



n77(3450~3550 MHz)\_50 M\_Conducted Spurious(30 M-10 G)\_High\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 231 of 760





n77(3450~3550 MHz)\_60 M\_Conducted Spurious(30 M-10 G)\_Low\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 232 of 760





n77(3450~3550 MHz)\_60 M\_Conducted Spurious(30 M-10 G)\_Mid\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 233 of 760





n77(3450~3550 MHz)\_60 M\_Conducted Spurious(30 M-10 G)\_High\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 234 of 760

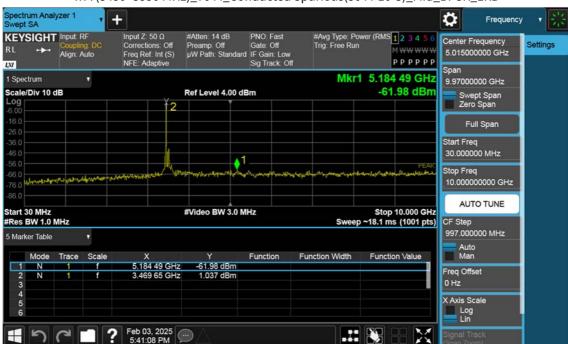




n77(3450~3550 MHz)\_70 M\_Conducted Spurious(30 M-10 G)\_Low\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 235 of 760





# n77(3450~3550 MHz)\_70 M\_Conducted Spurious(30 M-10 G)\_Mid\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 236 of 760





n77(3450~3550 MHz)\_70 M\_Conducted Spurious(30 M-10 G)\_High\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 237 of 760





n77(3450~3550 MHz)\_80 M\_Conducted Spurious(30 M-10 G)\_Low\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 238 of 760



#### pectrum Analyzer 1 wept SA ø Frequency Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive #Atten: 14 dB PNO: Fast Preamp: Off Gate: Off µW Path: Standard IF Gain: Low Sig Track: Off KEYSIGHT Input RF #Avg Type: Power (RMS 1 2 3 4 5 ( Trig: Free Run Settings 5.015000000 GHz PPPPPP ĻΧI Mkr1 7.198 43 GHz 1 Spectrum 9.97000000 GHz -61.79 dBm Scale/Div 10 dB Ref Level 4.00 dBm Swept Span Zero Span 2 Full Span Start Freq 30.000000 MHz **♦**1 Stop Freq 10.000000000 GHz **AUTO TUNE** Stop 10.000 GHz Sweep ~18.1 ms (1001 pts) Start 30 MHz #Res BW 1.0 MHz #Video BW 3.0 MHz CF Step 997.000000 MHz 5 Marker Table Auto Man Function Width Function Value Freq Offset 0 Hz X Axis Scale Log Lin Feb 03, 2025 5:53:16 PM .:. ¥

n77(3450~3550 MHz)\_80 M\_Conducted Spurious(30 M-10 G)\_Mid\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 239 of 760





n77(3450~3550 MHz)\_80 M\_Conducted Spurious(30 M-10 G)\_High\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 240 of 760

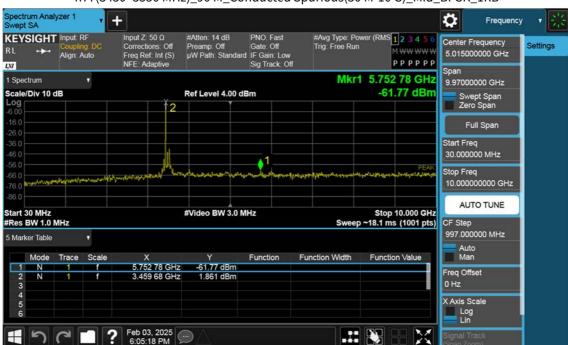




n77(3450~3550 MHz)\_90 M\_Conducted Spurious(30 M-10 G)\_Low\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 241 of 760





n77(3450~3550 MHz)\_90 M\_Conducted Spurious(30 M-10 G)\_Mid\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 242 of 760





n77(3450~3550 MHz)\_90 M\_Conducted Spurious(30 M-10 G)\_High\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 243 of 760

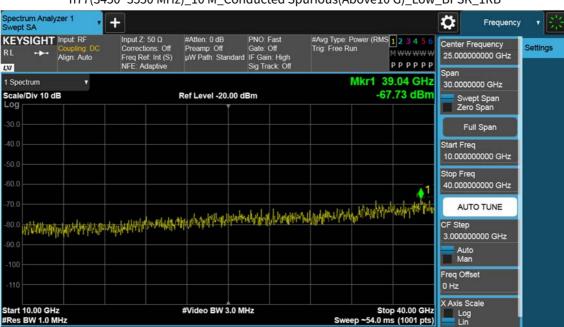




n77(3450~3550 MHz)\_100 M\_Conducted Spurious(30 M-10 G)\_Low\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 244 of 760





.::

? Feb 03, 2025 4:02:31 PM

# n77(3450~3550 MHz)\_10 M\_Conducted Spurious(Above10 G)\_Low\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 245 of 760



#### pectrum Analyzer 1 wept SA ø Frequency Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive KEYSIGHT Input RF #Avg Type: Power (RMS 1 2 3 4 5 ( Trig: Free Run Settings 25.000000000 GHz PPPPPP ĻΧI Mkr1 40.00 GHz 1 Spectrum 30.0000000 GHz Scale/Div 10 dB -67.53 dBm Ref Level -20.00 dBm Swept Span Zero Span Full Span Start Freq 10.000000000 GHz Stop Freq 40.000000000 GHz nak arturfali derindir deri konderfali fortelik in falik om derind konstruent fortelik in stelle film bester b **AUTO TUNE** the principal such principal and marking to want CF Step 3.000000000 GHz Auto Man Freq Offset 0 Hz X Axis Scale Start 10.00 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Stop 40.00 GHz Sweep ~54.0 ms (1001 pts)

