



SM-F741B_LTE2_5 M_BandEdge_High_QPSK_1RB

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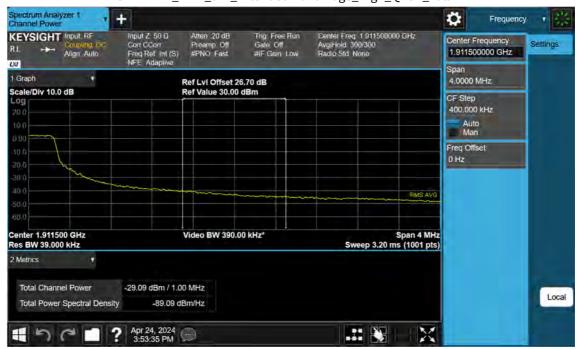




SM-F741B_LTE2_5 M_BandEdge_High_QPSK_FullRB

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SM-F741B_LTE2_5 M_Extended Band Edge_High_QPSK_FullRB

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ø Frequency Input Z: 50 Q Corr CCorr Freq Ref: Int (S) NFE: Adaptive #Avg Type: Power (RMS 1 2 3 4 5 5 Trig: Free Run PNO Best Wide Gate Off IF Gain Low Sig Track Off KEYSIGHT Input RF #Atten 20 dB Preamp Off Center Frequency 1.850000000 GHz Settings Align Auto AAAAAA LXI Mkr1 1.850 000 GHz 1 Spectrum 4.00000000 MHz Ref LvI Offset 26.70 dB Ref Level 26.70 dBm -30.914 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 1.848000000 GHz Stop Freq 1.852000000 GHz 0E1 -13,00 at AUTO TUNE 400.000 kHz Auto Man Freq Offset 0 Hz Local X Axis Scale Center 1.850000 GHz #Res BW 100 kHz Span 4.000 MHz #Sweep ~1.01 s (1001 pts) #Video BW 300 kHz Log Lin .:: 💸 # 5 C Apr 24, 2024 93:56:40 PM

SM-F741B_LTE2_10 M_BandEdge_Low_QPSK_1RB

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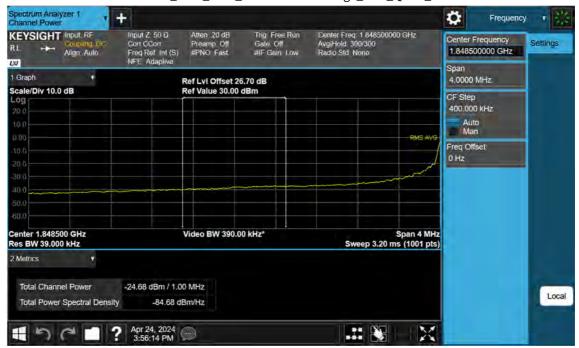




SM-F741B_LTE2_10 M_BandEdge_Low_QPSK_FullRB

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SM-F741B_LTE2_10 M_Extended Band Edge_Low_QPSK_FullRB

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ø Frequency Input Z: 50 Q Corr CCorr Freq Ref. Int (S) NFE: Adaptive #Avg Type: Power (RMS 1 2 3 4 5 5 Trig: Free Run PNO Best Wide Gate Off IF Gain Low Sig Track Off KEYSIGHT Input RF Center Frequency 1.910000000 GHz Settings Align Auto AAAAAA LXI Mkr1 1.910 000 GHz 1 Spectrum Ref LvI Offset 26.70 dB Ref Level 26.70 dBm 4.00000000 MHz -29.976 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 1,908000000 GHz Stop Freq 1.912000000 GHz 0LT-13.00 at AUTO TUNE 400.000 kHz Auto Man Freq Offset 0 Hz Local X Axis Scale Center 1.910000 GHz #Res BW 100 kHz Span 4.000 MHz #Sweep ~1.01 s (1001 pts) #Video BW 300 kHz Log Lin ... 💸

SM-F741B_LTE2_10 M_BandEdge_High_QPSK_1RB

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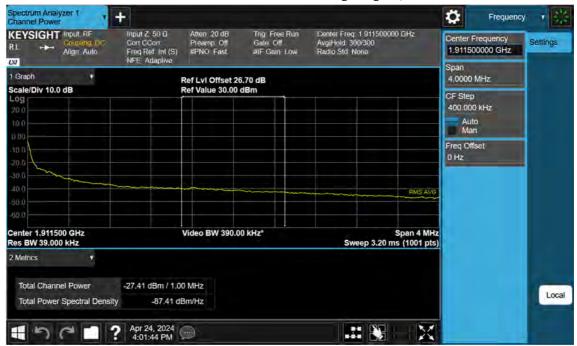




SM-F741B_LTE2_10 M_BandEdge_High_QPSK_FullRB

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SM-F741B_LTE2_10 M_Extended Band Edge_High_QPSK_FullRB

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Apr 24, 2024 (#) 4:04:50 PM

ø Frequency Input Z: 50 Q Corr CCorr Freq Ref. Int (S) NFE: Adaptive #Avg Type: Power (RMS 1 2 3 4 5 5 Trig: Free Run PNO Best Wide Gate Off IF Gain Low Sig Track Off KEYSIGHT Input RF #Atten 20 dB Preamp Off Center Frequency 1.850000000 GHz Settings Align Auto AAAAAA LXI Mkr1 1.850 000 GHz 1 Spectrum Ref LvI Offset 26.70 dB Ref Level 26.70 dBm 4.00000000 MHz -26.839 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 1.848000000 GHz Stop Freq 1.852000000 GHz AUTO TUNE 400.000 kHz Auto Man Freq Offset 0 Hz Local X Axis Scale Log Lin Center 1.850000 GHz #Res BW 150 kHz Span 4.000 MHz #Sweep ~1.01 s (1001 pts) #Video BW 470 kHz

SM-F741B_LTE2_15 M_BandEdge_Low__QPSK_1RB

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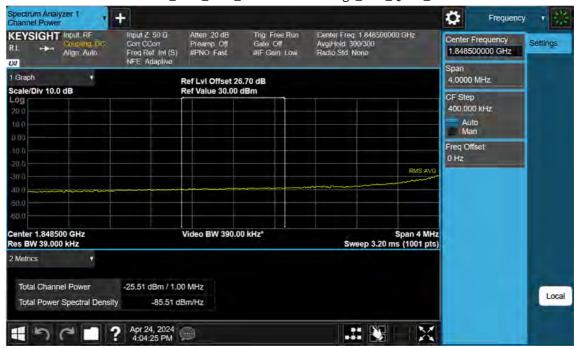




SM-F741B_LTE2_15 M_BandEdge_Low_QPSK_FullRB

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SM-F741B_LTE2_15 M_Extended Band Edge_Low_QPSK_FullRB

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SM-F741B_LTE2_15 M_BandEdge_High_QPSK_1RB

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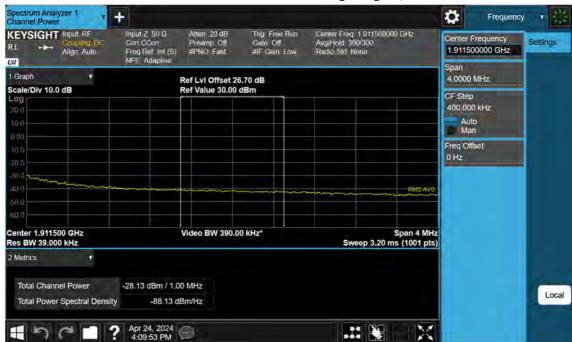




