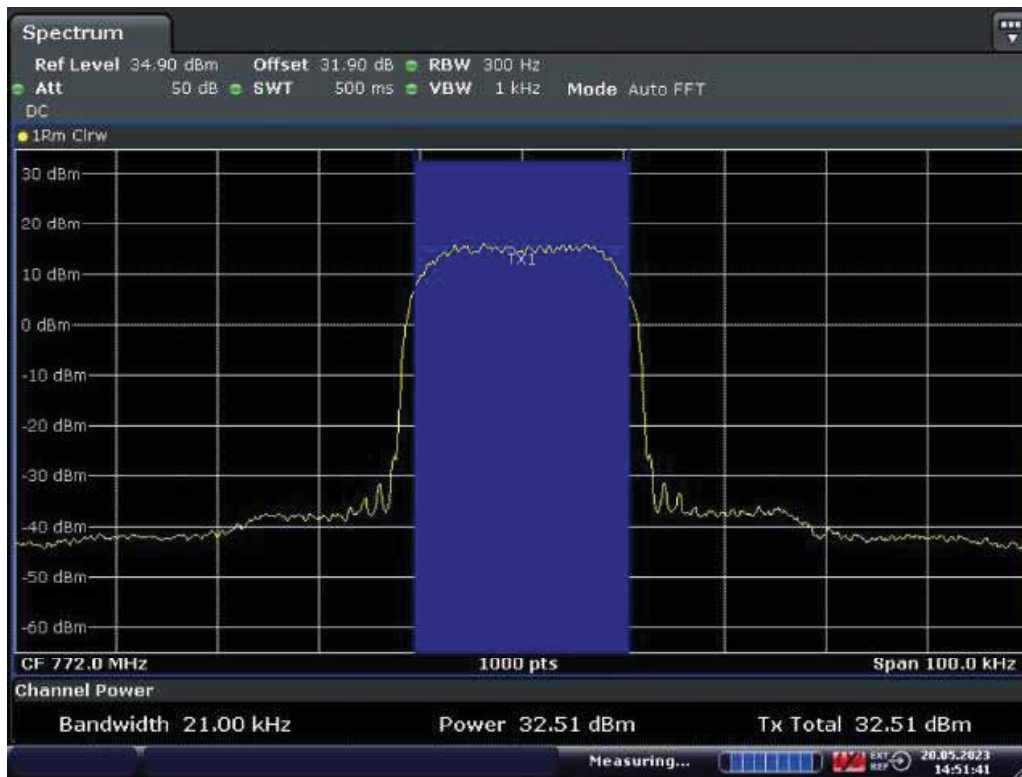
11.15.2.3.1.5. Tetra

11.15.2.3.1.5.1. Downlink



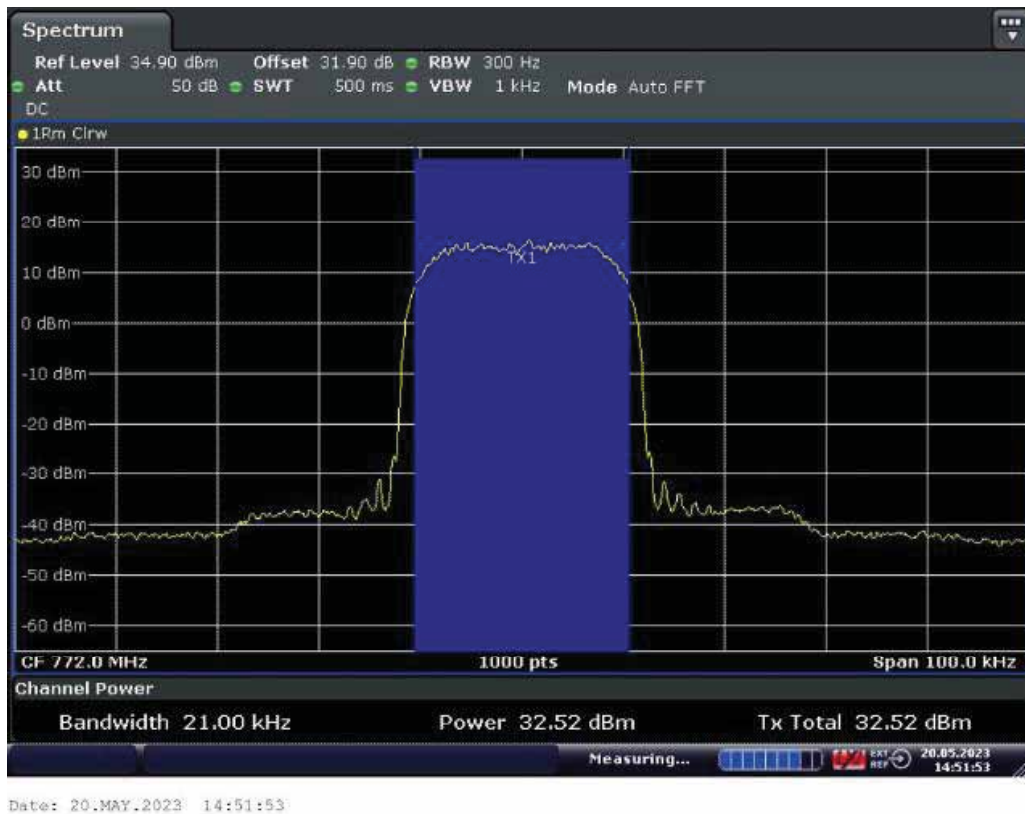
Date: 17.MAY.2023 15:16:39

