

10.5.4.2. Occupied bandwidth

10.5.4.2.1. P25 Phase I(C4FM) mode

Carrier frequency	Input signal status	Test Data
(1) Downlink transmit mode		
Low frequency: 450.00625 MHz	with the input signal amplitude set the AGC threshold	See clause 10.5.5.2.1.1
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.2.1.1
Mid frequency: 479.0 MHz	with the input signal amplitude set the AGC threshold	See clause 10.5.5.2.1.1
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.2.1.1
High frequency: 508.99375MHz	with the input signal amplitude set the AGC threshold	See clause 10.5.5.2.1.1
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.2.1.1
(2) Uplink transmit mode		
Low frequency: 455.00625 MHz	with the input signal amplitude set the AGC threshold	See clause 10.5.5.2.2.1
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.2.2.1
Mid frequency: 484.0 MHz	with the input signal amplitude set the AGC threshold	See clause 10.5.5.2.2.1
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.2.2.1
High frequency: 511.99375MHz	with the input signal amplitude set the AGC threshold	See clause 10.5.5.2.2.1
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.2.2.1

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10.5.4.2.2. P25 Phase II(H-DQPSK) mode

Carrier frequency	Input signal status	Test Data
(3) Downlink transmit mode		
Low frequency: 450.00625 MHz	with the input signal amplitude set the AGC threshold	See clause 10.5.5.2.1.2
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.2.1.2
Mid frequency: 479.0 MHz	with the input signal amplitude set the AGC threshold	See clause 10.5.5.2.1.2
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.2.1.2
High frequency: 508.99375MHz	with the input signal amplitude set the AGC threshold	See clause 10.5.5.2.1.2
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.2.1.2
(4) Uplink transmit mode		
Low frequency: 455.00625 MHz	with the input signal amplitude set the AGC threshold	See clause 10.5.5.2.2.2
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.2.2.2
Mid frequency: 484.0 MHz	with the input signal amplitude set the AGC threshold	See clause 10.5.5.2.2.2
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.2.2.2
High frequency: 511.99375MHz	with the input signal amplitude set the AGC threshold	See clause 10.5.5.2.2.2
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.2.2.2

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10.5.4.2.3. 6.25kHz Analog FM mode

Carrier frequency	Input signal status	Test Data
(5) Downlink transmit mode		
Low frequency: 450.00313 MHz	with the input signal amplitude set the AGC threshold	See clause 10.5.5.2.1.3
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.2.1.3
Mid frequency: 479.0 MHz	with the input signal amplitude set the AGC threshold	See clause 10.5.5.2.1.3
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.2.1.3
High frequency: 508.99688MHz	with the input signal amplitude set the AGC threshold	See clause 10.5.5.2.1.3
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.2.1.3
(6) Uplink transmit mode		
Low frequency: 455.00313 MHz	with the input signal amplitude set the AGC threshold	See clause 10.5.5.2.2.3
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.2.2.3
Mid frequency: 484.0 MHz	with the input signal amplitude set the AGC threshold	See clause 10.5.5.2.2.3
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.2.2.3
High frequency: 511.99688MHz	with the input signal amplitude set the AGC threshold	See clause 10.5.5.2.2.3
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.2.2.3

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10.5.4.2.4. 12.5kHz Analog FM mode

Carrier frequency	Input signal status	Test Data
(7) Downlink transmit mode		
Low frequency: 450.00625 MHz	with the input signal amplitude set the AGC threshold	See clause 10.5.5.2.1.4
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.2.1.4
Mid frequency: 479.0 MHz	with the input signal amplitude set the AGC threshold	See clause 10.5.5.2.1.4
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.2.1.4
High frequency: 508.99375MHz	with the input signal amplitude set the AGC threshold	See clause 10.5.5.2.1.4
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.2.1.4
(8) Uplink transmit mode		
Low frequency: 455.00625 MHz	with the input signal amplitude set the AGC threshold	See clause 10.5.5.2.2.4
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.2.2.4
Mid frequency: 484.0 MHz	with the input signal amplitude set the AGC threshold	See clause 10.5.5.2.2.4
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.2.2.4
High frequency: 511.99375MHz	with the input signal amplitude set the AGC threshold	See clause 10.5.5.2.2.4
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.2.2.4

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10.5.4.2.5. 25kHz Analog FM mode

