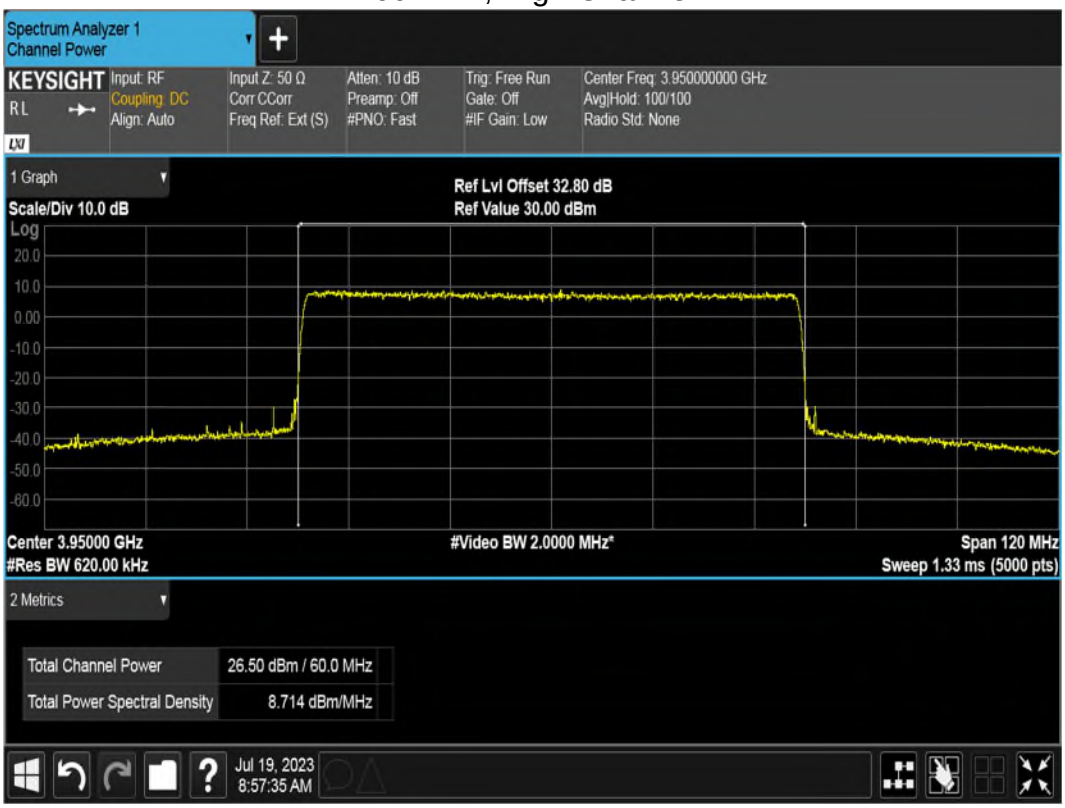
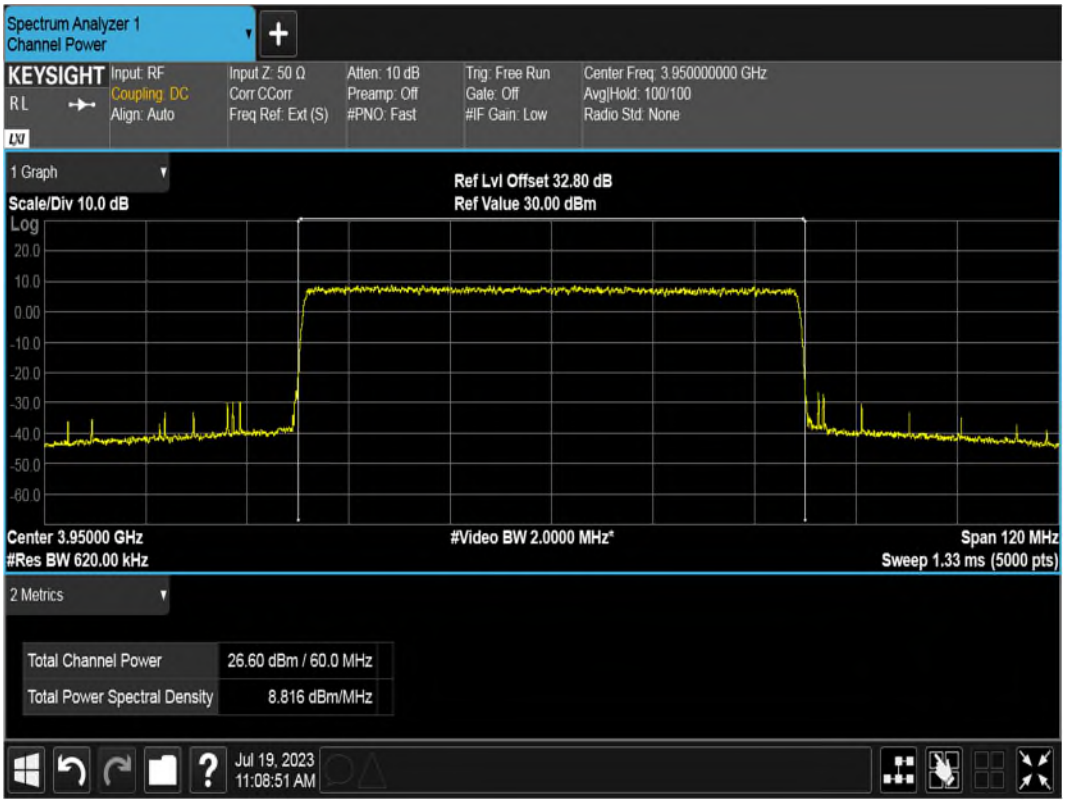
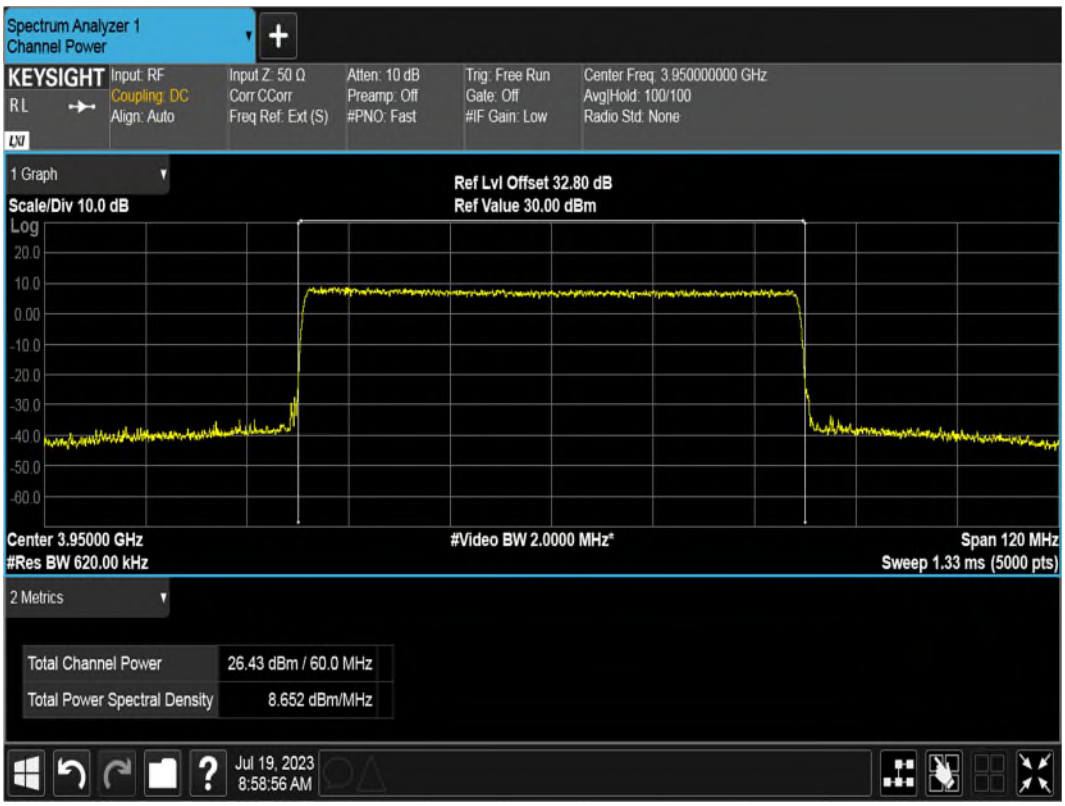
RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 60 MHz, High Channel