SM-F741B_LTE2_15 M_BandEdge_High_QPSK_FullRB

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SM-F741B_LTE2_15 M_Extended Band Edge _High_QPSK_FullRB

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SM-F741B_LTE2_20 M_BandEdge_Low_QPSK_1RB

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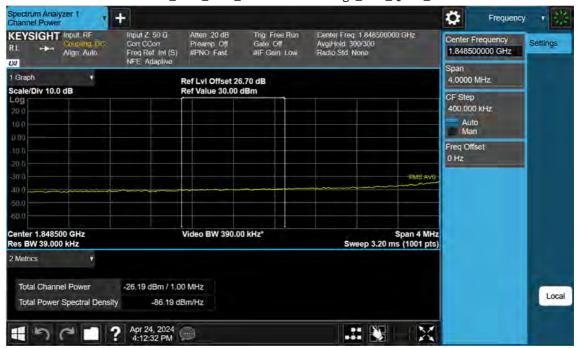




SM-F741B_LTE2_20 M_BandEdge_Low_QPSK_FullRB

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SM-F741B_LTE2_20 M_Extended Band Edge_Low_QPSK_FullRB

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SM-F741B_LTE2_20 M_BandEdge_High_QPSK_1RB

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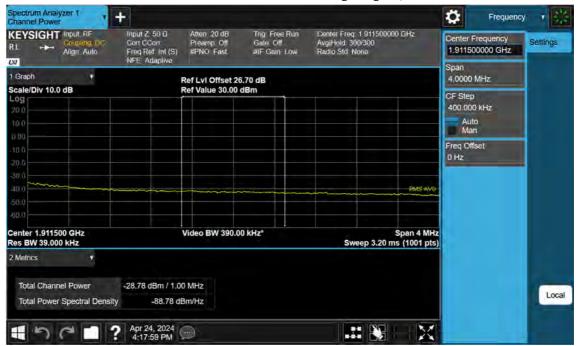




SM-F741B_LTE2_20 M_BandEdge_High_QPSK_FullRB

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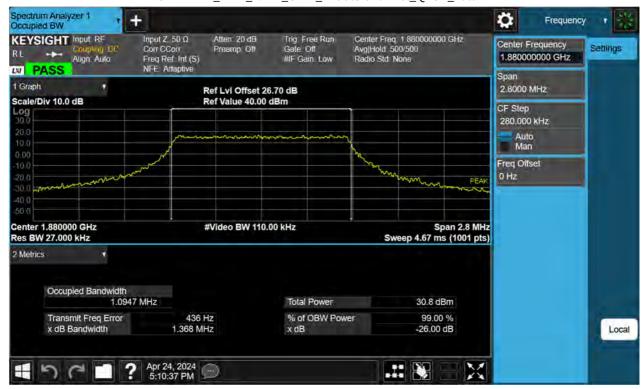




SM-F741B_LTE2_20 M_Extended Band Edge_High_QPSK_FullRB

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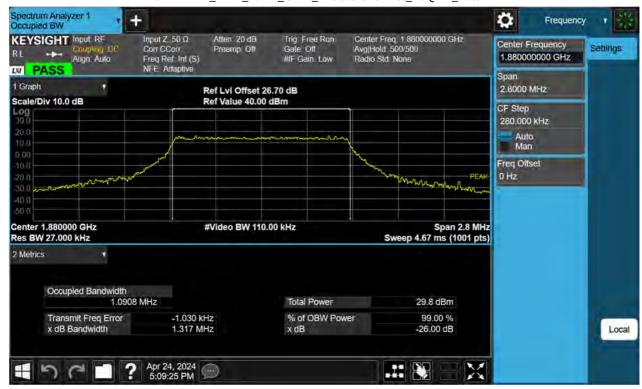




SM-F741B_LTE2_1.4 M_OBW_Middle Channel_QPSK_FullRB

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SM-F741B_LTE2_1.4 M_OBW_Middle Channel_16QAM_FullRB

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Spectrum Analyzer 1 Occupied BW Ö Frequency Center Freq 1 880000000 GHz Avg|Hold 500/500 Radio Std None Input Z: 50 Ω Corr CCorr Atten 20 dB Preamp Off Trig Free Run Gale Off KEYSIGHT Input RF Center Frequency Settings Align: Auto 1.880000000 GHz Freq Ref. Int (S) NFE. Adaptive #IF Gain: Low IN PASS 1 Graph Ref Lvi Offset 26.70 dB Ref Value 40.00 dBm 2.8000 MHz Scale/Div 10.0 dB CF Step 280.000 kHz Auto Man Freq Offset 0 Hz PEAP Center 1.880000 GHz #Res BW 27.000 kHz #Video BW 110.00 kHz Span 2.8 MHz Sweep 4.67 ms (1001 pts) 2 Metrics Occupied Bandwidth Total Power 29.1 dBm 1.0969 MHz Transmit Freq Error 705 Hz % of OBW Power 99.00 % x dB Bandwidth 1.338 MHz x dB -26.00 dB Apr 24, 2024 6:54:59 PM 1. 1

SM-F741B LTE2 1.4 M OBW Middle Channel 64QAM FullRB

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SM-F741B_LTE2_1.4 M_OBW_Middle Channel_256QAM_FullRB

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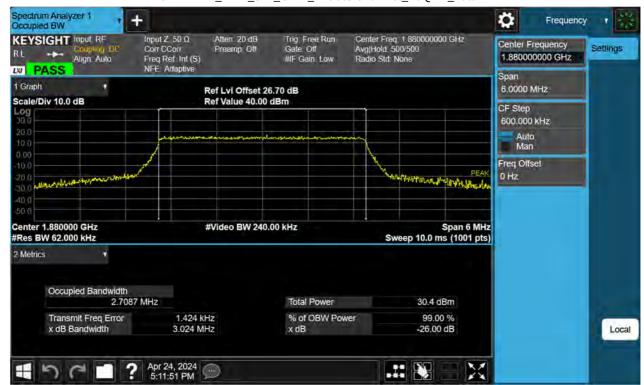




SM-F741B_LTE2_3 M_OBW_Middle Channel_QPSK_FullRB

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SM-F741B_LTE2_3 M_OBW_Middle Channel_16QAM_FullRB

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SM-F741B_LTE2_3 M_OBW_Middle Channel_64QAM_FullRB

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SM-F741B_LTE2_3 M_OBW_Middle Channel_256QAM_FullRB

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Spectrum Analyzer 1 Occupied BW Ö Frequency Input Z 50 Ω Corr CCorr Freq Ref Int (S) NFE: Adaptive Atten 20 dB Preamp Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq 1 880000000 GHz Avg|Hold 500/500 Radio Std: None KEYSIGHT Input RF Center Frequency Settings Align: Auto 1.880000000 GHz IN PASS 1 Graph Ref Lvi Offset 26.70 dB Ref Value 40.00 dBm 10.000 MHz Scale/Div 10.0 dB CF Step 1.000000 MHz Auto Man Freq Offset 0 Hz Center 1.880000 GHz #Res BW 100.00 kHz Span 10 MHz Sweep 16.7 ms (1001 pts) #Video BW 390.00 kHz 2 Metrics Occupied Bandwidth 4.5088 MHz Total Power 31.8 dBm Transmit Freq Error -1.403 kHz % of OBW Power 99.00 % x dB Bandwidth 5.181 MHz x dB -26.00 dB Local Apr 24, 2024 5:15:32 PM .:: 🐺