Carrier frequency	Input signal status	Test Data
(9) Downlink transmit mode		
Low frequency: 450.0125 MHz	with the input signal amplitude set the AGC threshold	See clause 10.5.5.2.1.5
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.2.1.5
Mid frequency: 479.0 MHz	with the input signal amplitude set the AGC threshold	See clause 10.5.5.2.1.5
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.2.1.5
High frequency: 508.9875MHz	with the input signal amplitude set the AGC threshold	See clause 10.5.5.2.1.5
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.2.1.5
(10) Uplink transmit mode		
Low frequency: 455.0125 MHz	with the input signal amplitude set the AGC threshold	See clause 10.5.5.2.2.5
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.2.2.5
Mid frequency: 484.0 MHz	with the input signal amplitude set the AGC threshold	See clause 10.5.5.2.2.5
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.2.2.5
High frequency: 511.9875MHz	with the input signal amplitude set the AGC threshold	See clause 10.5.5.2.2.5
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.2.2.5

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10.5.4.3. Input VS output Comparison

10.5.4.3.1. P25 Phase I(C4FM) mode

Carrier frequency	Input VS output Comparison status	Test data
(1) Downlink transmit mode		
Low frequency: 450.00625 MHz	Input signal	See clause 10.5.5.3.1.1
	with the input signal amplitude set the AGC threshold	See clause 10.5.5.3.1.1
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.3.1.1
Mid frequency: 479.0 MHz	Input signal	See clause 10.5.5.3.1.1
	with the input signal amplitude set the AGC threshold	See clause 10.5.5.3.1.1
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.3.1.1
High frequency: 508.99375MHz	Input signal	See clause 10.5.5.3.1.1
	with the input signal amplitude set the AGC threshold	See clause 10.5.5.3.1.1
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.3.1.1
(2) Uplink transmit mode		
Low frequency: 450.00625 MHz	Input signal	See clause 10.5.5.3.2.1
	with the input signal amplitude set the AGC threshold	See clause 10.5.5.3.2.1
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.3.2.1
Mid frequency: 479.0 MHz	Input signal	See clause 10.5.5.3.2.1
	with the input signal amplitude set the AGC threshold	See clause 10.5.5.3.2.1
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.3.2.1
High frequency: 508.99375MHz	Input signal	See clause 10.5.5.3.2.1
	with the input signal amplitude set the AGC threshold	See clause 10.5.5.3.2.1
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.3.2.1

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10.5.4.3.2. P25 Phase II(H-DQPSK) mode

Carrier frequency	Input VS output Comparison status	Test data
(3) Downlink transmit mode		
Low frequency: 450.00625 MHz	Input signal	See clause 10.5.5.3.1.2
	with the input signal amplitude set the AGC threshold	See clause 10.5.5.3.1.2
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.3.1.2
Mid frequency: 479.0 MHz	Input signal	See clause 10.5.5.3.1.2
	with the input signal amplitude set the AGC threshold	See clause 10.5.5.3.1.2
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.3.1.2
High frequency: 508.99375MHz	Input signal	See clause 10.5.5.3.1.2
	with the input signal amplitude set the AGC threshold	See clause 10.5.5.3.1.2
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.3.1.2
(4) Uplink transmit mode		
Low frequency: 450.00625 MHz	Input signal	See clause 10.5.5.3.2.2
	with the input signal amplitude set the AGC threshold	See clause 10.5.5.3.2.2
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.3.2.2
Mid frequency: 479.0 MHz	Input signal	See clause 10.5.5.3.2.2
	with the input signal amplitude set the AGC threshold	See clause 10.5.5.3.2.2
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.3.2.2
High frequency: 508.99375MHz	Input signal	See clause 10.5.5.3.2.2
	with the input signal amplitude set the AGC threshold	See clause 10.5.5.3.2.2
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.3.2.2

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10.5.4.3.3. 6.25kHz Analog FM mode