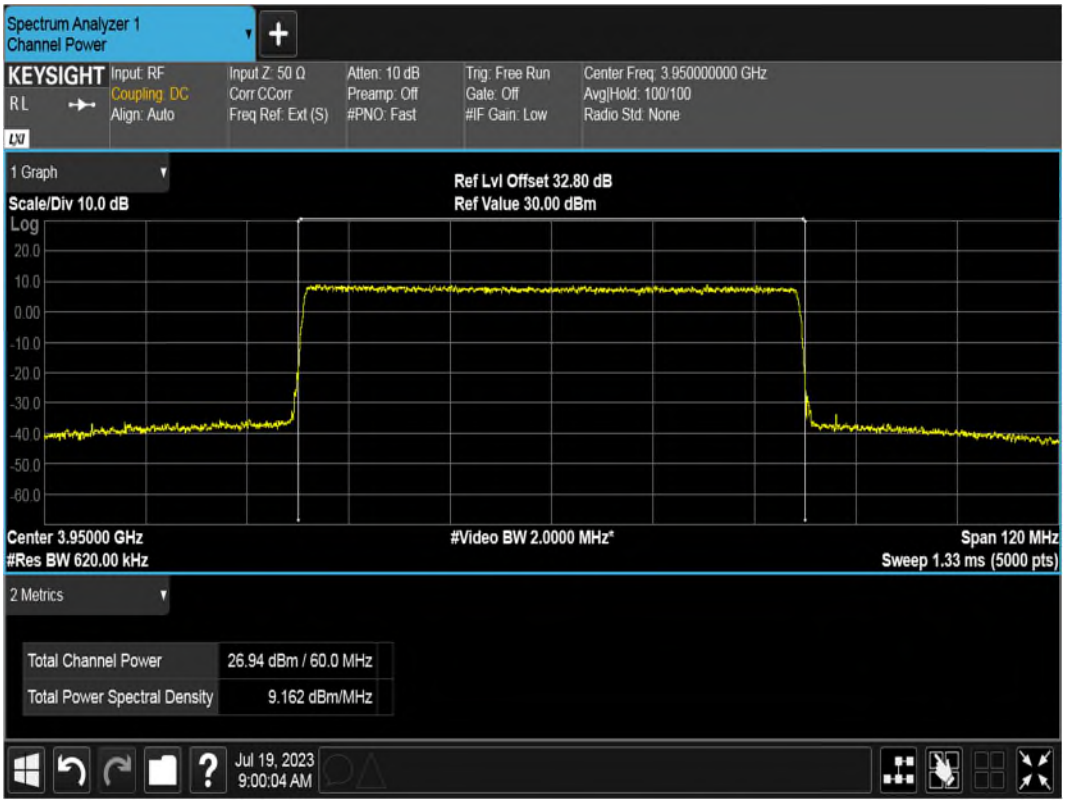
QPSK



16QAM



64QAM



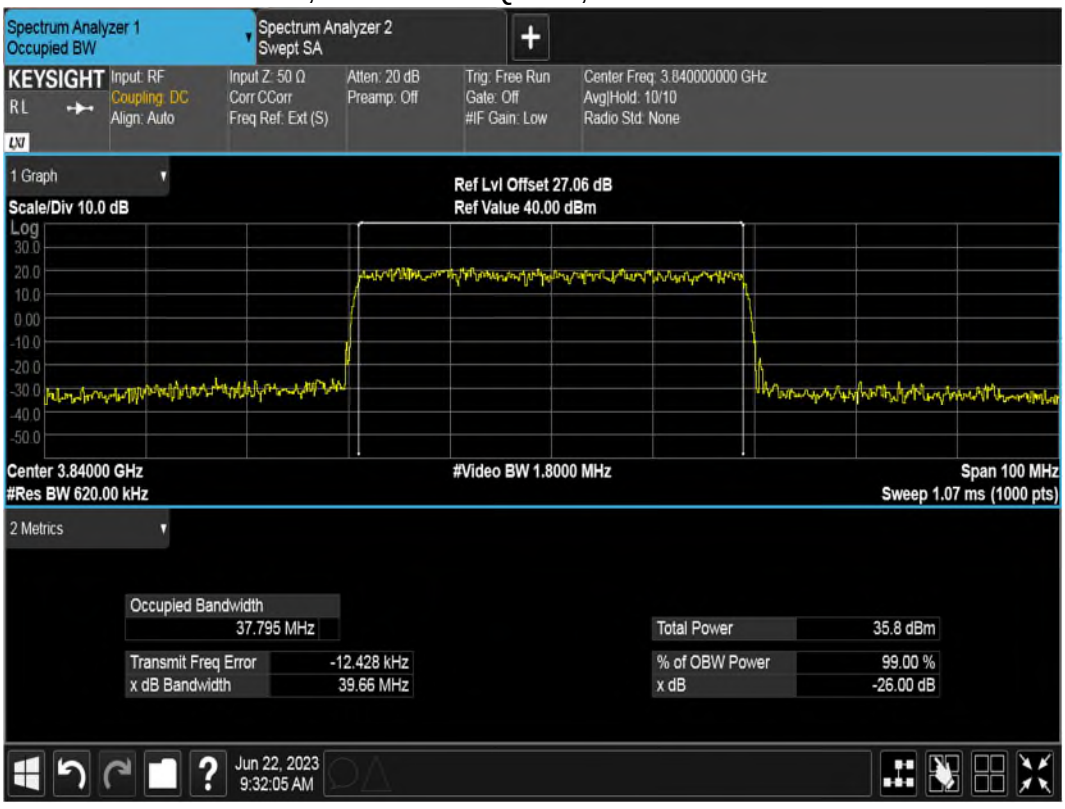
256QAM

6.4 Occupied Bandwidth

RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 40 MHz, Modulation QPSK, Channel 3720 MHz