SM-F741B_LTE2_5 M_OBW_Middle Channel_QPSK_FullRB

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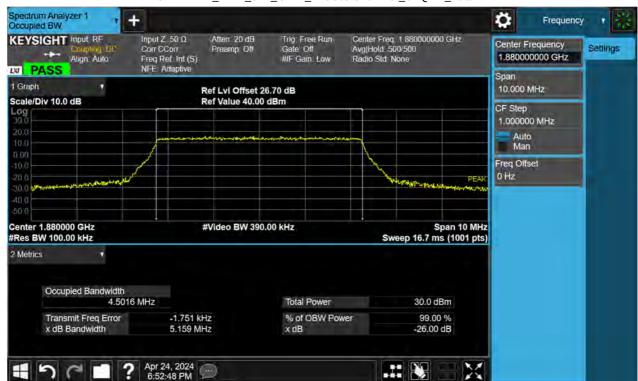




SM-F741B_LTE2_5 M_OBW_Middle Channel_16QAM_FullRB

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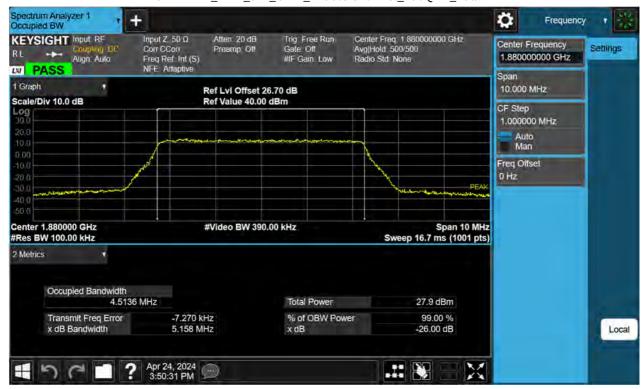




SM-F741B_LTE2_5 M_OBW_Middle Channel_64QAM_FullRB

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SM-F741B_LTE2_5 M_OBW_Middle Channel_256QAM_FullRB

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SM-F741B_LTE2_10 M_OBW_Middle Channel_QPSK_FullRB

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SM-F741B_LTE2_10 M_OBW_Middle Channel_16QAM_FullRB

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Spectrum Analyzer 1 Occupied BW Ö Frequency Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive Atten 20 dB Preamp Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq 1 880000000 GHz Avg|Hold 500/500 Radio Std: None KEYSIGHT Input RF Center Frequency Settings Align: Auto 1.880000000 GHz IN PASS 1 Graph Ref Lvi Offset 26.70 dB Ref Value 40.00 dBm 20.000 MHz Scale/Div 10.0 dB CF Step 2.000000 MHz Auto Man Freq Oifset PEAR 0 Hz Center 1.88000 GHz #Res BW 200.00 kHz #Video BW 820.00 kHz Span 20 MHz Sweep 1.00 ms (1001 pts) 2 Métrics Occupied Bandwidth 9.0105 MHz Total Power 29.3 dBm Transmit Freq Error -4.320 kHz % of OBW Power 99.00 % -26.00 dB x dB Bandwidth 9.933 MHz x dB Apr 24, 2024 6:51:51 PM .:: 🐺

SM-F741B_LTE2_10 M_OBW_Middle Channel_64QAM_FullRB

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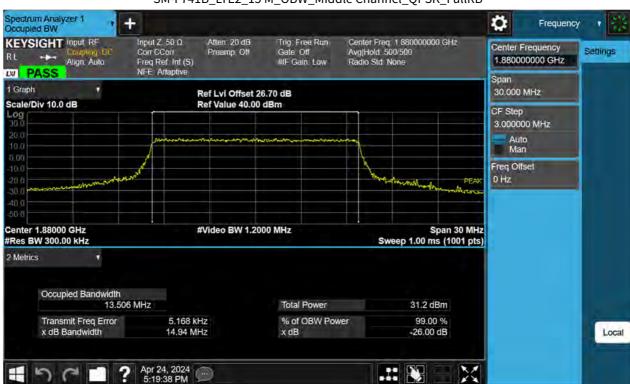
Spectrum Analyzer 1 Occupied BW Ö Frequency Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive Atten 20 dB Preamp Off Trig: Free Run Gate: Off #IF Gain: Low Center Freq 1 880000000 GHz Avg|Hold 500/500 Radio Std: None KEYSIGHT Input RF Center Frequency Settings Align: Auto 1.880000000 GHz IN PASS 1 Graph Ref Lvi Offset 26.70 dB Ref Value 40.00 dBm 20.000 MHz Scale/Div 10.0 dB CF Step 2.000000 MHz Auto Man Freq Offset 0 Hz Center 1.88000 GHz #Res BW 200.00 kHz #Video BW 820.00 kHz Span 20 MHz Sweep 1.00 ms (1001 pts) 2 Metrics Occupied Bandwidth 8.9951 MHz Total Power 27.3 dBm Transmit Freq Error -1.401 kHz % of OBW Power 99.00 % 10.09 MHz -26.00 dB x dB Bandwidth x dB Local Apr 24, 2024 3:58:48 PM

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SM-F741B_LTE2_10 M_OBW_Middle Channel_256QAM_FullRB

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SM-F741B_LTE2_15 M_OBW_Middle Channel_QPSK_FullRB

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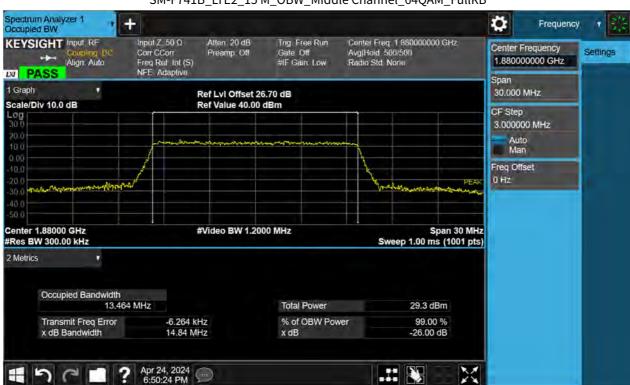




SM-F741B_LTE2_15 M_OBW_Middle Channel_16QAM_FullRB

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SM-F741B_LTE2_15 M_OBW_Middle Channel_64QAM_FullRB

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SM-F741B_LTE2_15 M_OBW_Middle Channel_256QAM_FullRB

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SM-F741B_LTE2_20 M_OBW_Middle Channel_QPSK_FullRB