Middle Frequency: 772.0MHz, Input occupied BW



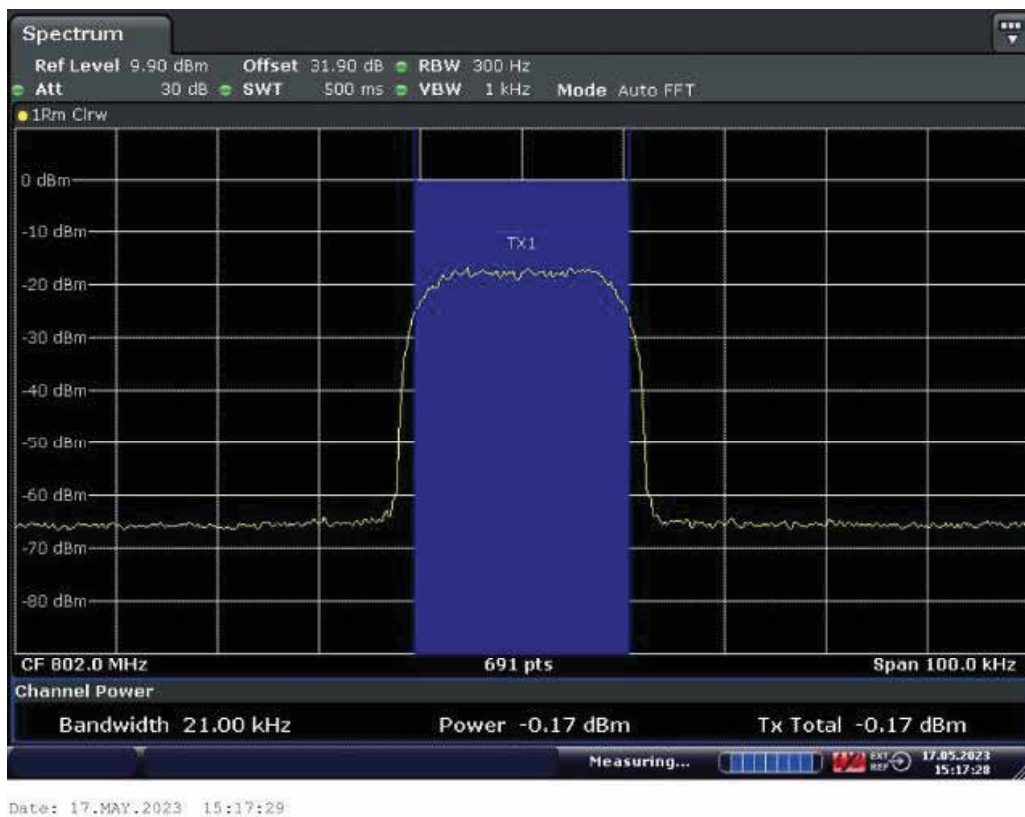
Date: 20.MAY.2023 14:51:41

Middle Frequency: 772.0MHz, Output occupied BW(AGC)