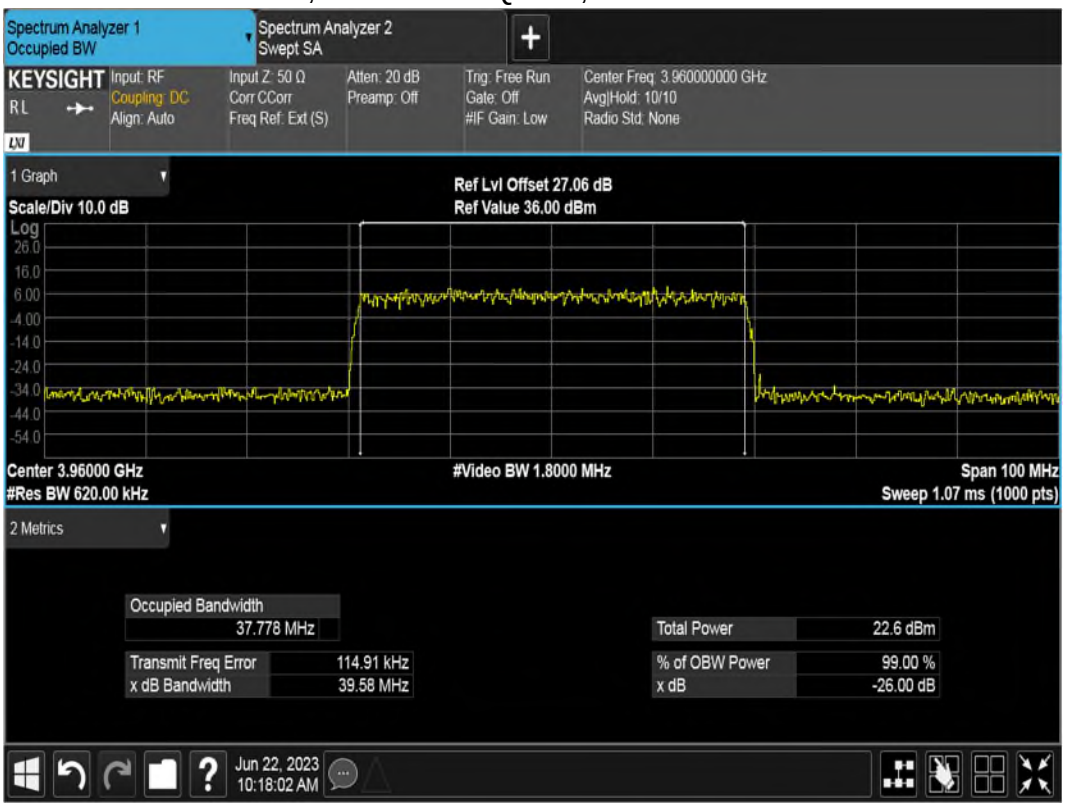
Plot for 99 % Bandwidth (MHz)

RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 40 MHz, Modulation QPSK, Channel 3840 MHz



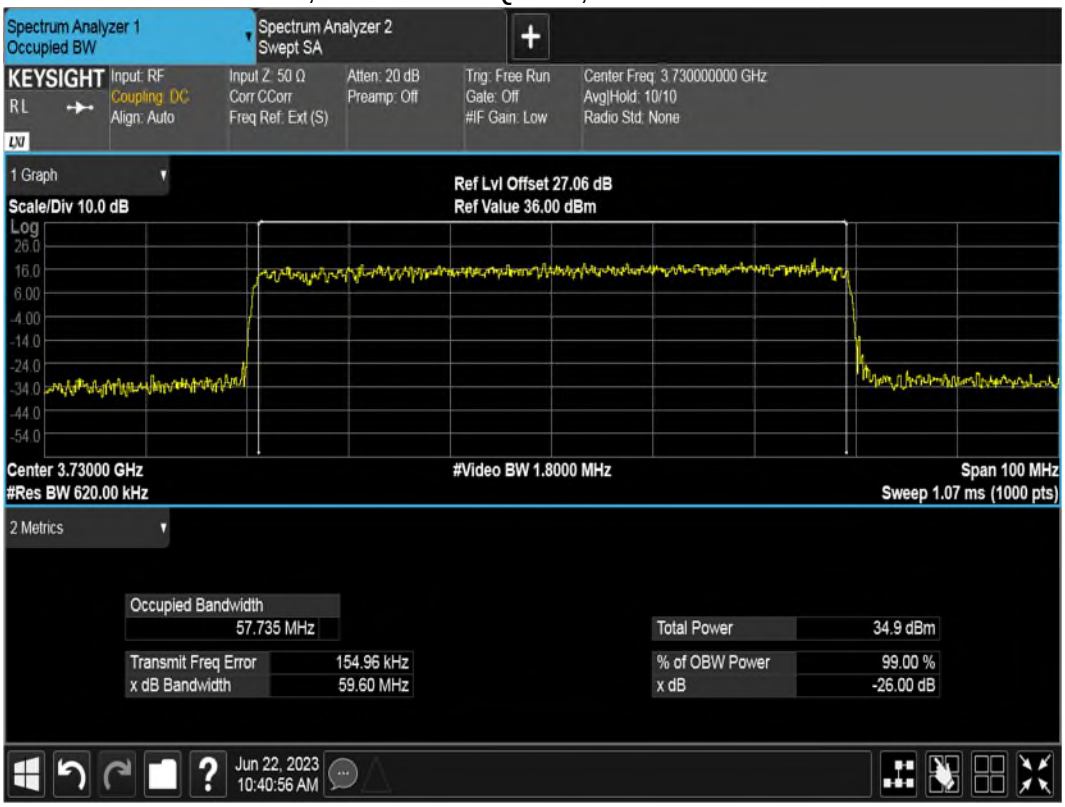
Plot for 99 % Bandwidth (MHz)

RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 40 MHz, Modulation QPSK, Channel 3960 MHz