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Spectrum Analyzer 1 Occupied BW ø Frequency Input Z 50 0 Corr CCorr Freq Ref. Int (S) NFE. Adaptive Atten: 20 dB Preamp: Off Center Freq. 1 880000000 GHz Avg|Hold. 500/500 Radio Std. None Trig Free Run KEYSIGHT Input: RF Center Frequency Gate Off #IF Gain Low Settings Align: Auto 1.880000000 GHz INI PASS 1 Graph Ref LvI Offset 26.70 dB Ref Value 40.00 dBm 40,000 MHz Scale/Div 10.0 dB 4.000000 MHz Auto Man Freq Offset 0 Hz Center 1.88000 GHz #Res BW 390.00 kHz Span 40 MHz Sweep 1.00 ms (1001 pts) #Video BW 1.6000 MHz 2 Metrics Occupied Bandwidth 18.033 MHz Total Power 30.4 dBm % of OBW Power 99.00 % -26.00 dB Transmit Freq Error -4.581 kHz 19.71 MHz x dB Bandwidth x dB Local ? Apr 24, 2024 5:20:44 PM

SM-F741B_LTE2_20 M_OBW_Middle Channel_16QAM_FullRB

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SM-F741B_LTE2_20 M_OBW_Middle Channel_64QAM_FullRB

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SM-F741B_LTE2_20 M_OBW_Middle Channel_256QAM_FullRB

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SM-F741B_LTE2_1.4 M_PAR_Middle Channel_QPSK_FullRB

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SM-F741B_LTE2_1.4 M_PAR _Middle Channel_16QAM_FullRB

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SM-F741B_LTE2_1.4 M_PAR _Middle Channel_64QAM_FullRB

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Spectrum Analyzer 1 Power Stat CCDF Ö Frequency Input Z 50 Ω Corr CCorr Freq Ref. Int (S) Atten: 20 dB Preamp Off Trig: Free Run #IF Gain: Low Center Freq 1 880000000 GHz Counts 2 00 M/2 00 Mpt Radio Std: None KEYSIGHT Input RF Center Frequency Settings Align: Auto 1.880000000 GHz LXI CF Step 1.400000 MHz 1 Metrics 2 Graph Auto Man Average Power 18.65 dBm Freq Offset 43.25 % at 0 dB 10.0 % 3.04 dB 5.25 dB 1.0 % 0.1 % 6.69 dB 0.01 % 7.59 dB 0.001 % 8.43 dB 0.0001 % 8.53 dB 8.53 dB Peak 27.18 dBm Local 0.00 dB Info BW 1.4000 MHz 20.00 dB ? Apr 24, 2024 3:33:44 PM .1: 3

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SM-F741B_LTE2_3 M_PAR_Middle Channel_QPSK_FullRB

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SM-F741B_LTE2_3 M_PAR_Middle Channel_16QAM_FullRB

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SM-F741B_LTE2_3 M_PAR_Middle Channel_64QAM_FullRB

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SM-F741B_LTE2_3 M_PAR_Middle Channel_256QAM_FullRB

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SM-F741B_LTE2_5 M_PAR_Middle Channel_QPSK_FullRB

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SM-F741B_LTE2_5 M_PAR_Middle Channel_16QAM_FullRB

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SM-F741B_LTE2_5 M_PAR_Middle Channel_256QAM_FullRB

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SM-F741B_LTE2_10 M_PAR_Middle Channelz_QPSK_FullRB

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SM-F741B_LTE2_10 M_PAR_Middle Channel_16QAM_FullRB

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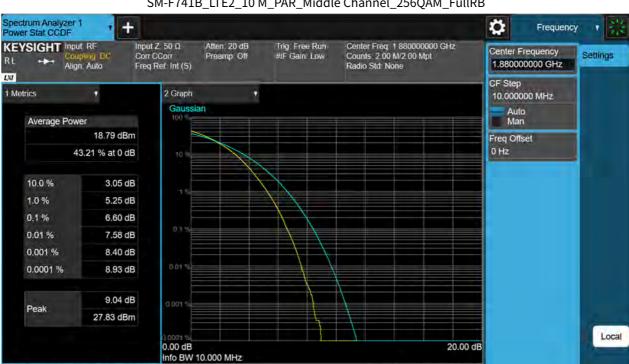




SM-F741B_LTE2_10 M_PAR_Middle Channel_64QAM_FullRB

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SM-F741B_LTE2_15 M_PAR_Middle Channel_QPSK_FullRB

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SM-F741B_LTE2_15 M_PAR_Middle Channel_16QAM_FullRB

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SM-F741B_LTE2_15 M_PAR_Middle Channel_64QAM_FullRB

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SM-F741B_LTE2_15 M_PAR_Middle Channel_256QAM_FullRB

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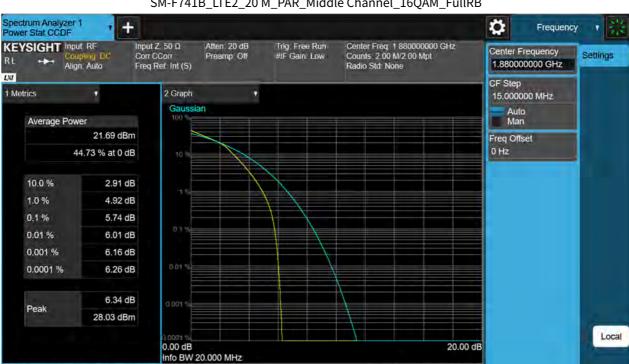


SM-F741B_LTE2_20 M_PAR_Middle Channel_QPSK_FullRB

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SM-F741B_LTE2_20 M_PAR_Middle Channel_16QAM_FullRB

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SM-F741B_LTE2_20 M_PAR_Middle Channel_64QAM_FullRB

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Spectrum Analyzer 1 Power Stat CCDF Ö Frequency Input Z 50 Ω Corr CCorr Freq Ref. Int (S) Atten: 20 dB Preamp Off Trig: Free Run #IF Gain: Low Center Freq 1 880000000 GHz Counts 2 00 M/2 00 Mpt Radio Std: None KEYSIGHT Input RF Center Frequency Settings Align: Auto 1.880000000 GHz LXI CF Step 20.000000 MHz 1 Metrics 2 Graph Auto Man Average Power 18.77 dBm Freq Ottset 43.16 % at 0 dB 10.0 % 3.05 dB 5.20 dB 1.0 % 0.1 % 6.63 dB 0.01 % 7.58 dB 0.001 % 8.36 dB 0.0001 % 8.60 dB 8.71 dB Peak 27.48 dBm Local 0.00 dB Info BW 20.000 MHz 20.00 dB ? Apr 24, 2024 4:15:21 PM

.1: 3

SM-F741B_LTE2_20 M_PAR_Middle Channel_256QAM_FullRB

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SM-F741B_LTE2_1.4 M_CSE(30 M-10 G)_Lowest Channel_QPSK_1RB

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SM-F741B_LTE2_1.4 M_CSE(30 M-10 G)_Middle Channel_QPSK_1RB

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SM-F741B_LTE2_1.4 M_CSE(30 M-10 G)_Highest Channel_QPSK_1RB

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SM-F741B_LTE2_3 M_CSE(30 M-10 G)_Lowest Channel_QPSK_1RB

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Spectrum Analyzer 1 Swept SA ø Frequency Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive #Atten: 20 dB Preamp: Off #Avg Type: Power (RMS 1 2 3 4 1 Trig: Free Run PNO Fast Gate. Off KEYSIGHT Input RF Center Frequency Settings AWWWW Align: Auto 5.015000000 GHz IF Gain: Low Sig Track: Off AAAAAA LXI Mkr1 8.299 6 GHz 1 Spectrum 9.97000000 GHz -70.381 dBm Scale/Div 10 dB Ref Level 10.00 dBm Swept Span Zero Span 02 Full Span Start Freq 30.000000 MHz Stop Freq 10.000000000 GHz **AUTO TUNE** Stop 10.000 GHz Sweep ~18.7 ms (20001 pts) #Video BW 3.0 MHz Start 30 MHz #Res BW 1.0 MHz CF Step 997.000000 MHz 5 Marker Table Auto Man Function Width Scale X 8.299 6 GHz Y -70.38 dBm Function Function Value Mode Freq Offset 1.878 9 GHz -3.857 dBm 0 Hz X Axis Scale Local 5 Log Lin Apr 24, 2024 3:43:08 PM ...