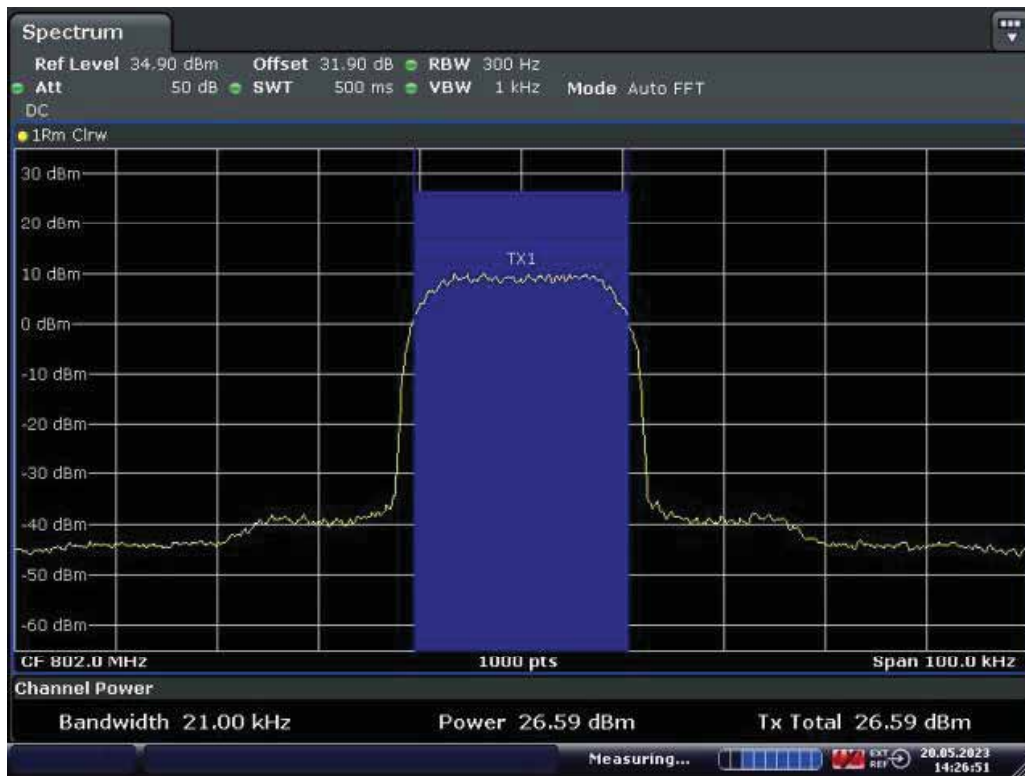


Middle Frequency: 772.0MHz, Output occupied BW (with the input signal amplitude set 3 dB above the AGC threshold)