Carrier frequency	Input VS output Comparison status	Test data
(5) Downlink transmit mode		
Low frequency: 450.00313 MHz	Input signal	See clause 10.5.5.3.1.3
	with the input signal amplitude set the AGC threshold	See clause 10.5.5.3.1.3
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.3.1.3
Mid frequency: 479.0 MHz	Input signal	See clause 10.5.5.3.1.3
	with the input signal amplitude set the AGC threshold	See clause 10.5.5.3.1.3
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.3.1.3
High frequency: 508.99688MHz	Input signal	See clause 10.5.5.3.1.3
	with the input signal amplitude set the AGC threshold	See clause 10.5.5.3.1.3
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.3.1.3
(6) Uplink transmit mode		
Low frequency: 455.00313 MHz	Input signal	See clause 10.5.5.3.2.3
	with the input signal amplitude set the AGC threshold	See clause 10.5.5.3.2.3
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.3.2.3
Mid frequency: 484.0 MHz	Input signal	See clause 10.5.5.3.2.3
	with the input signal amplitude set the AGC threshold	See clause 10.5.5.3.2.3
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.3.2.3
High frequency: 511.99688MHz	Input signal	See clause 10.5.5.3.2.3
	with the input signal amplitude set the AGC threshold	See clause 10.5.5.3.2.3
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.3.2.3

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10.5.4.3.4. 12.5kHz Analog FM mode

Carrier frequency	Input VS output Comparison status	Test data
(7) Downlink transmit mode		
Low frequency: 450.00625 MHz	Input signal	See clause 10.5.5.3.1.4
	with the input signal amplitude set the AGC threshold	See clause 10.5.5.3.1.4
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.3.1.4
Mid frequency: 479.0 MHz	Input signal	See clause 10.5.5.3.1.4
	with the input signal amplitude set the AGC threshold	See clause 10.5.5.3.1.4
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.3.1.4
High frequency: 508.99375MHz	Input signal	See clause 10.5.5.3.1.4
	with the input signal amplitude set the AGC threshold	See clause 10.5.5.3.1.4
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.3.1.4
(8) Uplink transmit mode		
Low frequency: 450.00625 MHz	Input signal	See clause 10.5.5.3.2.4
	with the input signal amplitude set the AGC threshold	See clause 10.5.5.3.2.4
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.3.2.4
Mid frequency: 479.0 MHz	Input signal	See clause 10.5.5.3.2.4
	with the input signal amplitude set the AGC threshold	See clause 10.5.5.3.2.4
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.3.2.4
High frequency: 508.99375MHz	Input signal	See clause 10.5.5.3.2.4
	with the input signal amplitude set the AGC threshold	See clause 10.5.5.3.2.4
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.3.2.4

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10.5.4.3.5. 25kHz Analog FM mode

Carrier frequency	Input VS output Comparison status	Test data
(9) Downlink transmit mode		
Low frequency: 450.00625 MHz	Input signal	See clause 10.5.5.3.1.5
	with the input signal amplitude set the AGC threshold	See clause 10.5.5.3.1.5
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.3.1.5
Mid frequency: 479.0 MHz	Input signal	See clause 10.5.5.3.1.5
	with the input signal amplitude set the AGC threshold	See clause 10.5.5.3.1.5
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.3.1.5
High frequency: 508.99375MHz	Input signal	See clause 10.5.5.3.1.5
	with the input signal amplitude set the AGC threshold	See clause 10.5.5.3.1.5
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.3.1.5
(10) Uplink transmit mode		
Low frequency: 450.00625 MHz	Input signal	See clause 10.5.5.3.2.5
	with the input signal amplitude set the AGC threshold	See clause 10.5.5.3.2.5
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.3.2.5
Mid frequency: 479.0 MHz	Input signal	See clause 10.5.5.3.2.5
	with the input signal amplitude set the AGC threshold	See clause 10.5.5.3.2.5
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.3.2.5
High frequency: 508.99375MHz	Input signal	See clause 10.5.5.3.2.5
	with the input signal amplitude set the AGC threshold	See clause 10.5.5.3.2.5
	with the input signal amplitude set 3 dB above the AGC threshold	See clause 10.5.5.3.2.5