SM-F741B_LTE2_3 M_CSE(30 M-10 G)_Middle Channel_QPSK_1RB

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Spectrum Analyzer 1 Swept SA Ö Frequency Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive #Atten: 20 dB Preamp: Off #Avg Type: Power (RMS 1 2 3 4 5 PNO Fast Gate. Off KEYSIGHT Input RF Center Frequency Settings AWWWW Align: Auto 5.015000000 GHz IF Gain: Low Sig Track: Off AAAAAA LXI Mkr1 7.225 8 GHz 1 Spectrum 9.97000000 GHz -70.491 dBm Scale/Div 10 dB Ref Level 10.00 dBm Swept Span Zero Span $\Diamond 2$ Full Span Start Freq 30.000000 MHz Stop Freq 11 10.000000000 GHz **AUTO TUNE** #Video BW 3.0 MHz Stop 10.000 GHz Sweep ~18.7 ms (20001 pts) Start 30 MHz #Res BW 1.0 MHz CF Step 997.000000 MHz 5 Marker Table Auto Man Function Width Scale Function Function Value Mode 7.225 8 GHz 1.909 8 GHz -70.49 dBm Freq Offset -3.956 dBm 0 Hz X Axis Scale Local 5 Log Lin Apr 24, 2024 3:45:42 PM ...

SM-F741B_LTE2_3 M_CSE(30 M-10 G)_Highest Channel_QPSK_1RB

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SM-F741B_LTE2_5 M_CSE(30 M-10 G)_Lowest Channel_QPSK_1RB

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SM-F741B_LTE2_5 M_CSE(30 M-10 G)_Middle Channel_QPSK_1RB

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Spectrum Analyzer 1 Swept SA Ö Frequency Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive #Atten: 20 dB Preamp: Off #Avg Type: Power (RMS 1 2 3 4 5 Trig. Free Run PNO Fast Gate. Off KEYSIGHT Input RF Center Frequency Settings AWWWW Align: Auto 5.015000000 GHz IF Gain: Low Sig Track: Off AAAAAA LXI Mkr1 8.085 8 GHz 1 Spectrum 9.97000000 GHz -71.102 dBm Scale/Div 10 dB Ref Level 10.00 dBm Swept Span Zero Span $\Diamond 2$ Full Span Start Freq 30.000000 MHz Stop Freq 10.000000000 GHz **AUTO TUNE** #Video BW 3.0 MHz Stop 10.000 GHz Sweep ~18.7 ms (20001 pts) Start 30 MHz #Res BW 1.0 MHz CF Step 997.000000 MHz 5 Marker Table Auto Man Function Width Scale X 8.085 8 GHz Function Function Value Mode -71.10 dBm Freq Offset 1.909 8 GHz -3.984 dBm 0 Hz X Axis Scale Local 5 Log Lin Apr 24, 2024 3:54:21 PM ...

SM-F741B_LTE2_5 M_CSE(30 M-10 G)_Highest Channel_QPSK_1RB

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Spectrum Analyzer 1 Swept SA Ö Frequency Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive #Atten: 20 dB Preamp: Off #Avg Type: Power (RMS 1 2 3 4 5 Trig: Free Run PNO Fast Gate. Off KEYSIGHT Input RF Center Frequency Settings AWWWW Align: Auto 5.015000000 GHz IF Gain: Low Sig Track: Off AAAAAA LXI Mkr1 6.046 9 GHz 1 Spectrum 9.97000000 GHz -70.908 dBm Scale/Div 10 dB Ref Level 10.00 dBm Swept Span Zero Span 02 Full Span Start Freq 30.000000 MHz Stop Freq **1** 10.000000000 GHz **AUTO TUNE** #Video BW 3.0 MHz Stop 10.000 GHz Sweep ~18.7 ms (20001 pts) Start 30 MHz #Res BW 1.0 MHz CF Step 997.000000 MHz 5 Marker Table Auto Man Function Width Scale Function Function Value Mode 6.046 9 GHz -70.91 dBm Freq Offset 1.850 5 GHz -3.641 dBm 0 Hz X Axis Scale Local 5 Log Lin Apr 24, 2024 3:56:57 PM ...

SM-F741B_LTE2_10 M_CSE(30 M-10 G)_Lowest Channel_QPSK_1RB

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SM-F741B_LTE2_10 M_CSE(30 M-10 G)_Middle Channel_QPSK_1RB

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Spectrum Analyzer 1 Swept SA Ö Frequency Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive #Atten: 20 dB Preamp: Off #Avg Type: Power (RMS 1 2 3 4 Trig: Free Run PNO Fast Gate. Off KEYSIGHT Input RF Center Frequency Settings AWWWW Align: Auto 5.015000000 GHz IF Gain: Low Sig Track: Off AAAAAA LXI Mkr1 7.992 5 GHz 1 Spectrum 9.97000000 GHz -69.701 dBm Scale/Div 10 dB Ref Level 10.00 dBm Swept Span Zero Span $\Diamond 2$ Full Span Start Freq 30.000000 MHz Stop Freq 10.000000000 GHz **AUTO TUNE** #Video BW 3.0 MHz Stop 10.000 GHz Sweep ~18.7 ms (20001 pts) Start 30 MHz #Res BW 1.0 MHz CF Step 997.000000 MHz 5 Marker Table Auto Man Function Width Scale Function Function Value Mode 7.992 5 GHz -69.70 dBm Freq Offset 1.909 3 GHz -2.862 dBm 0 Hz X Axis Scale Local 5 Log Lin Apr 24, 2024 4:02:31 PM ...

SM-F741B_LTE2_10 M_CSE(30 M-10 G)_Highest Channel_QPSK_1RB

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SM-F741B_LTE2_15 M_CSE(30 M-10 G)_Lowest Channel_QPSK_1RB

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Spectrum Analyzer 1 Swept SA Ö Frequency Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive #Atten: 20 dB Preamp: Off #Avg Type: Power (RMS 1 2 3 4 5 Trig. Free Run PNO Fast Gate. Off KEYSIGHT Input RF Center Frequency Settings AWWWW Align: Auto 5.015000000 GHz IF Gain: Low Sig Track: Off AAAAAA LXI Mkr1 9.692 9 GHz 1 Spectrum 9.97000000 GHz -70.312 dBm Scale/Div 10 dB Ref Level 10.00 dBm Swept Span Zero Span 02 Full Span Start Freq 30.000000 MHz Stop Freq 10.000000000 GHz **AUTO TUNE** #Video BW 3.0 MHz Stop 10.000 GHz Sweep ~18.7 ms (20001 pts) Start 30 MHz #Res BW 1.0 MHz CF Step 997.000000 MHz 5 Marker Table Auto Man Function Width Scale Function Function Value Mode 9.692 9 GHz -70.31 dBm Freq Offset 1.873 5 GHz -3.809 dBm 0 Hz X Axis Scale Local 5 Log Lin Apr 24, 2024 4:08:03 PM ...