11.15.2.3.1.5.2. Uplink

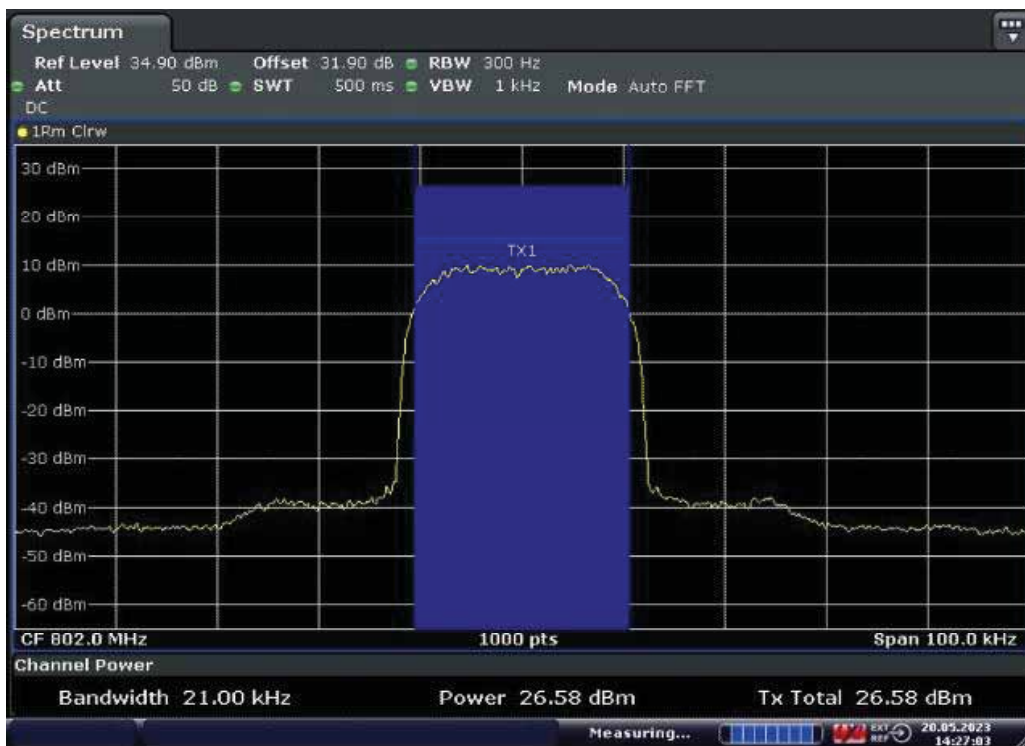


Middle Frequency: 802.0MHz MHz, Input occupied BW



Date: 20.MAY.2023 14:26:51

Middle Frequency: 802.0MHz, Output occupied BW(AGC)



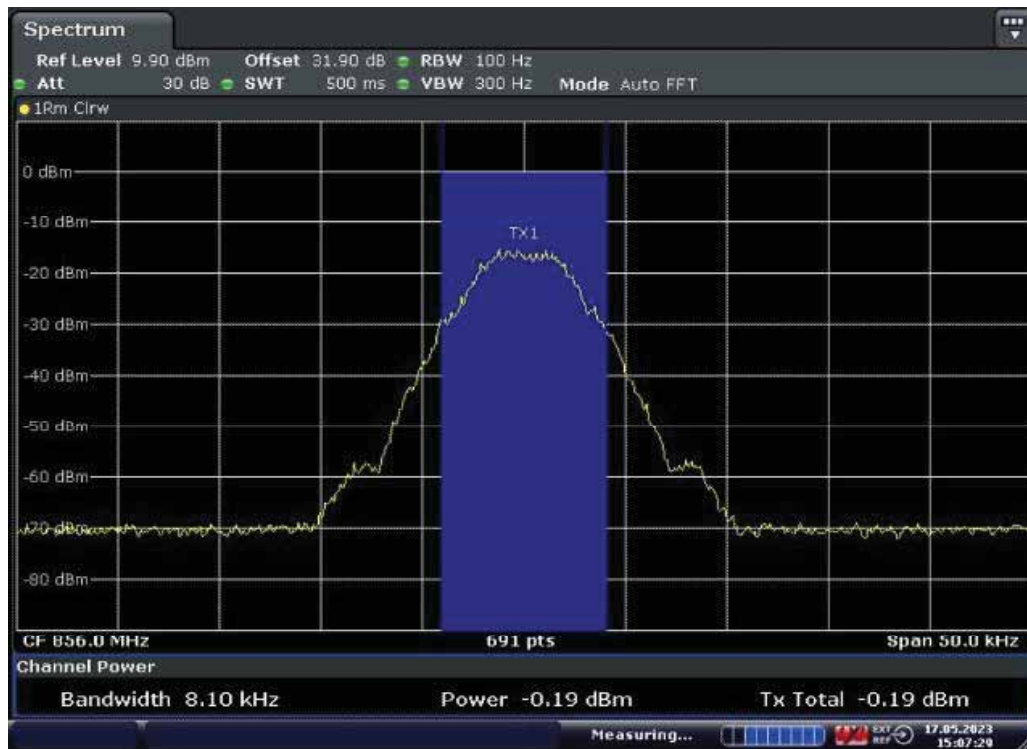
Date: 20.MAY.2023 14:27:03

Middle Frequency: 802.0MHz, Output occupied BW (with the input signal amplitude set 3 dB above the AGC threshold)