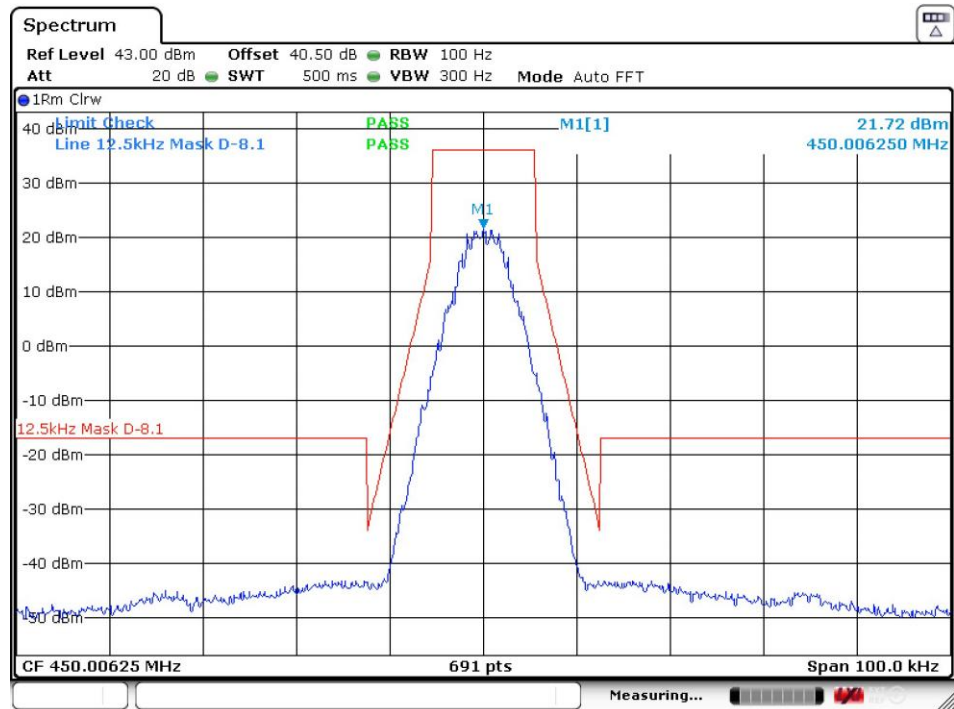
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10.5.5. Test screenshot

10.5.5.1. Emission mask

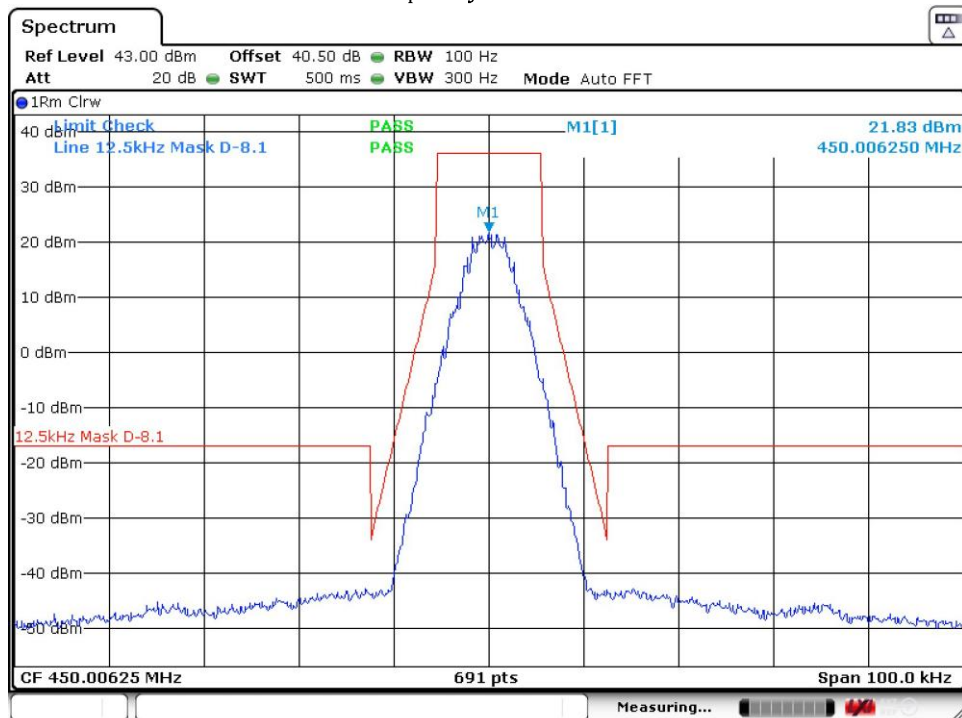
10.5.5.1.1. Downlink

10.5.5.1.1.1. P25 Phase I(C4FM) mode



Date: 27.JAN.2024 09:40:47

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



Date: 27.JAN.2024 09:40:56

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