SM-F741B_LTE2_15 M_CSE(30 M-10 G)_Middle Channel_QPSK_1RB

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Spectrum Analyzer 1 Swept SA Ö Frequency Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive #Atten: 20 dB Preamp: Off #Avg Type: Power (RMS 1 2 3 4 5 Trig: Free Run PNO Fast Gate. Off KEYSIGHT Input RF Center Frequency Settings AWWWW Align: Auto 5.015000000 GHz IF Gain: Low Sig Track: Off AAAAAA LXI Mkr1 9.983 1 GHz 1 Spectrum 9.97000000 GHz -70.450 dBm Scale/Div 10 dB Ref Level 10.00 dBm Swept Span Zero Span $\Diamond 2$ Full Span Start Freq 30.000000 MHz Stop Freq 10.000000000 GHz **AUTO TUNE** #Video BW 3.0 MHz Stop 10.000 GHz Sweep ~18.7 ms (20001 pts) Start 30 MHz #Res BW 1.0 MHz CF Step 997.000000 MHz 5 Marker Table Auto Man Function Width Scale X 9.983 1 GHz Function Function Value Mode -70.45 dBm Freq Offset 1.909 3 GHz -3.638 dBm 0 Hz X Axis Scale Local 5 Log Lin Apr 24, 2024 4:10:39 PM ...

SM-F741B_LTE2_15 M_CSE(30 M-10 G)_Highest Channel_QPSK_1RB

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Spectrum Analyzer 1 Swept SA Ö Frequency Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive #Atten: 20 dB Preamp: Off #Avg Type: Power (RMS 1 2 3 4 5 Trig: Free Run PNO Fast Gate. Off KEYSIGHT Input RF Center Frequency Settings AWWWW Align: Auto 5.015000000 GHz IF Gain: Low Sig Track: Off AAAAAA LXI Mkr1 8.305 6 GHz 1 Spectrum 9.97000000 GHz -70.748 dBm Scale/Div 10 dB Ref Level 10.00 dBm Swept Span Zero Span 02 Full Span Start Freq 30.000000 MHz Stop Freq 10.000000000 GHz **AUTO TUNE** Stop 10.000 GHz Sweep ~18.7 ms (20001 pts) #Video BW 3.0 MHz Start 30 MHz #Res BW 1.0 MHz CF Step 997.000000 MHz 5 Marker Table Auto Man Function Width Scale X 8.305 6 GHz Function Function Value Mode -70.75 dBm Freq Offset 1.851 0 GHz -3.483 dBm 0 Hz X Axis Scale Local 5 Log Lin Apr 24, 2024 4:13:16 PM ...

SM-F741B_LTE2_20 M_CSE(30 M-10 G)_Lowest Channel_QPSK_1RB

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SM-F741B_LTE2_20 M_CSE(30 M-10 G)_Middle Channel_QPSK_1RB

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Spectrum Analyzer 1 Swept SA Ö Frequency Input Z 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive #Atten: 20 dB Preamp: Off #Avg Type: Power (RMS 1 2 3 4 1 Trig: Free Run PNO Fast Gate. Off KEYSIGHT Input RF Center Frequency Settings AWWWW Align: Auto 5.015000000 GHz IF Gain: Low Sig Track: Off AAAAAA LXI Mkr1 3.729 9 GHz 1 Spectrum 9.97000000 GHz -70.681 dBm Scale/Div 10 dB Ref Level 10.00 dBm Swept Span Zero Span $\Diamond 2$ Full Span Start Freq 30.000000 MHz Stop Freq 10.000000000 GHz **AUTO TUNE** #Video BW 3.0 MHz Stop 10.000 GHz Sweep ~18.7 ms (20001 pts) Start 30 MHz #Res BW 1.0 MHz CF Step 997.000000 MHz 5 Marker Table Auto Man Function Width Scale Function Function Value Mode 3.729 9 GHz 1.908 8 GHz -70.68 dBm Freq Offset -3.697 dBm 0 Hz X Axis Scale Local 5 Log Lin Apr 24, 2024 4:18:45 PM ...

SM-F741B_LTE2_20 M_CSE(30 M-10 G)_Highest Channel_QPSK_1RB

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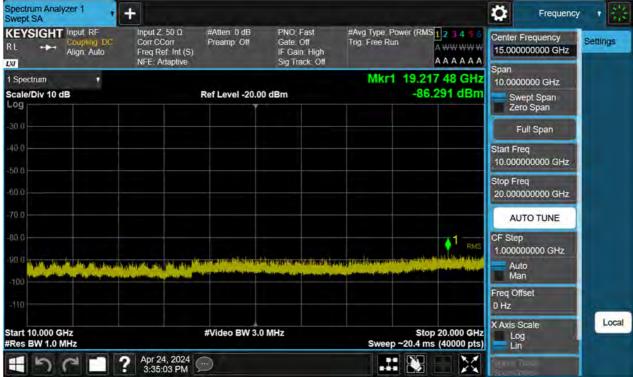
Spectrum Analyzer 1 Swept SA Ö Frequency Input Z, 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive #Atten: 0 dB Preamp. Off #Avg Type: Power (RMS 1 2 3 4 5 PNO Fast Gate Off KEYSIGHT Input RF Center Frequency Settings AWWWW Align: Auto 15.000000000 GHz IF Gain: High Sig Track: Off ANNNNN LXI Mkr1 19.541 49 GHz 1 Spectrum 10.0000000 GHz -87.194 dBm Scale/Div 10 dB Ref Level -20.00 dBm Swept Span Zero Span Full Span Start Freq 10.000000000 GHz 20.000000000 GHz **AUTO TUNE** CF Step 1.000000000 GHz VI Auto Man Freq Offset 0 Hz Local X Axis Scale Start 10.000 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Stop 20.000 GHz Log Lin Sweep ~20.4 ms (40000 pts) ? Apr 24, 2024 3:31:45 PM

SM-F741B_LTE2_1.4 M_CSE(10 G-20 G)_Lowest Channel_QPSK_1RB

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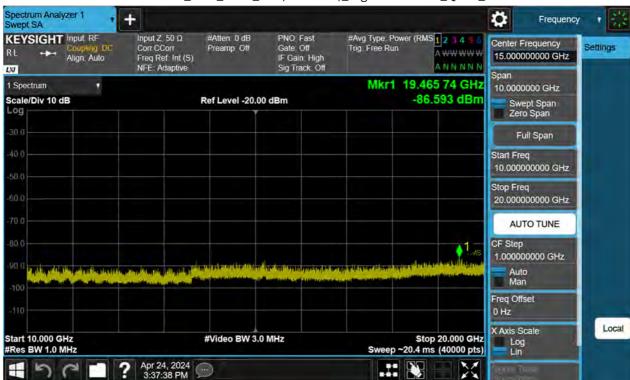