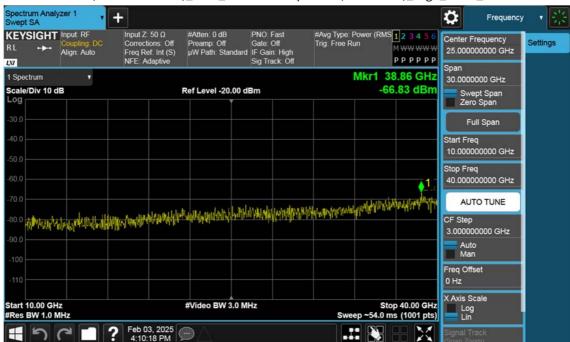
.::

? Feb 03, 2025 4:06:36 PM

# n77(3450~3550 MHz)\_10 M\_Conducted Spurious(Above10 G)\_Mid\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 246 of 760

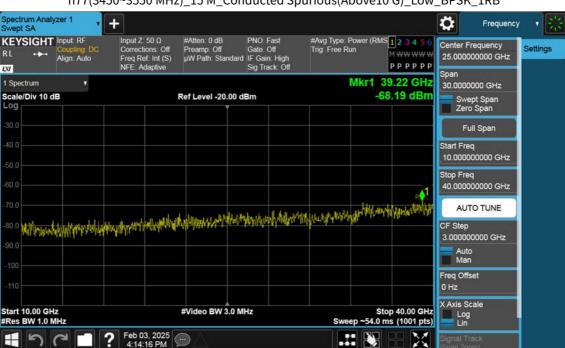




n77(3450~3550 MHz)\_10 M\_Conducted Spurious(Above10 G)\_High\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 247 of 760





n77(3450~3550 MHz)\_15 M\_Conducted Spurious(Above10 G)\_Low\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 248 of 760



### pectrum Analyzer 1 wept SA ø Frequency Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive KEYSIGHT Input RF #Avg Type: Power (RMS 1 2 3 4 5 ( Trig: Free Run Settings 25.000000000 GHz PPPPPP ĻΧI Mkr1 39.64 GHz 1 Spectrum 30.0000000 GHz -67.20 dBm Scale/Div 10 dB Ref Level -20.00 dBm Swept Span Zero Span Full Span Start Freq 10.000000000 GHz Stop Freq 40.000000000 GHz atributed and and the street and attitude of a comparing of a state of a comparing of the state of the contract of the contrac **AUTO TUNE** CF Step 3.000000000 GHz Auto Man Freq Offset 0 Hz X Axis Scale Start 10.00 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Stop 40.00 GHz Sweep ~54.0 ms (1001 pts)

.::

? Feb 03, 2025 4:18:19 PM

n77(3450~3550 MHz)\_15 M\_Conducted Spurious(Above10 G)\_Mid\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 249 of 760





n77(3450~3550 MHz)\_15 M\_Conducted Spurious(Above10 G)\_High\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 250 of 760



### pectrum Analyzer 1 wept SA ø Frequency Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive KEYSIGHT Input RF #Avg Type: Power (RMS 1 2 3 4 5 ( Trig: Free Run Settings 25.000000000 GHz PPPPPP ĻΧI Mkr1 39.13 GHz 1 Spectrum 30.0000000 GHz Scale/Div 10 dB -66.79 dBm Ref Level -20.00 dBm Swept Span Zero Span Full Span Start Freq 10.000000000 GHz Stop Freq 40.000000000 GHz Afterfalleren of the forest principles as posterior profession profession by the forest of the fores **AUTO TUNE** CF Step 3.000000000 GHz Auto Man Freq Offset 0 Hz X Axis Scale Start 10.00 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Stop 40.00 GHz Sweep ~54.0 ms (1001 pts)

.::

? Feb 03, 2025 4:26:00 PM

n77(3450~3550 MHz)\_20 M\_Conducted Spurious(Above10 G)\_Low\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 251 of 760



# pectrum Analyzer 1 wept SA ø Frequency Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive KEYSIGHT Input RF #Avg Type: Power (RMS 1 2 3 4 5 ( Trig: Free Run Settings 25.000000000 GHz PPPPPP ĻΧI Mkr1 38.83 GHz 1 Spectrum 30.0000000 GHz Scale/Div 10 dB -67.91 dBm Ref Level -20.00 dBm Swept Span Zero Span Full Span Start Freq 10.000000000 GHz Stop Freq 40.000000000 GHz parter front of the control to control to the control of the control of the finish of the control of the contro **AUTO TUNE** CF Step 3.000000000 GHz Auto Man Freq Offset 0 Hz X Axis Scale Start 10.00 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Stop 40.00 GHz Sweep ~54.0 ms (1001 pts)

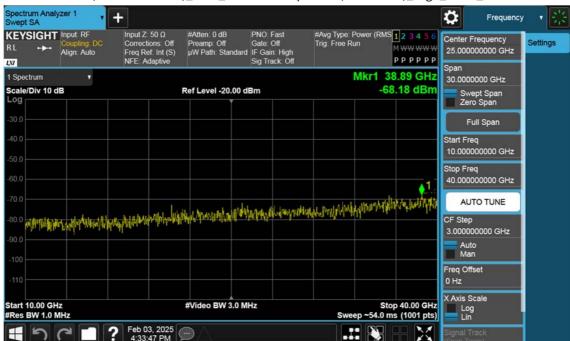
.::

? Feb 03, 2025 4:30:04 PM

n77(3450~3550 MHz)\_20 M\_Conducted Spurious(Above10 G)\_Mid\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 252 of 760





n77(3450~3550 MHz)\_20 M\_Conducted Spurious(Above10 G)\_High\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 253 of 760