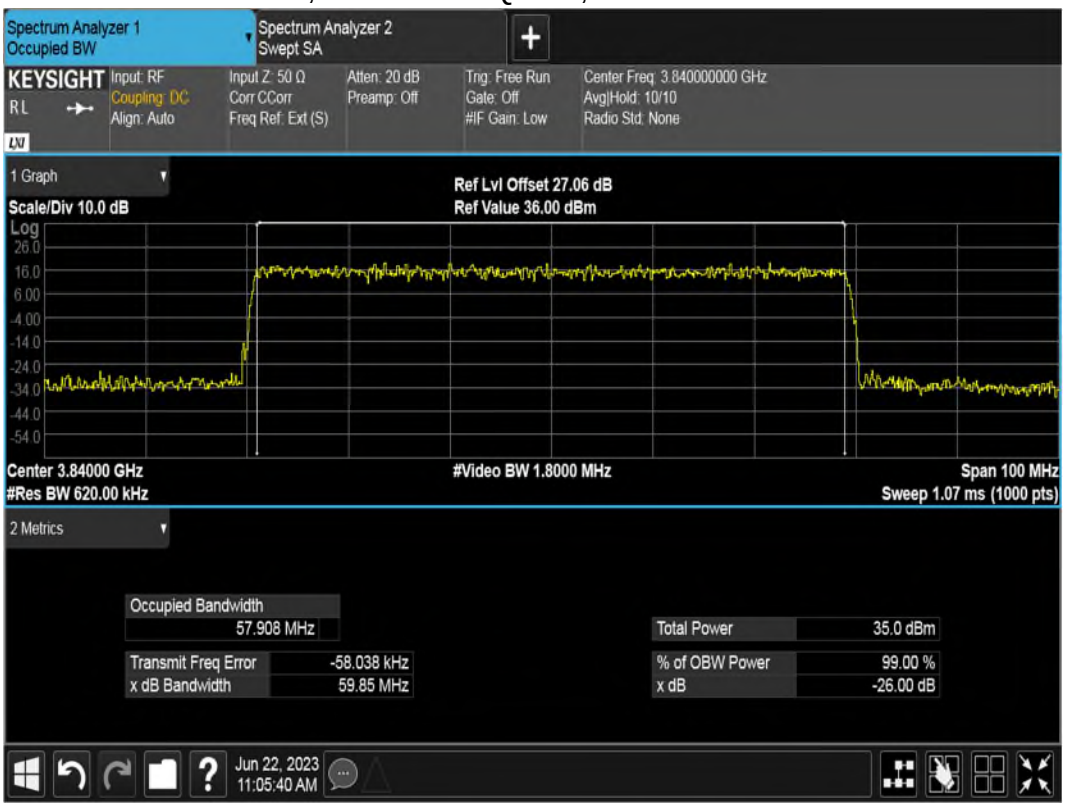
Plot for 99 % Bandwidth (MHz)

RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 60 MHz, Modulation QPSK, Channel 3730 MHz



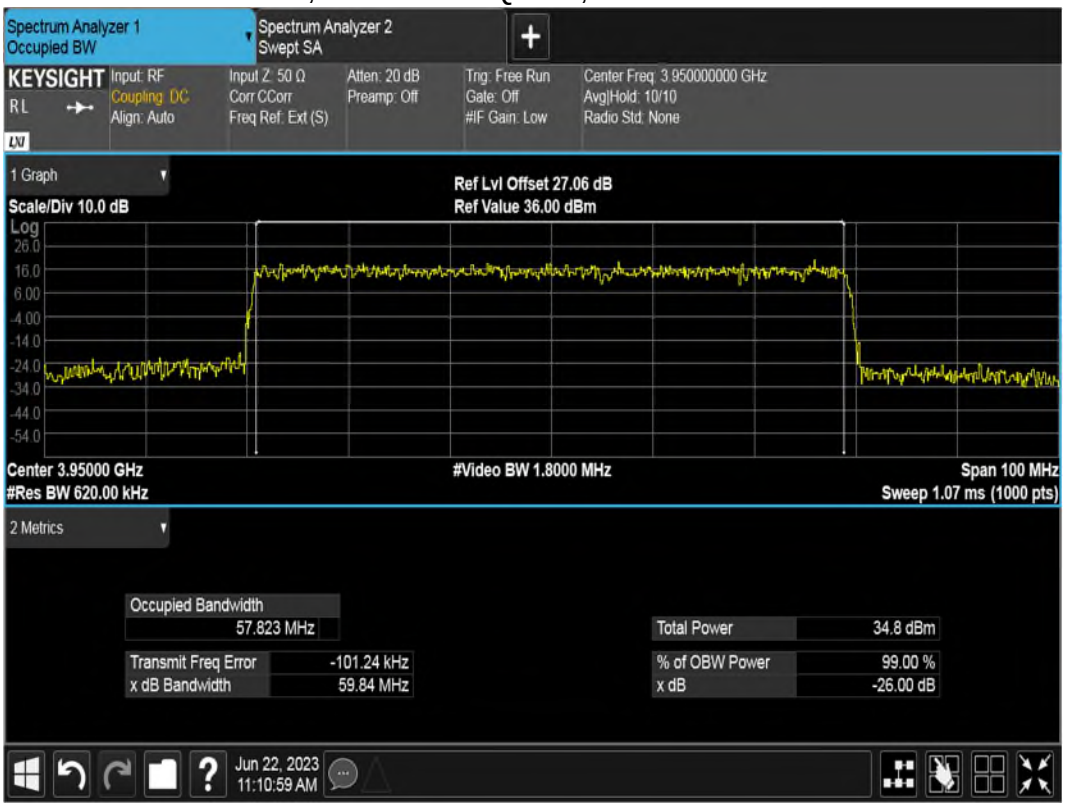
Plot for 99 % Bandwidth (MHz)

RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 60 MHz, Modulation QPSK, Channel 3840 MHz



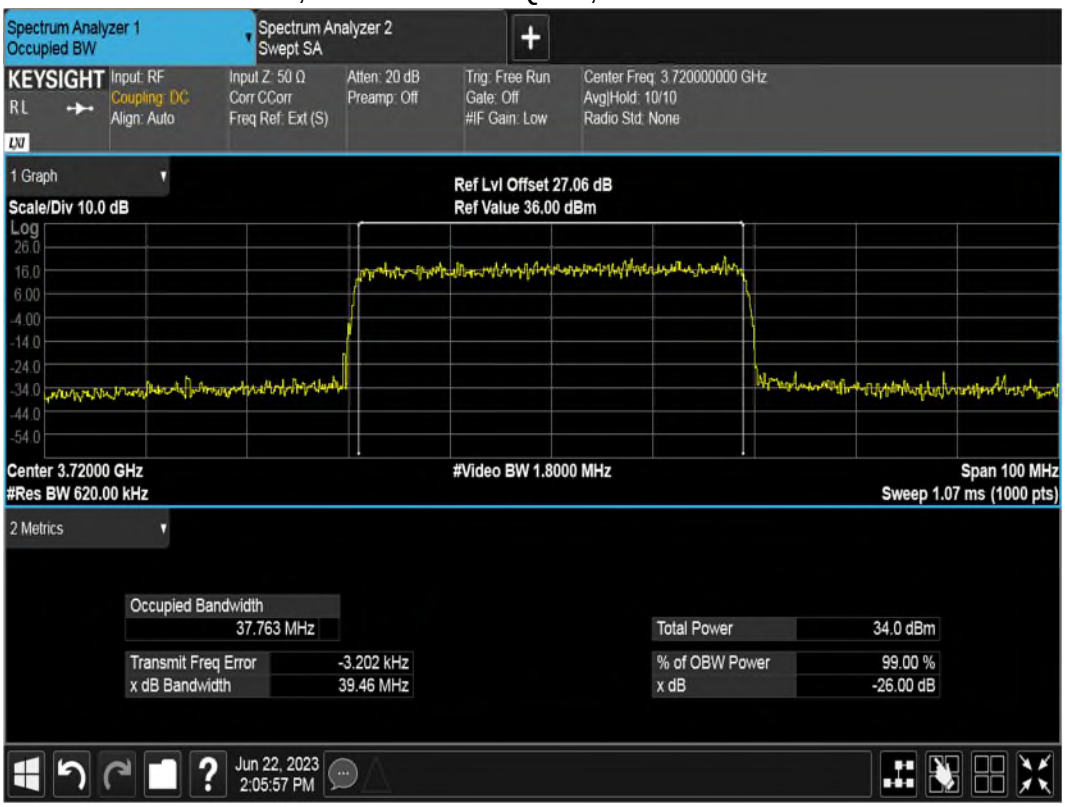
Plot for 99 % Bandwidth (MHz)

RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 60 MHz, Modulation QPSK, Channel 3950 MHz



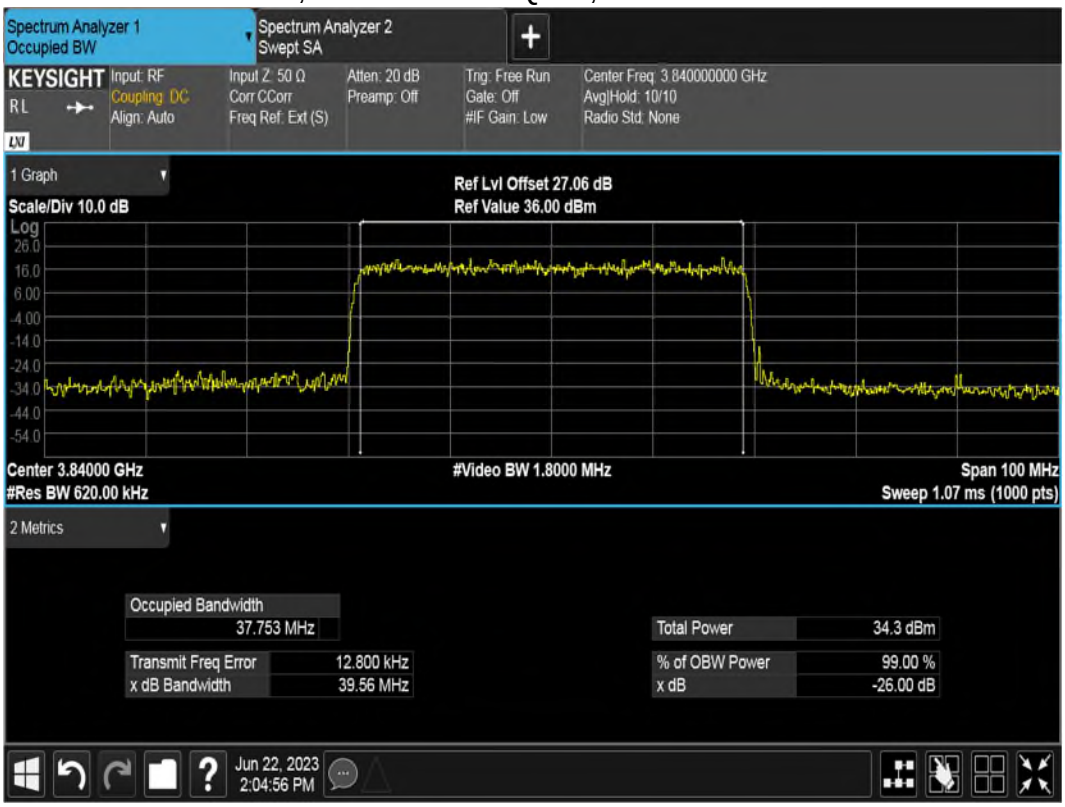
Plot for 99 % Bandwidth (MHz)

RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 40 MHz, Modulation 16QAM, Channel 3720 MHz



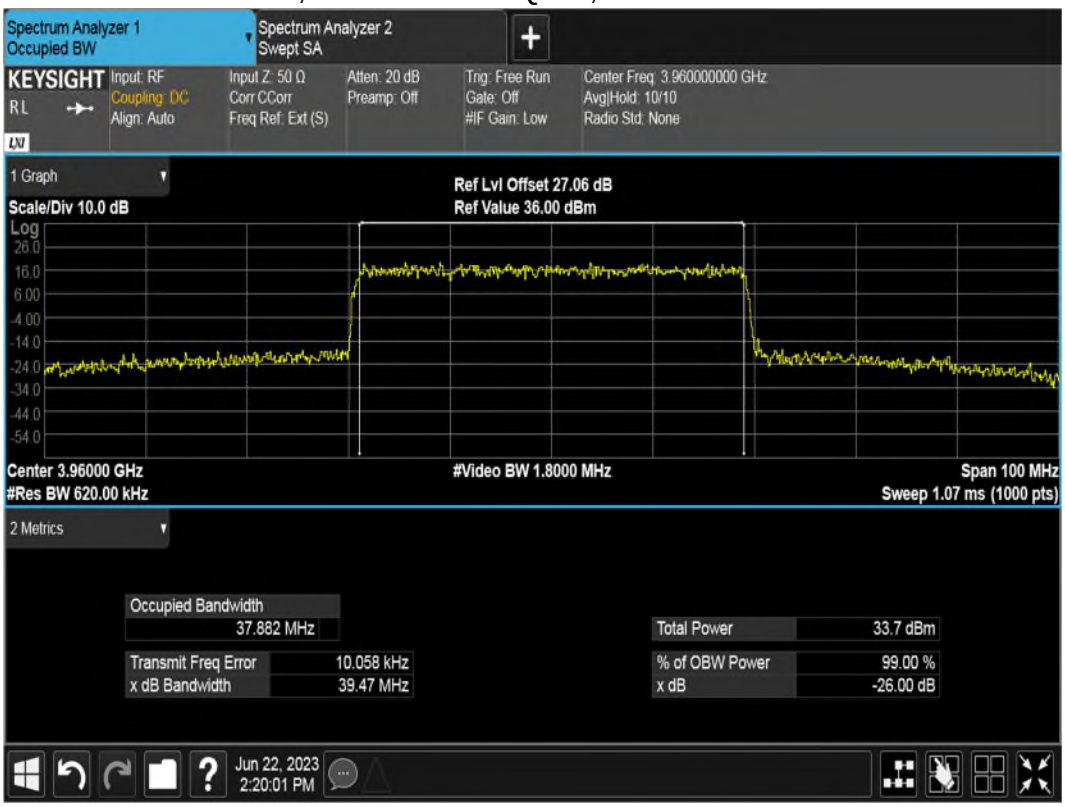
Plot for 99 % Bandwidth (MHz)

RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 40 MHz, Modulation 16QAM, Channel 3840 MHz



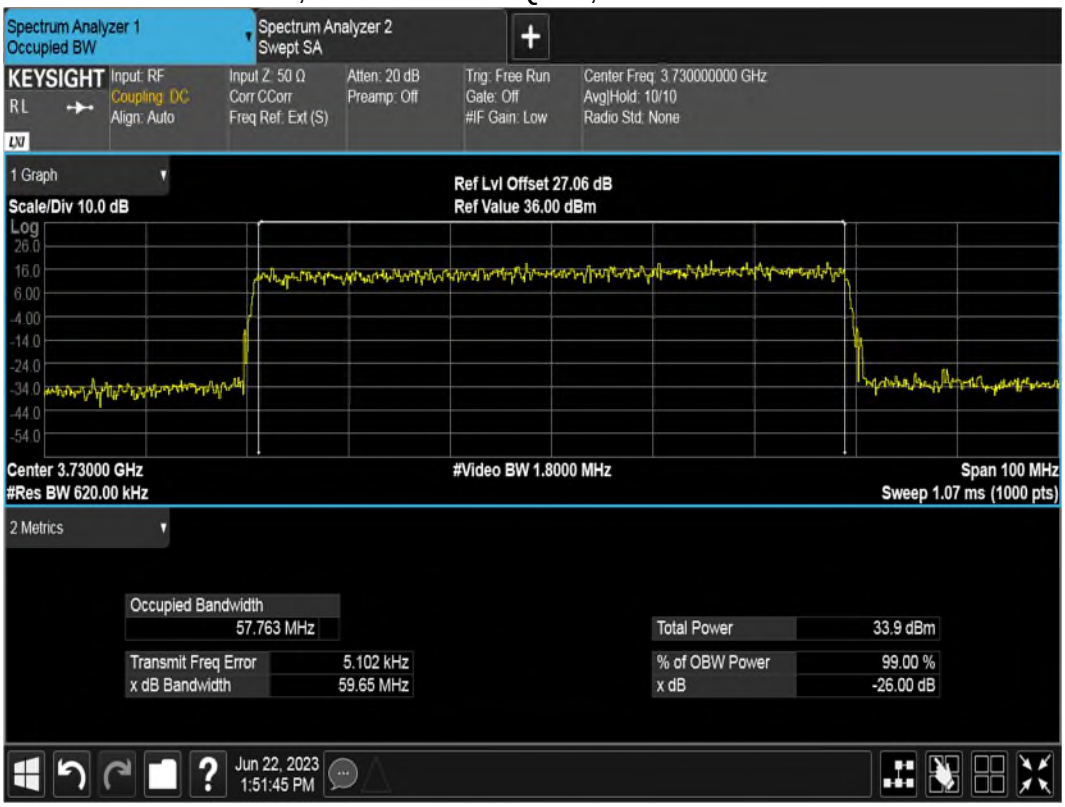
Plot for 99 % Bandwidth (MHz)

RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 40 MHz, Modulation 16QAM, Channel 3960 MHz



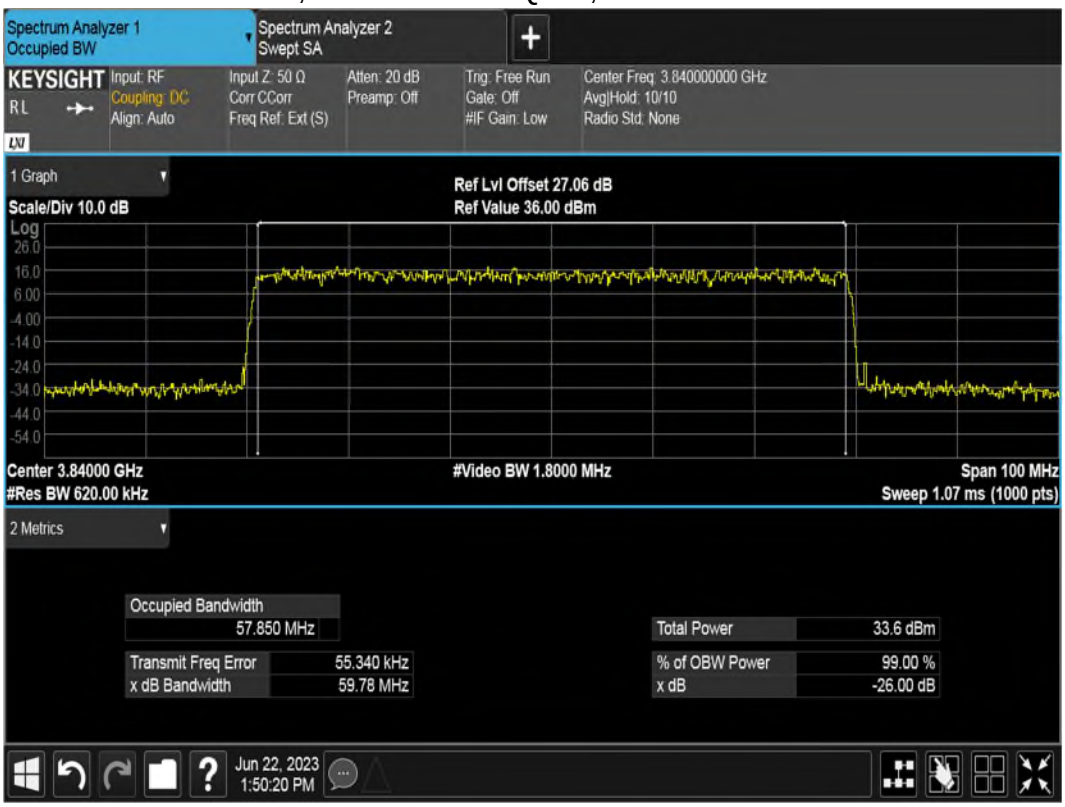
Plot for 99 % Bandwidth (MHz)

RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 60 MHz, Modulation 16QAM, Channel 3730 MHz



Plot for 99 % Bandwidth (MHz)

RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 60 MHz, Modulation 16QAM, Channel 3840 MHz



Plot for 99 % Bandwidth (MHz)