11.15.2.3.2. 800MHz Band

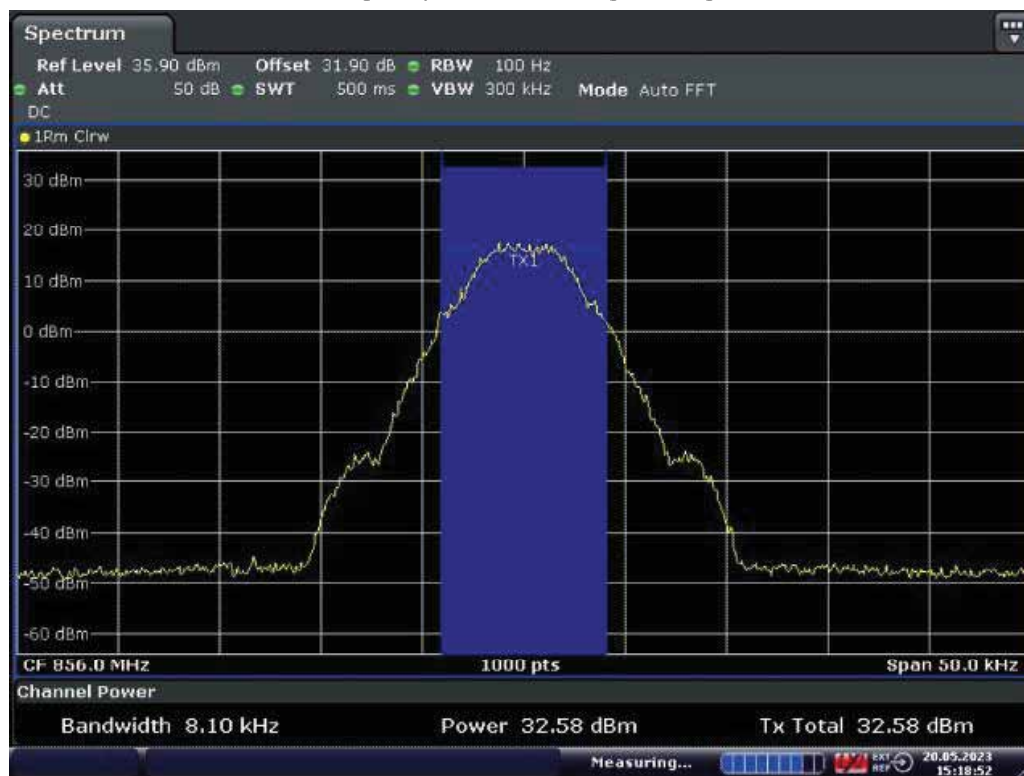
11.15.2.3.2.1. P25 Phase I(C4FM)