### pectrum Analyzer 1 wept SA ø Frequency Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive KEYSIGHT Input RF #Avg Type: Power (RMS 1 2 3 4 5 ( Trig: Free Run Settings 25.000000000 GHz PPPPPP ĻΧI Mkr1 39.64 GHz 1 Spectrum 30.0000000 GHz Scale/Div 10 dB -66.66 dBm Ref Level -20.00 dBm Swept Span Zero Span Full Span Start Freq 10.000000000 GHz Stop Freq 40.000000000 GHz coming to all the contraction of **AUTO TUNE** CF Step 3.000000000 GHz Auto Man Freq Offset 0 Hz X Axis Scale Start 10.00 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Stop 40.00 GHz Sweep ~54.0 ms (1001 pts)

.:. 🎉

? Feb 03, 2025 4:37:48 PM

n77(3450~3550 MHz)\_25 M\_Conducted Spurious(Above10 G)\_Low\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 254 of 760



# pectrum Analyzer 1 wept SA ø Frequency Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive KEYSIGHT Input RF #Avg Type: Power (RMS 1 2 3 4 5 ( Trig: Free Run Settings 25.000000000 GHz PPPPPP ĻΧI Mkr1 39.10 GHz 1 Spectrum 30.0000000 GHz Scale/Div 10 dB -66.67 dBm Ref Level -20.00 dBm Swept Span Zero Span Full Span Start Freq 10.000000000 GHz Stop Freq 40.000000000 GHz Betrack before the total distriction of the state of the **AUTO TUNE** CF Step 3.000000000 GHz Auto Man Freq Offset 0 Hz X Axis Scale Start 10.00 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Stop 40.00 GHz Sweep ~54.0 ms (1001 pts)

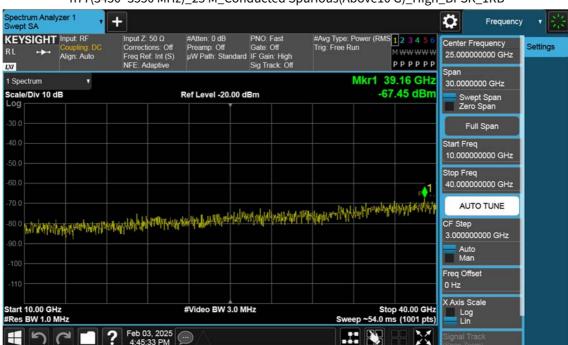
.::

? Feb 03, 2025 4:41:51 PM

# n77(3450~3550 MHz)\_25 M\_Conducted Spurious(Above10 G)\_Mid\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 255 of 760





n77(3450~3550 MHz)\_25 M\_Conducted Spurious(Above10 G)\_High\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 256 of 760



## pectrum Analyzer 1 wept SA ø Frequency KEYSIGHT Input RF Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) #Avg Type: Power (RMS 1 2 3 4 5 ( Trig: Free Run Settings 25.000000000 GHz PPPPPP ĻΧI Mkr1 39.13 GHz 1 Spectrum 30.0000000 GHz Scale/Div 10 dB -67.20 dBm Ref Level -20.00 dBm Swept Span Zero Span Full Span Start Freq 10.000000000 GHz Stop Freq 40.000000000 GHz determinente de de agrapia de tata de domina de produción de produción de sente de desta de sente de desta de **AUTO TUNE** CF Step 3.000000000 GHz Auto Man Freq Offset 0 Hz X Axis Scale Start 10.00 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Stop 40.00 GHz Sweep ~54.0 ms (1001 pts) ? Feb 03, 2025 4:49:37 PM .:. 🎉

n77(3450~3550 MHz)\_30 M\_Conducted Spurious(Above10 G)\_Low\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 257 of 760



# pectrum Analyzer 1 wept SA ø Frequency Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive KEYSIGHT Input RF #Avg Type: Power (RMS 1 2 3 4 5 ( Trig: Free Run Settings 25.000000000 GHz PPPPPP ĻΧI Mkr1 39.70 GHz 1 Spectrum 30.0000000 GHz Scale/Div 10 dB -67.41 dBm Ref Level -20.00 dBm Swept Span Zero Span Full Span Start Freq 10.000000000 GHz Stop Freq 40.000000000 GHz to formation of the first the contract of the first of the first of the first of the second of the s **AUTO TUNE** CF Step 3.000000000 GHz Auto Man Freq Offset 0 Hz X Axis Scale Start 10.00 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Stop 40.00 GHz Sweep ~54.0 ms (1001 pts)

.::

? Feb 03, 2025 4:53:41 PM

n77(3450~3550 MHz)\_30 M\_Conducted Spurious(Above10 G)\_Mid\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 258 of 760





n77(3450~3550 MHz)\_30 M\_Conducted Spurious(Above10 G)\_High\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 259 of 760



# pectrum Analyzer 1 wept SA ø Frequency Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive KEYSIGHT Input RF #Avg Type: Power (RMS 1 2 3 4 5 ( Trig: Free Run Settings 25.000000000 GHz PPPPPP ĻΧI Mkr1 38.68 GHz 1 Spectrum 30.0000000 GHz Scale/Div 10 dB -67.47 dBm Ref Level -20.00 dBm Swept Span Zero Span Full Span Start Freq 10.000000000 GHz Stop Freq 40.000000000 GHz 图中心中国中国的国际中国的一种国际中国的社会中国的国际中心的特别的现在分词特别的国际中国的国际中国的政策中国的政策中国的政策中国的国际社会工程制度与1997年中国的国际 **AUTO TUNE** CF Step 3.000000000 GHz Auto Man Freq Offset 0 Hz X Axis Scale Start 10.00 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Stop 40.00 GHz Sweep ~54.0 ms (1001 pts)