SM-F741B_LTE2_1.4 M_CSE(10 G-20 G)_Middle Channel_QPSK_1RB Ö



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 $SM\text{-}F741B_LTE2_1.4\ M_CSE(10\ G\text{-}20\ G)_Highest\ Channel_QPSK_1RB$

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Spectrum Analyzer 1 Swept SA Ö Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive #Atten: 0 dB Preamp: Off #Avg Type: Power (RMS 1 2 3 4 1 Trig: Free Run PNO Fast Gate Off KEYSIGHT Input RF Center Frequency Settings AWWWW Align: Auto 15.000000000 GHz IF Gain: High Sig Track: Off AAAAAA LXI Mkr1 19.981 00 GHz 1 Spectrum 10.0000000 GHz -87.536 dBm Scale/Div 10 dB Ref Level -20.00 dBm Swept Span Zero Span Full Span Start Freq 10.000000000 GHz 20.000000000 GHz **AUTO TUNE** CF Step 1.000000000 GHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 10.000 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Stop 20.000 GHz Log Lin Sweep ~20.4 ms (40000 pts)

Apr 24, 2024 3:40:15 PM

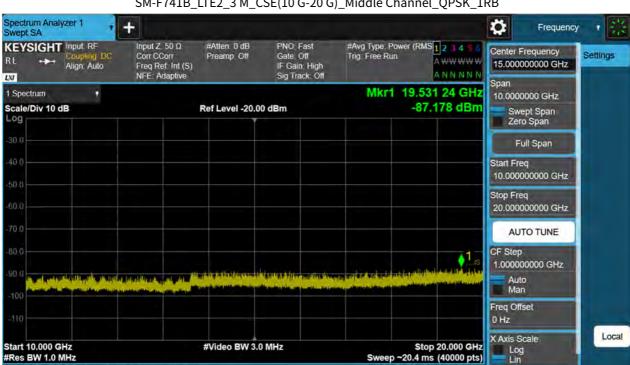
?

SM-F741B_LTE2_3 M_CSE(10 G-20 G)_Lowest Channel_QPSK_1RB

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Apr 24, 2024 3:43:33 PM

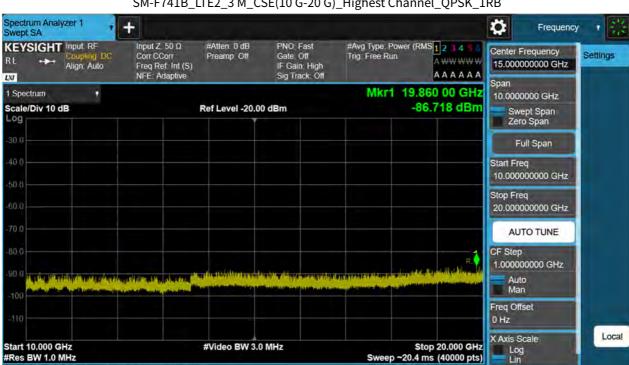


SM-F741B_LTE2_3 M_CSE(10 G-20 G)_Middle Channel_QPSK_1RB

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Apr 24, 2024 3:46:08 PM



SM-F741B_LTE2_3 M_CSE(10 G-20 G)_Highest Channel_QPSK_1RB

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Apr 24, 2024 3:48:45 PM

SM-F741B_LTE2_5 M_CSE(10 G-20 G)_Lowest Channel_QPSK_1RB Spectrum Analyzer 1 Swept SA Ö Frequency Input Z, 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive #Atten: 0 dB Preamp. Off #Avg Type: Power (RMS 1 2 3 4 5 PNO Fast Gate Off KEYSIGHT Input RF Center Frequency Settings AWWWW Align: Auto 15.000000000 GHz IF Gain: High Sig Track: Off LXI Mkr1 19.988 25 GHz 1 Spectrum 10.0000000 GHz -86.997 dBm Scale/Div 10 dB Ref Level -20.00 dBm Swept Span Zero Span Full Span Start Freq 10.000000000 GHz 20.000000000 GHz **AUTO TUNE** CF Step 1.000000000 GHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 10.000 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Stop 20.000 GHz Log Lin Sweep ~20.4 ms (40000 pts)

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Apr 24, 2024 3:52:12 PM

Spectrum Analyzer 1 Swept SA Ö Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive #Atten: 0 dB Preamp: Off #Avg Type: Power (RMS 1 2 3 4 1 Trig: Free Run PNO Fast Gate Off KEYSIGHT Input RF Center Frequency Settings AWWWW Align: Auto 15.000000000 GHz IF Gain: High Sig Track: Off AAAAAA LXI Mkr1 19.536 24 GHz 1 Spectrum 10.0000000 GHz -87.001 dBm Scale/Div 10 dB Ref Level -20.00 dBm Swept Span Zero Span Full Span Start Freq 10.000000000 GHz 20.000000000 GHz **AUTO TUNE** CF Step 1.000000000 GHz **(**1 Auto Man Freq Offset 0 Hz Local X Axis Scale Start 10.000 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Stop 20.000 GHz Log Lin Sweep ~20.4 ms (40000 pts)

SM-F741B_LTE2_5 M_CSE(10 G-20 G)_Middle Channel_QPSK_1RB

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SM-F741B_LTE2_5 M_CSE(10 G-20 G)_Highest Channel_QPSK_1RB

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Apr 24, 2024 3:57:23 PM

Spectrum Analyzer 1 Swept SA Ö Frequency Input Z, 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive #Atten: 0 dB Preamp: Off #Avg Type: Power (RMS 1 2 3 4 5 Trig: Free Run PNO Fast Gate Off KEYSIGHT Input RF Center Frequency Settings AWWWW Align: Auto 15.000000000 GHz IF Gain: High Sig Track: Off AAAAAA LXI Mkr1 19.028 73 GHz 1 Spectrum 10.0000000 GHz -86.335 dBm Scale/Div 10 dB Ref Level -20.00 dBm Swept Span Zero Span Full Span Start Freq 10.000000000 GHz 20.000000000 GHz **AUTO TUNE** CF Step 1.000000000 GHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 10.000 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Stop 20.000 GHz Log Lin Sweep ~20.4 ms (40000 pts)

SM-F741B_LTE2_10 M_CSE(10 G-20 G)_Lowest Channel_QPSK_1RB

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Apr 24, 2024 4:00:21 PM

Spectrum Analyzer 1 Swept SA Ö Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive #Atten: 0 dB Preamp: Off #Avg Type: Power (RMS 1 2 3 4 5 Trig: Free Run PNO Fast Gate Off KEYSIGHT Input RF Center Frequency Settings AWWWW Align: Auto 15.000000000 GHz IF Gain: High Sig Track: Off AAAAAA LXI Mkr1 19.928 25 GHz 1 Spectrum 10.0000000 GHz -86.259 dBm Scale/Div 10 dB Ref Level -20.00 dBm Swept Span Zero Span Full Span Start Freq 10.000000000 GHz 20.000000000 GHz **AUTO TUNE** CF Step 1.000000000 GHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 10.000 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Stop 20.000 GHz Log Lin Sweep ~20.4 ms (40000 pts)