11.15.2.3.2.1.1. Downlink



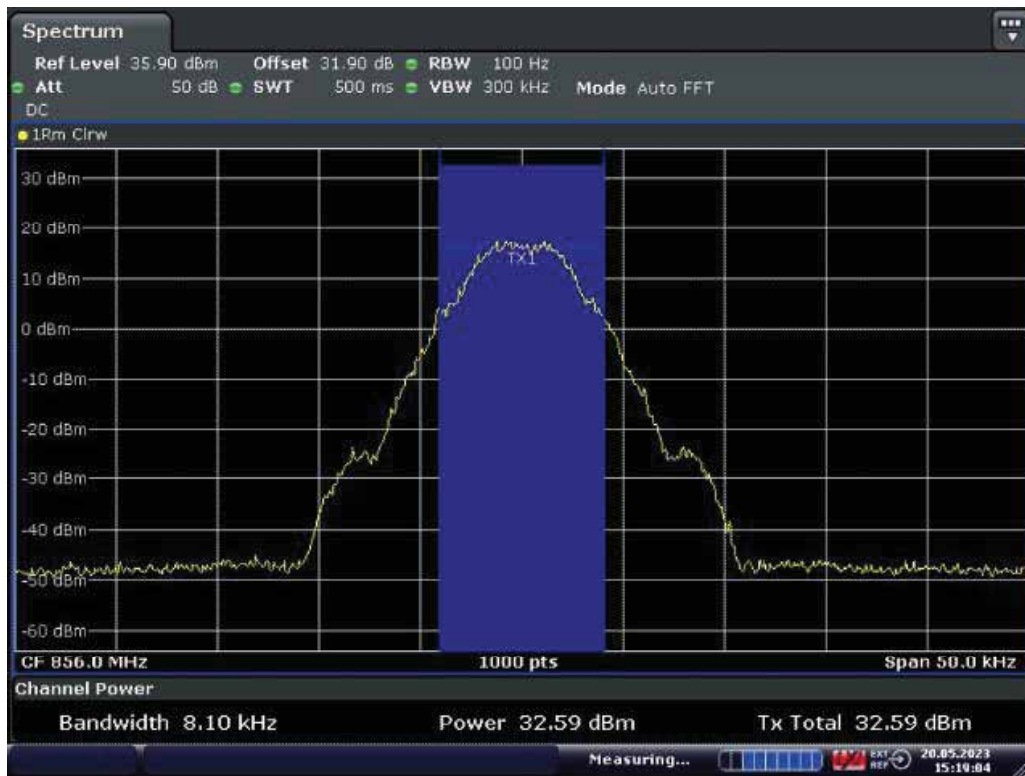
Date: 17.MAY.2023 15:07:29

Middle Frequency: 856.0MHz, Input occupied BW



Date: 20.MAY.2023 15:18:52

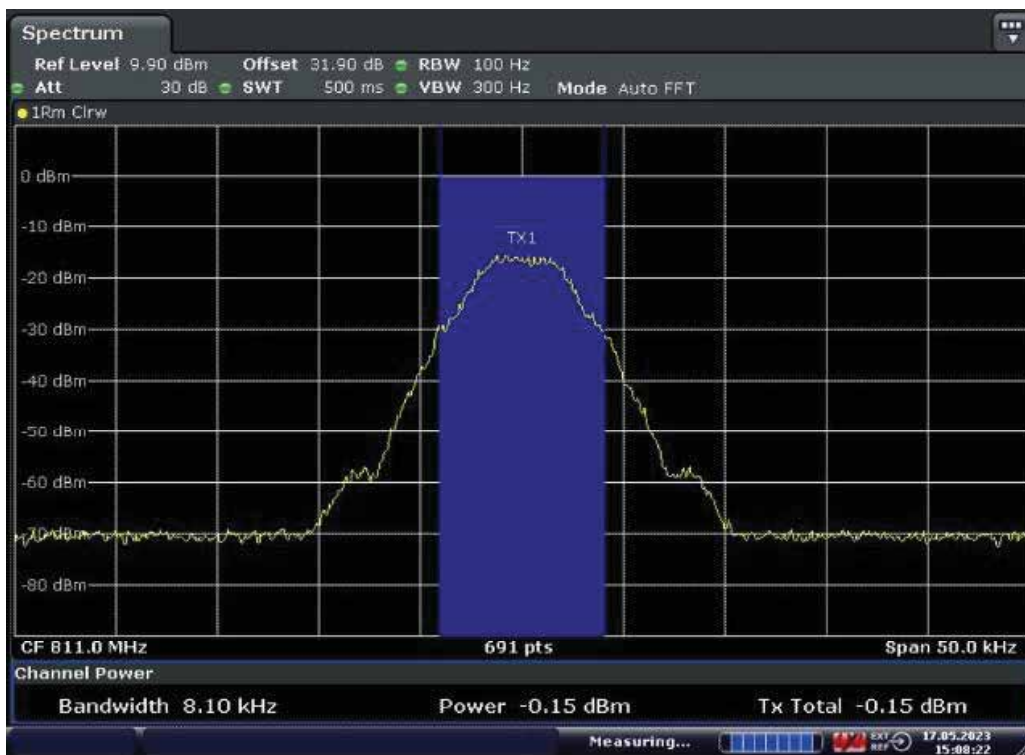
Middle Frequency: 856.0MHz, Output occupied BW(AGC)



Date: 20.MAY.2023 15:19:04

Middle Frequency: 856.0MHz, Output occupied BW (with the input signal amplitude set 3 dB above the AGC threshold)

11.15.2.3.2.1.2. Uplink



Date: 17.MAY.2023 15:08:22

Middle Frequency: 811.0MHz MHz, Input occupied BW