.:. 🎉

? Feb 03, 2025 5:01:31 PM

n77(3450~3550 MHz)\_40 M\_Conducted Spurious(Above10 G)\_Low\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 260 of 760



### pectrum Analyzer 1 wept SA ø Frequency Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive KEYSIGHT Input RF #Avg Type: Power (RMS 1 2 3 4 5 ( Trig: Free Run Settings 25.000000000 GHz PPPPPP ĻΧI Mkr1 38.05 GHz 1 Spectrum 30.0000000 GHz Scale/Div 10 dB -66.97 dBm Ref Level -20.00 dBm Swept Span Zero Span Full Span Start Freq 10.000000000 GHz Stop Freq 40.000000000 GHz popular professor professor professor index and a fill the professor of the circular professor in the profes AUTO TUNE CF Step 3.000000000 GHz Auto Man Freq Offset 0 Hz X Axis Scale Start 10.00 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Stop 40.00 GHz Sweep ~54.0 ms (1001 pts)

.::

? Feb 03, 2025 5:05:36 PM

n77(3450~3550 MHz)\_40 M\_Conducted Spurious(Above10 G)\_Mid\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 261 of 760





n77(3450~3550 MHz)\_40 M\_Conducted Spurious(Above10 G)\_High\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 262 of 760



### pectrum Analyzer 1 wept SA ø Frequency Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive KEYSIGHT Input RF #Avg Type: Power (RMS 1 2 3 4 5 ( Trig: Free Run Settings 25.000000000 GHz PPPPPP ĻΧI Mkr1 36.25 GHz 1 Spectrum 30.0000000 GHz Scale/Div 10 dB -68.17 dBm Ref Level -20.00 dBm Swept Span Zero Span Full Span Start Freq 10.000000000 GHz Stop Freq 40.000000000 GHz The plant of the state of the s **AUTO TUNE** CF Step 3.000000000 GHz Auto Man Freq Offset 0 Hz X Axis Scale Start 10.00 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Stop 40.00 GHz Sweep ~54.0 ms (1001 pts) ? Feb 03, 2025 5:13:23 PM

.:. 🎉

n77(3450~3550 MHz)\_50 M\_Conducted Spurious(Above10 G)\_Low\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 263 of 760



# pectrum Analyzer 1 wept SA ø Frequency Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive KEYSIGHT Input RF #Avg Type: Power (RMS 1 2 3 4 5 ( Trig: Free Run Settings 25.000000000 GHz PPPPPP ĻΧI Mkr1 39.07 GHz 1 Spectrum 30.0000000 GHz Scale/Div 10 dB -67.30 dBm Ref Level -20.00 dBm Swept Span Zero Span Full Span Start Freq 10.000000000 GHz Stop Freq 40.000000000 GHz Mostre Hofelengerichen with froheite der of met french from the control of the french from the control of the front of the **AUTO TUNE** CF Step 3.000000000 GHz Auto Man Freq Offset 0 Hz X Axis Scale Start 10.00 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Stop 40.00 GHz Sweep ~54.0 ms (1001 pts)

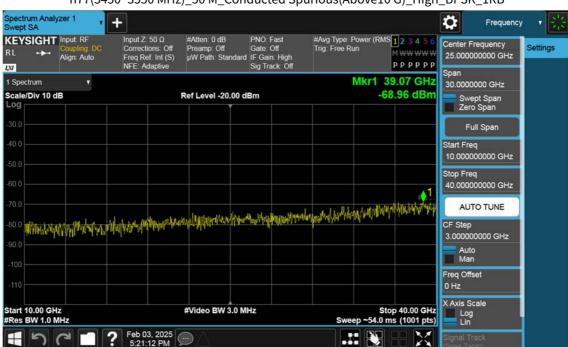
.::

? Feb 03, 2025 5:17:29 PM

# n77(3450~3550 MHz)\_50 M\_Conducted Spurious(Above10 G)\_Mid\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 264 of 760





n77(3450~3550 MHz)\_50 M\_Conducted Spurious(Above10 G)\_High\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 265 of 760



### pectrum Analyzer 1 wept SA ø Frequency Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive KEYSIGHT Input RF #Avg Type: Power (RMS 1 2 3 4 5 ( Trig: Free Run Settings 25.000000000 GHz PPPPPP ĻΧI Mkr1 39.07 GHz 1 Spectrum 30.0000000 GHz Scale/Div 10 dB -67.38 dBm Ref Level -20.00 dBm Swept Span Zero Span Full Span Start Freq 10.000000000 GHz Stop Freq 40.000000000 GHz trails from the second of the second of the second contraction of the second of the se **AUTO TUNE** CF Step 3.000000000 GHz Auto Man Freq Offset 0 Hz X Axis Scale Start 10.00 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Stop 40.00 GHz Sweep ~54.0 ms (1001 pts)

.:. 🎉

? Feb 03, 2025 5:25:13 PM

n77(3450~3550 MHz)\_60 M\_Conducted Spurious(Above10 G)\_Low\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 266 of 760



#### pectrum Analyzer 1 wept SA ø Frequency Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive KEYSIGHT Input RF #Avg Type: Power (RMS 1 2 3 4 5 ( Trig: Free Run Settings 25.000000000 GHz PPPPPP ĻΧI Mkr1 38.71 GHz 1 Spectrum 30.0000000 GHz Scale/Div 10 dB -67.81 dBm Ref Level -20.00 dBm Swept Span Zero Span Full Span Start Freq 10.000000000 GHz Stop Freq 40.000000000 GHz hiteran by went and and the state of the forest property of the special plants of the property of the property of the contract **AUTO TUNE** CF Step 3.000000000 GHz Auto Man Freq Offset 0 Hz X Axis Scale Start 10.00 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Stop 40.00 GHz Sweep ~54.0 ms (1001 pts)