SM-F741B_LTE2_10 M_CSE(10 G-20 G)_Middle Channel_QPSK_1RB

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Spectrum Analyzer 1 Swept SA Ö Frequency Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) NFE: Adaptive #Atten: 0 dB Preamp: Off #Avg Type: Power (RMS 1 2 3 4 1 Trig: Free Run PNO Fast Gate Off KEYSIGHT Input RF Center Frequency Settings AWWWW Align: Auto 15.000000000 GHz IF Gain: High Sig Track: Off AAAAAA LXI Mkr1 19.916 00 GHz 1 Spectrum 10.0000000 GHz -86.987 dBm Scale/Div 10 dB Ref Level -20.00 dBm Swept Span Zero Span Full Span Start Freq 10.000000000 GHz 20.000000000 GHz **AUTO TUNE** CF Step 1.000000000 GHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 10.000 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Stop 20.000 GHz Log Lin Sweep ~20.4 ms (40000 pts) ? Apr 24, 2024 4:02:56 PM

SM-F741B_LTE2_10 M_CSE(10 G-20 G)_Highest Channel_QPSK_1RB

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Apr 24, 2024 4:05:33 PM

Spectrum Analyzer 1 Swept SA Ö Frequency Input Z, 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive #Atten: 0 dB Preamp. Off #Avg Type: Power (RMS 1 2 3 4 5 PNO Fast Gate Off KEYSIGHT Input RF Center Frequency Settings AWWWW Align: Auto 15.000000000 GHz IF Gain: High Sig Track: Off ANNNNN LXI Mkr1 19.529 99 GHz 1 Spectrum 10.0000000 GHz -86.894 dBm Scale/Div 10 dB Ref Level -20.00 dBm Swept Span Zero Span Full Span Start Freq 10.000000000 GHz 20.000000000 GHz **AUTO TUNE** CF Step 1.000000000 GHz **₹**1 Auto Man Freq Offset 0 Hz Local X Axis Scale Start 10.000 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Stop 20.000 GHz Log Lin Sweep ~20.4 ms (40000 pts)

SM-F741B_LTE2_15 M_CSE(10 G-20 G)_Lowest Channel_QPSK_1RB

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Apr 24, 2024 4:08:28 PM

Spectrum Analyzer 1 Swept SA Ö Frequency Input Z, 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive #Atten: 0 dB Preamp: Off #Avg Type: Power (RMS 1 2 3 4 1 Trig: Free Run PNO Fast Gate Off KEYSIGHT Input RF Center Frequency Settings AWWWW Align: Auto 15.000000000 GHz IF Gain: High Sig Track: Off AAAAAA LXI Mkr1 19.433 49 GHz 1 Spectrum 10.0000000 GHz -87.260 dBm Scale/Div 10 dB Ref Level -20.00 dBm Swept Span Zero Span Full Span Start Freq 10.000000000 GHz 20.000000000 GHz **AUTO TUNE** CF Step 1.000000000 GHz ↑1._{MS} Auto Man Freq Offset 0 Hz Local X Axis Scale Start 10.000 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Stop 20.000 GHz Log Lin Sweep ~20.4 ms (40000 pts)

SM-F741B_LTE2_15 M_CSE(10 G-20 G)_Middle Channel_QPSK_1RB

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Log Lin

Sweep ~20.4 ms (40000 pts)



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Apr 24, 2024 4:11:04 PM

Spectrum Analyzer 1 Swept SA Ö Frequency Input Z, 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive #Atten: 0 dB Preamp. Off #Avg Type: Power (RMS 1 2 3 4 5 Trig: Free Run PNO Fast Gate Off KEYSIGHT Input RF Center Frequency Settings AWWWW Align: Auto 15.000000000 GHz IF Gain: High Sig Track: Off AAAAAA LXI Mkr1 18.478 71 GHz 1 Spectrum 10.0000000 GHz -86.781 dBm Scale/Div 10 dB Ref Level -20.00 dBm Swept Span Zero Span Full Span Start Freq 10.000000000 GHz 20.000000000 GHz **AUTO TUNE** CF Step 1.000000000 GHz 1 Auto Man Freq Offset 0 Hz Local X Axis Scale Start 10.000 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Stop 20.000 GHz

SM-F741B_LTE2_15 M_CSE(10 G-20 G)_Highest Channel_QPSK_1RB

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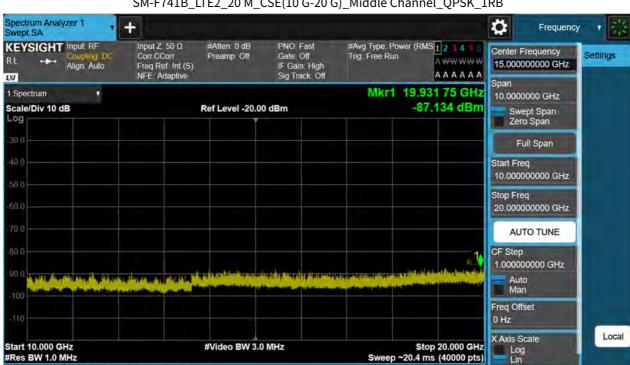
Spectrum Analyzer 1 Swept SA Ö Frequency Input Z, 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive #Atten: 0 dB Preamp: Off #Avg Type: Power (RMS 1 2 3 4 1 PNO Fast Gate Off KEYSIGHT Input RF Center Frequency Settings AWWWW Align: Auto 15.000000000 GHz IF Gain: High Sig Track: Off AAAAAA LXI Mkr1 18.520 21 GHz 1 Spectrum 10.0000000 GHz -86.841 dBm Scale/Div 10 dB Ref Level -20.00 dBm Swept Span Zero Span Full Span Start Freq 10.000000000 GHz 20.000000000 GHz **AUTO TUNE** CF Step 1.000000000 GHz **≬**1 Auto Man Freq Offset 0 Hz Local X Axis Scale Start 10.000 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Stop 20.000 GHz Log Lin Sweep ~20.4 ms (40000 pts) Apr 24, 2024 4:13:41 PM

SM-F741B_LTE2_20 M_CSE(10 G-20 G)_Lowest Channel_QPSK_1RB

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SM-F741B_LTE2_20 M_CSE(10 G-20 G)_Middle Channel_QPSK_1RB

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Spectrum Analyzer 1 Swept SA Ö Frequency Input Z, 50 Ω Corr CCorr Freq Ref. Int (S) NFE: Adaptive #Atten: 0 dB Preamp: Off #Avg Type: Power (RMS 1 2 3 4 5 Trig: Free Run PNO Fast Gate Off KEYSIGHT Input RF Center Frequency Settings AWWWW Align: Auto 15.000000000 GHz IF Gain: High Sig Track: Off AAAAAA LXI Mkr1 19.570 99 GHz 1 Spectrum 10.0000000 GHz -86.682 dBm Scale/Div 10 dB Ref Level -20.00 dBm Swept Span Zero Span Full Span Start Freq 10.000000000 GHz 20.000000000 GHz **AUTO TUNE** CF Step 1.000000000 GHz Auto Man Freq Offset 0 Hz Local X Axis Scale Start 10.000 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Stop 20.000 GHz Log Lin

Apr 24, 2024 4:19:10 PM

?

Sweep ~20.4 ms (40000 pts)

SM-F741B_LTE2_20 M_CSE(10 G-20 G)_Highest Channel_QPSK_1RB

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13. ANNEX A_ TEST SETUP PHOTO

Please refer to test setup photo file no. as follows;

No.	Description
1	HCT-RF-2405-FC002-P

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