.::

? Feb 03, 2025 5:29:20 PM

## n77(3450~3550 MHz)\_60 M\_Conducted Spurious(Above10 G)\_Mid\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 267 of 760



#### pectrum Analyzer 1 wept SA ø Frequency Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive KEYSIGHT Input RF #Avg Type: Power (RMS 1 2 3 4 5 ( Trig: Free Run Settings 25.000000000 GHz PPPPPP ĻΧI Mkr1 39.16 GHz 1 Spectrum 30.0000000 GHz Scale/Div 10 dB Ref Level -20.00 dBm -67.01 dBm Swept Span Zero Span Full Span Start Freq 10.000000000 GHz Stop Freq 40.000000000 GHz "有大大司子中心自己大司子大型的1000年了,在这个中心不会对于1945年的时间,这个大司子的一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一 **AUTO TUNE** CF Step 3.000000000 GHz Auto Man Freq Offset 0 Hz X Axis Scale Start 10.00 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Stop 40.00 GHz Sweep ~54.0 ms (1001 pts)

.::

? Feb 03, 2025 5:33:03 PM

n77(3450~3550 MHz)\_60 M\_Conducted Spurious(Above10 G)\_High\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 268 of 760



#### pectrum Analyzer 1 wept SA ø Frequency Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive KEYSIGHT Input RF #Avg Type: Power (RMS 1 2 3 4 5 ( Trig: Free Run Settings 25.000000000 GHz PPPPPP ĻΧI Mkr1 39.07 GHz 1 Spectrum 30.0000000 GHz Scale/Div 10 dB -68.20 dBm Ref Level -20.00 dBm Swept Span Zero Span Full Span Start Freq 10.000000000 GHz Stop Freq 40.000000000 GHz hilly grant the plane to desire by the september of the september of the sent the sent of **AUTO TUNE** CF Step 3.000000000 GHz Auto Man Freq Offset 0 Hz X Axis Scale Start 10.00 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Stop 40.00 GHz Sweep ~54.0 ms (1001 pts)

.:. 🎉

? Feb 03, 2025 5:37:12 PM

n77(3450~3550 MHz)\_70 M\_Conducted Spurious(Above10 G)\_Low\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 269 of 760



#### pectrum Analyzer 1 wept SA ø Frequency Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive KEYSIGHT Input RF #Avg Type: Power (RMS 1 2 3 4 5 ( Trig: Free Run Settings 25.000000000 GHz PPPPPP ĻΧI Mkr1 38.77 GHz 1 Spectrum 30.0000000 GHz Scale/Div 10 dB -66.13 dBm Ref Level -20.00 dBm Swept Span Zero Span Full Span Start Freq 10.000000000 GHz Stop Freq 40.000000000 GHz prison-considerated the properties of the control of the properties of the control of the properties of the properties of the property of the **AUTO TUNE** CF Step 3.000000000 GHz Auto Man Freq Offset 0 Hz X Axis Scale Start 10.00 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Stop 40.00 GHz Sweep ~54.0 ms (1001 pts)

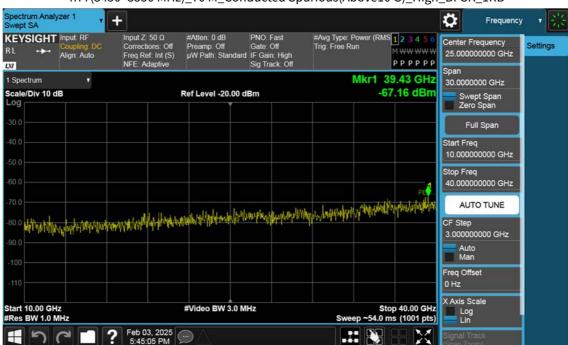
.::

? Feb 03, 2025 5:41:20 PM

## n77(3450~3550 MHz)\_70 M\_Conducted Spurious(Above10 G)\_Mid\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 270 of 760

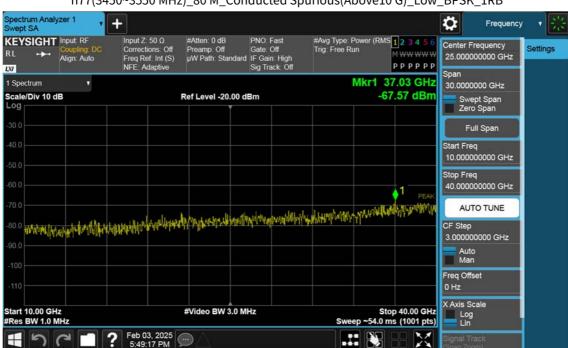




n77(3450~3550 MHz)\_70 M\_Conducted Spurious(Above10 G)\_High\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 271 of 760





n77(3450~3550 MHz)\_80 M\_Conducted Spurious(Above10 G)\_Low\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 272 of 760



#### pectrum Analyzer 1 wept SA ø Frequency Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive KEYSIGHT Input RF #Avg Type: Power (RMS 1 2 3 4 5 ( Trig: Free Run Settings 25.000000000 GHz PPPPPP ĻΧI Mkr1 39.07 GHz 1 Spectrum 30.0000000 GHz Scale/Div 10 dB -68.00 dBm Ref Level -20.00 dBm Swept Span Zero Span Full Span Start Freq 10.000000000 GHz Stop Freq 40.000000000 GHz manighter magaging papers my her and party party party party production of the forest production of the contract of the contra **AUTO TUNE** CF Step 3.000000000 GHz Auto Man Freq Offset 0 Hz X Axis Scale Start 10.00 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Stop 40.00 GHz Sweep ~54.0 ms (1001 pts)

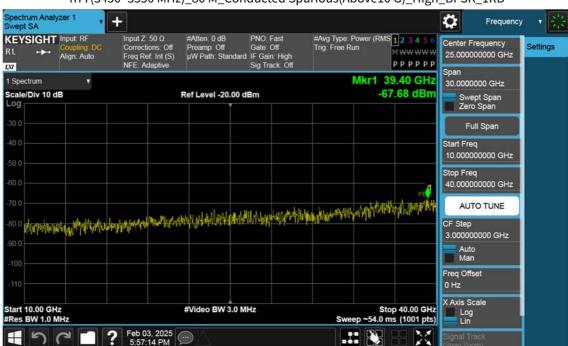
.:. 🎉

? Feb 03, 2025 5:53:28 PM

## n77(3450~3550 MHz)\_80 M\_Conducted Spurious(Above10 G)\_Mid\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 273 of 760

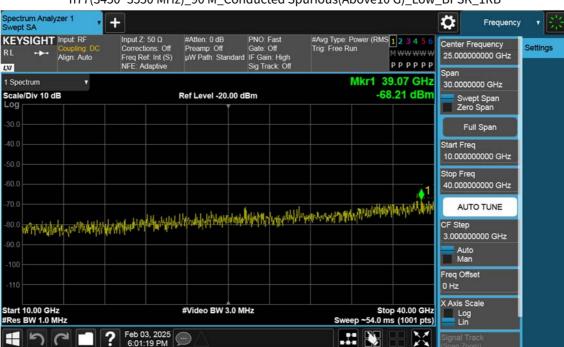




n77(3450~3550 MHz)\_80 M\_Conducted Spurious(Above10 G)\_High\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 274 of 760





n77(3450~3550 MHz)\_90 M\_Conducted Spurious(Above10 G)\_Low\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 275 of 760



#### pectrum Analyzer 1 wept SA ø Frequency Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive KEYSIGHT Input RF #Avg Type: Power (RMS 1 2 3 4 5 ( Trig: Free Run Settings 25.000000000 GHz PPPPPP ĻΧI Mkr1 38.62 GHz 1 Spectrum 30.0000000 GHz Scale/Div 10 dB -66.36 dBm Ref Level -20.00 dBm Swept Span Zero Span Full Span Start Freq 10.000000000 GHz Stop Freq 40.000000000 GHz **AUTO TUNE** CF Step 3.000000000 GHz Auto Man Freq Offset 0 Hz X Axis Scale Start 10.00 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Stop 40.00 GHz Sweep ~54.0 ms (1001 pts)

.::

? Feb 03, 2025 6:05:30 PM

## n77(3450~3550 MHz)\_90 M\_Conducted Spurious(Above10 G)\_Mid\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 276 of 760



#### pectrum Analyzer 1 wept SA ø Frequency Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive KEYSIGHT Input RF #Avg Type: Power (RMS 1 2 3 4 5 ( Trig: Free Run Settings 25.000000000 GHz PPPPPP ĻΧI Mkr1 39.07 GHz 1 Spectrum 30.0000000 GHz -68.75 dBm Scale/Div 10 dB Ref Level -20.00 dBm Swept Span Zero Span Full Span Start Freq 10.000000000 GHz Stop Freq 40.000000000 GHz the collection of the state of **AUTO TUNE** CF Step 3.000000000 GHz Auto Man Freq Offset 0 Hz X Axis Scale Start 10.00 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Stop 40.00 GHz Sweep ~54.0 ms (1001 pts) ? Feb 03, 2025 6:09:18 PM .::

n77(3450~3550 MHz)\_90 M\_Conducted Spurious(Above10 G)\_High\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 277 of 760



#### pectrum Analyzer 1 wept SA ø Frequency Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive KEYSIGHT Input RF #Avg Type: Power (RMS 1 2 3 4 5 ( Trig: Free Run Settings 25.000000000 GHz PPPPPP ĻΧI Mkr1 38.68 GHz 1 Spectrum 30.0000000 GHz Scale/Div 10 dB -68.42 dBm Ref Level -20.00 dBm Swept Span Zero Span Full Span Start Freq 10.000000000 GHz Stop Freq 40.000000000 GHz KARATAK MENTENDAN KEMBENTAN PENTENDAN PENTENDAN PENTENDAN PENTENDAN PENTENDAN PENTENDAN PENTENDAN PENTENDAN PE **AUTO TUNE** CF Step 3.000000000 GHz Auto Man Freq Offset 0 Hz X Axis Scale Start 10.00 GHz #Res BW 1.0 MHz #Video BW 3.0 MHz Stop 40.00 GHz Sweep ~54.0 ms (1001 pts) ? Feb 03, 2025 6:13:24 PM .::

n77(3450~3550 MHz)\_100 M\_Conducted Spurious(Above10 G)\_Low\_BPSK\_1RB

F-TP22-03 (Rev. 06) Page 278 of 760



## n77(3450~3550 MHz)\_10 M\_Band Edge\_Low\_BPSK\_FullRB(1)



F-TP22-03 (Rev. 06) Page 279 of 760



#### Spectrum Analyzer 1 Swept SA ø Frequency Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive #Atten: 14 dB PNO: Best Wide Preamp: Off Gate: Off µW Path: Standard IF Gain: Low Sig Track: Off KEYSIGHT Input RF #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Center Frequency 3.450000000 GHz Settings Align: Auto A A A A A ĻΧI Mkr1 3.449 836 GHz 1 Spectrum Ref LvI Offset 34.55 dB Ref Level 34.55 dBm 4.00000000 MHz -42.708 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 3.448000000 GHz Stop Freq 3.452000000 GHz **AUTO TUNE** CF Step 400.000 kHz **√**1 Auto Man Freq Offset 0 Hz X Axis Scale Span 4.000 MHz #Sweep ~6.03 s (1001 pts) Center 3.450000 GHz #Video BW 100 kHz #Res BW 30 kHz

.::

? Feb 03, 2025 4:00:55 PM

n77(3450~3550 MHz)\_10 M\_Band Edge\_Low\_BPSK\_1RB(1)

F-TP22-03 (Rev. 06) Page 280 of 760



Start 3.445000 GHz

#Res BW 510 kHz

#### Spectrum Analyzer 1 Swept SA ø Frequency Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive #Atten: 14 dB PNO: Best Wide Preamp: Off Gate: Off µW Path: Standard IF Gain: Low Sig Track: Off KEYSIGHT Input RF #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Center Frequency 3.447000000 GHz Settings Align: Auto A A A A A ĻΧI Mkr1 3.448 964 GHz Ref LvI Offset 34.55 dB Ref Level 34.55 dBm 4.00000000 MHz -28.769 dBm Scale/Div 10 dB Log Swept Span Zero Span Full Span Start Freq 3.445000000 GHz Stop Freq 3.449000000 GHz **AUTO TUNE** CF Step 400.000 kHz Auto Man Freq Offset 0 Hz X Axis Scale

Stop 3.449000 GHz

#Sweep ~6.03 s (1001 pts)

.::

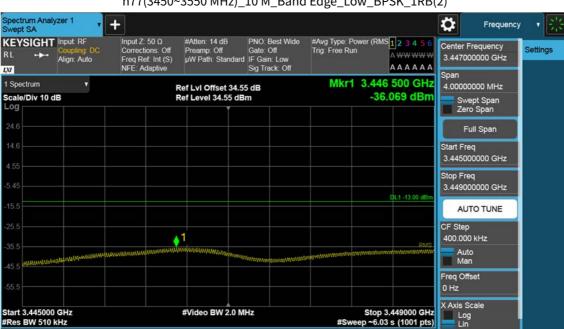
#Video BW 2.0 MHz

? Feb 03, 2025 3:59:58 PM

## n77(3450~3550 MHz)\_10 M\_Band Edge\_Low\_BPSK\_FullRB(2)

F-TP22-03 (Rev. 06) Page 281 of 760





.::

? Feb 03, 2025 4:01:21 PM

n77(3450~3550 MHz)\_10 M\_Band Edge\_Low\_BPSK\_1RB(2)

F-TP22-03 (Rev. 06) Page 282 of 760



## n77(3450~3550 MHz)\_10 M\_Band Edge\_Low\_BPSK\_FullRB(3)



F-TP22-03 (Rev. 06) Page 283 of 760





## n77(3450~3550 MHz)\_10 M\_Band Edge\_Low\_BPSK\_1RB(3)

F-TP22-03 (Rev. 06) Page 284 of 760



# n77(3450~3550 MHz)\_10 M\_Band Edge\_High\_BPSK\_FullRB(1)



F-TP22-03 (Rev. 06) Page 285 of 760





n77(3450~3550 MHz)\_10 M\_Band Edge\_High\_BPSK\_1RB(1)

F-TP22-03 (Rev. 06) Page 286 of 760



#### Spectrum Analyzer 1 Swept SA ø Frequency Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive #Atten: 14 dB PNO: Best Wide Gate: Off pW Path: Standard IF Gain: Low Sig Track: Off KEYSIGHT Input RF #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Center Frequency 3.553000000 GHz Settings Align: Auto A A A A A ĻΧI Mkr1 3.551 004 GHz 1 Spectrum Ref LvI Offset 34.55 dB Ref Level 34.55 dBm 4.00000000 MHz -27.635 dBm Scale/Div 10 dB Log Swept Span Zero Span Full Span Start Freq 3.551000000 GHz Stop Freq 3.555000000 GHz **AUTO TUNE** CF Step 400.000 kHz Auto Man Freq Offset 0 Hz X Axis Scale Start 3.551000 GHz #Video BW 2.0 MHz Stop 3.555000 GHz #Res BW 510 kHz #Sweep ~6.03 s (1001 pts)

.::

? Feb 03, 2025 4:07:44 PM

## n77(3450~3550 MHz)\_10 M\_Band Edge\_High\_BPSK\_FullRB(2)

F-TP22-03 (Rev. 06) Page 287 of 760





## n77(3450~3550 MHz)\_10 M\_Band Edge\_High\_BPSK\_1RB(2)

F-TP22-03 (Rev. 06) Page 288 of 760



#Res BW 1.0 MHz

? Feb 03, 2025 4:08:12 PM

#### Spectrum Analyzer 1 Swept SA ø Frequency Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive #Atten: 14 dB PNO: Fast Preamp: Off Gate: Off µW Path: Standard IF Gain: Low Sig Track: Off KEYSIGHT Input RF #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Center Frequency 3.612500000 GHz Settings Align: Auto A A A A A ĻΧI Mkr1 3.555 23 GHz 1 Spectrum 115.000000 MHz Ref LvI Offset 34.55 dB Ref Level 34.55 dBm -30.355 dBm Scale/Div 10 dB Log Swept Span Zero Span Full Span Start Freq 3.555000000 GHz Stop Freq 3.670000000 GHz **AUTO TUNE** CF Step 11.500000 MHz Auto Man Freq Offset 0 Hz X Axis Scale Stop 3.67000 GHz #Sweep 6.00 s (1001 pts) Start 3.55500 GHz #Video BW 3.0 MHz

.::

## n77(3450~3550 MHz)\_10 M\_Band Edge\_High\_BPSK\_FullRB(3)

F-TP22-03 (Rev. 06) Page 289 of 760





## n77(3450~3550 MHz)\_10 M\_Band Edge\_High\_BPSK\_1RB(3)

F-TP22-03 (Rev. 06) Page 290 of 760



## n77(3450~3550 MHz)\_15 M\_Band Edge\_Low\_BPSK\_FullRB(1)



F-TP22-03 (Rev. 06) Page 291 of 760





n77(3450~3550 MHz)\_15 M\_Band Edge\_Low\_BPSK\_1RB(1)

F-TP22-03 (Rev. 06) Page 292 of 760



# n77(3450~3550 MHz)\_15 M\_Band Edge\_Low\_BPSK\_FullRB(2)



F-TP22-03 (Rev. 06) Page 293 of 760





## n77(3450~3550 MHz)\_15 M\_Band Edge\_Low\_BPSK\_1RB(2)

F-TP22-03 (Rev. 06) Page 294 of 760



# n77(3450~3550 MHz)\_15 M\_Band Edge\_Low\_BPSK\_FullRB(3)



F-TP22-03 (Rev. 06) Page 295 of 760





## n77(3450~3550 MHz)\_15 M\_Band Edge\_Low\_BPSK\_1RB(3)

F-TP22-03 (Rev. 06) Page 296 of 760

Auto Man Freq Offset 0 Hz X Axis Scale

Span 10.00 MHz #Sweep ~6.04 s (1001 pts)

.::



Center 3.550000 GHz #Res BW 200 kHz

#### Spectrum Analyzer 1 Swept SA ø Frequency Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive #Atten: 14 dB PNO: Best Wide Preamp: Off Gate: Off µW Path: Standard IF Gain: Low Sig Track: Off KEYSIGHT Input RF #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Center Frequency 3.550000000 GHz Settings Align: Auto A A A A A ĻΧI Mkr1 3.550 02 GHz Ref LvI Offset 34.55 dB Ref Level 34.55 dBm 10.0000000 MHz -30.768 dBm Scale/Div 10 dB Log Swept Span Zero Span Full Span Start Freq 3.545000000 GHz Stop Freq 3.555000000 GHz **AUTO TUNE** CF Step 1.000000 MHz

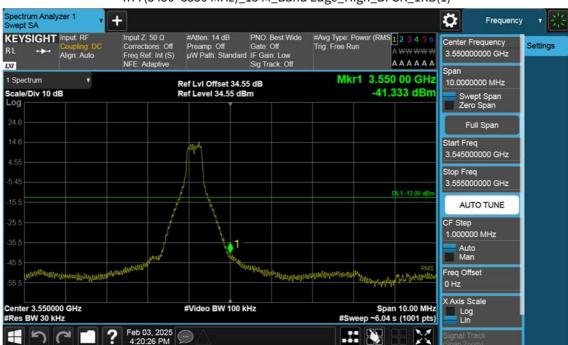
#Video BW 1.0 MHz

? Feb 03, 2025 4:19:01 PM

## n77(3450~3550 MHz)\_15 M\_Band Edge\_High\_BPSK\_FullRB(1)

F-TP22-03 (Rev. 06) Page 297 of 760





n77(3450~3550 MHz)\_15 M\_Band Edge\_High\_BPSK\_1RB(1)

F-TP22-03 (Rev. 06) Page 298 of 760



## n77(3450~3550 MHz)\_15 M\_Band Edge\_High\_BPSK\_FullRB(2)



F-TP22-03 (Rev. 06) Page 299 of 760



#### Spectrum Analyzer 1 Swept SA ø Frequency Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive #Atten: 14 dB PNO: Best Wide Preamp: Off Gate: Off µW Path: Standard IF Gain: Low Sig Track: Off KEYSIGHT Input RF #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Center Frequency 3.553000000 GHz Settings Align: Auto A A A A A ĻΧI Mkr1 3.551 004 GHz 1 Spectrum Ref LvI Offset 34.55 dB Ref Level 34.55 dBm 4.00000000 MHz -37.903 dBm Scale/Div 10 dB Swept Span Zero Span Full Span Start Freq 3.551000000 GHz Stop Freq 3.555000000 GHz **AUTO TUNE** CF Step 400.000 kHz Auto Man Freq Offset 0 Hz X Axis Scale Start 3.551000 GHz #Video BW 2.0 MHz Stop 3.555000 GHz #Res BW 510 kHz #Sweep ~6.03 s (1001 pts) ? Feb 03, 2025 4:20:53 PM .::

## n77(3450~3550 MHz)\_15 M\_Band Edge\_High\_BPSK\_1RB(2)

F-TP22-03 (Rev. 06) Page 300 of 760



#Res BW 1.0 MHz

? Feb 03, 2025 4:19:55 PM

#### Spectrum Analyzer 1 Swept SA ø Frequency Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) NFE: Adaptive #Atten: 14 dB PNO: Fast Preamp: Off Gate: Off µW Path: Standard IF Gain: Low Sig Track: Off KEYSIGHT Input RF #Avg Type: Power (RMS 1 2 3 4 5 6 Trig: Free Run Center Frequency 3.612500000 GHz Settings Align: Auto A A A A A ĻΧI Mkr1 3.555 12 GHz 1 Spectrum 115.000000 MHz Ref LvI Offset 34.55 dB Ref Level 34.55 dBm -29.745 dBm Scale/Div 10 dB Log Swept Span Zero Span Full Span Start Freq 3.555000000 GHz Stop Freq 3.670000000 GHz **AUTO TUNE** CF Step 11.500000 MHz Auto Man Freq Offset 0 Hz X Axis Scale Stop 3.67000 GHz #Sweep 6.00 s (1001 pts) Start 3.55500 GHz #Video BW 3.0 MHz

.::

## n77(3450~3550 MHz)\_15 M\_Band Edge\_High\_BPSK\_FullRB(3)

F-TP22-03 (Rev. 06) Page 301 of 760





.::

? Feb 03, 2025 4:21:20 PM

## n77(3450~3550 MHz)\_15 M\_Band Edge\_High\_BPSK\_1RB(3)

F-TP22-03 (Rev. 06) Page 302 of 760