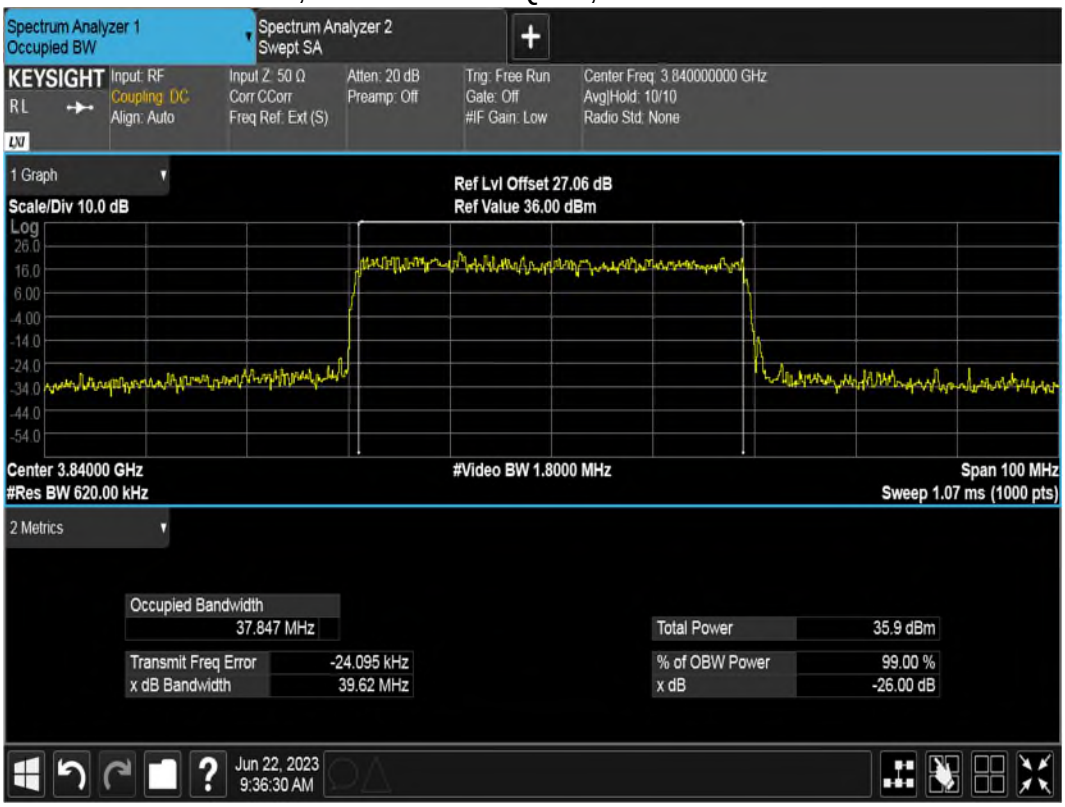
RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 60 MHz, Modulation 16QAM, Channel 3950 MHz

Plot for 99 % Bandwidth (MHz)

RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 40 MHz, Modulation 64QAM, Channel 3720 MHz

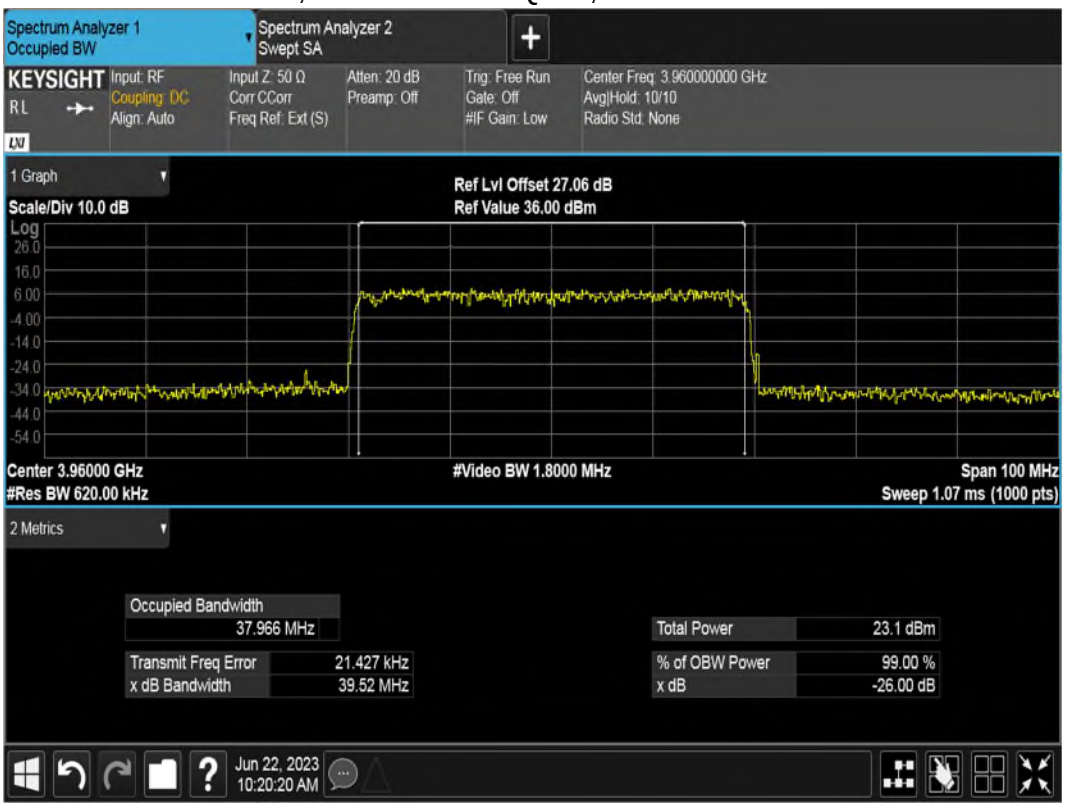
Plot for 99 % Bandwidth (MHz)

RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 40 MHz, Modulation 64QAM, Channel 3840 MHz



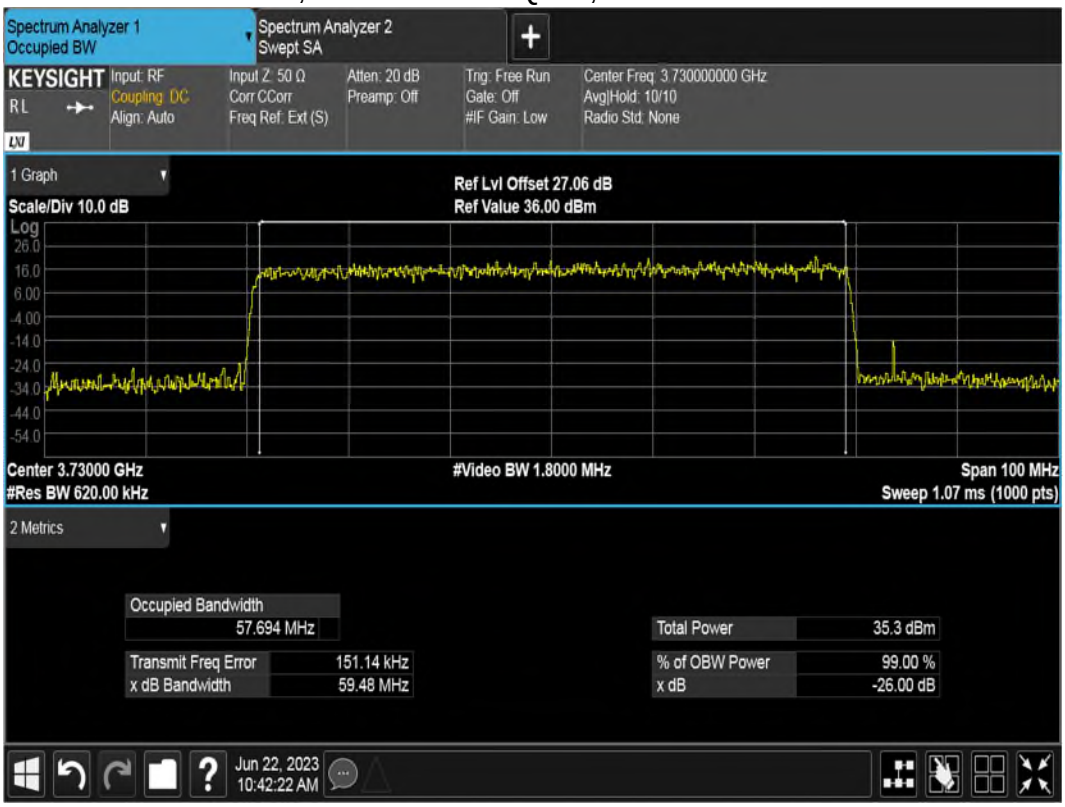
Plot for 99 % Bandwidth (MHz)

RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 40 MHz, Modulation 64QAM, Channel 3960 MHz



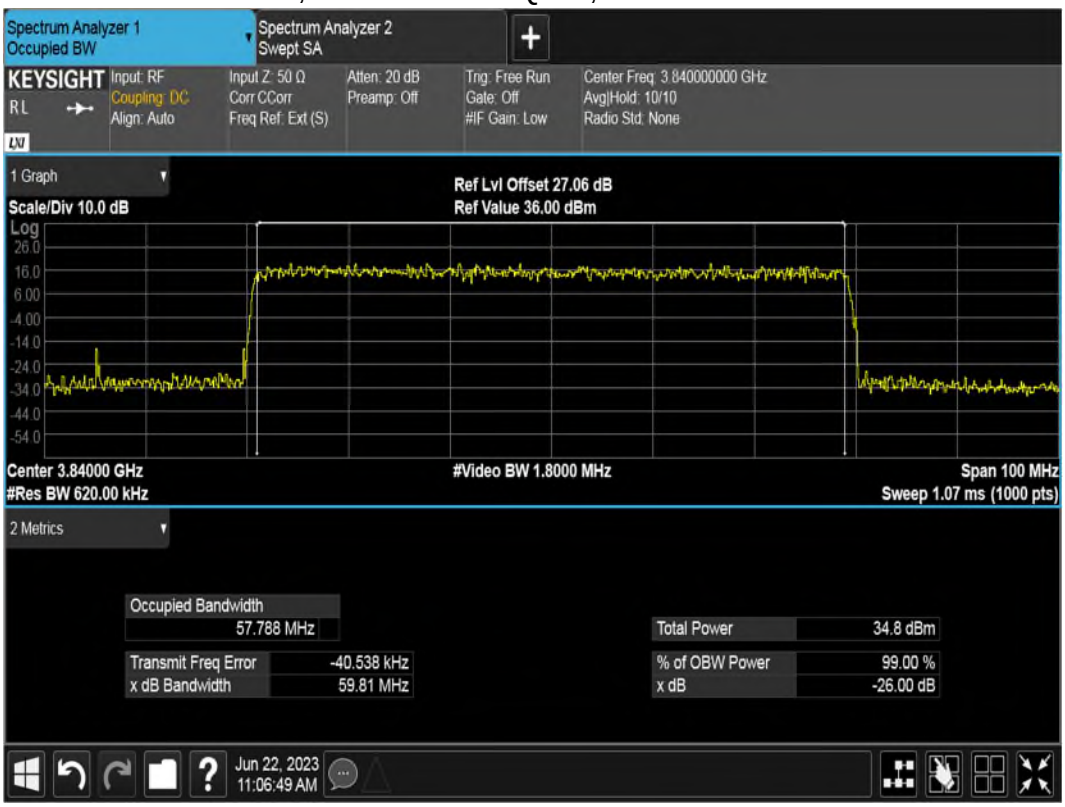
Plot for 99 % Bandwidth (MHz)

RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 60 MHz, Modulation 64QAM, Channel 3730 MHz



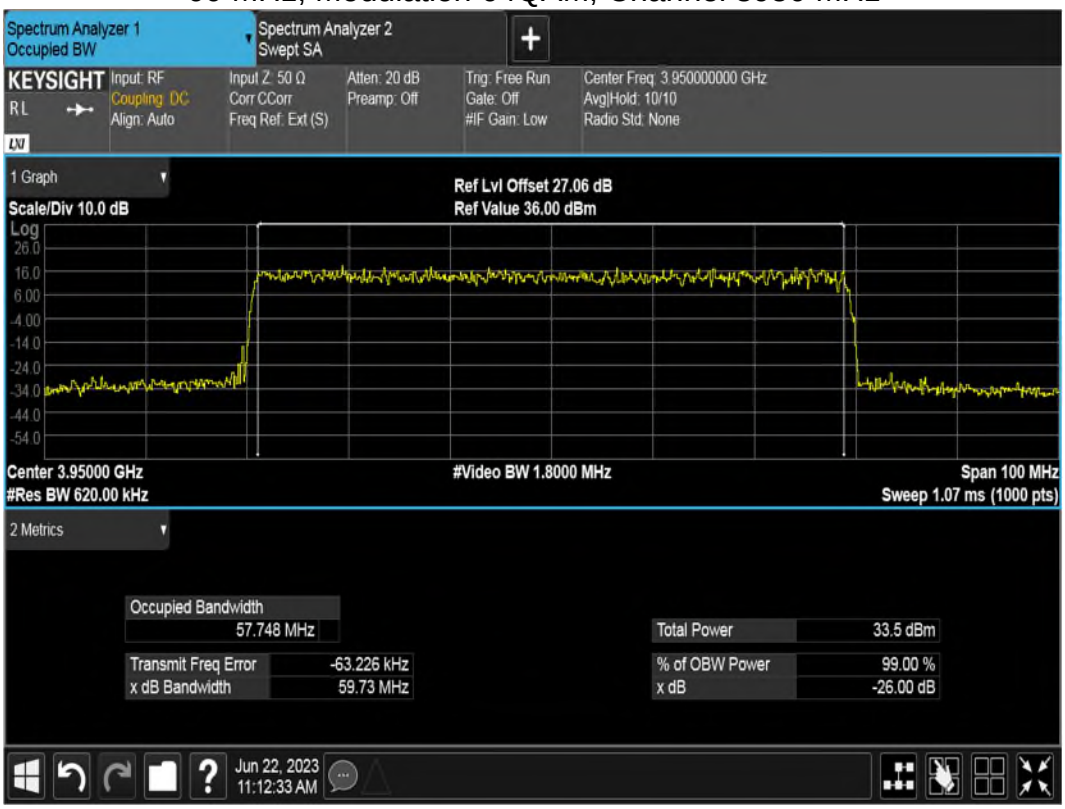
Plot for 99 % Bandwidth (MHz)

RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 60 MHz, Modulation 64QAM, Channel 3840 MHz



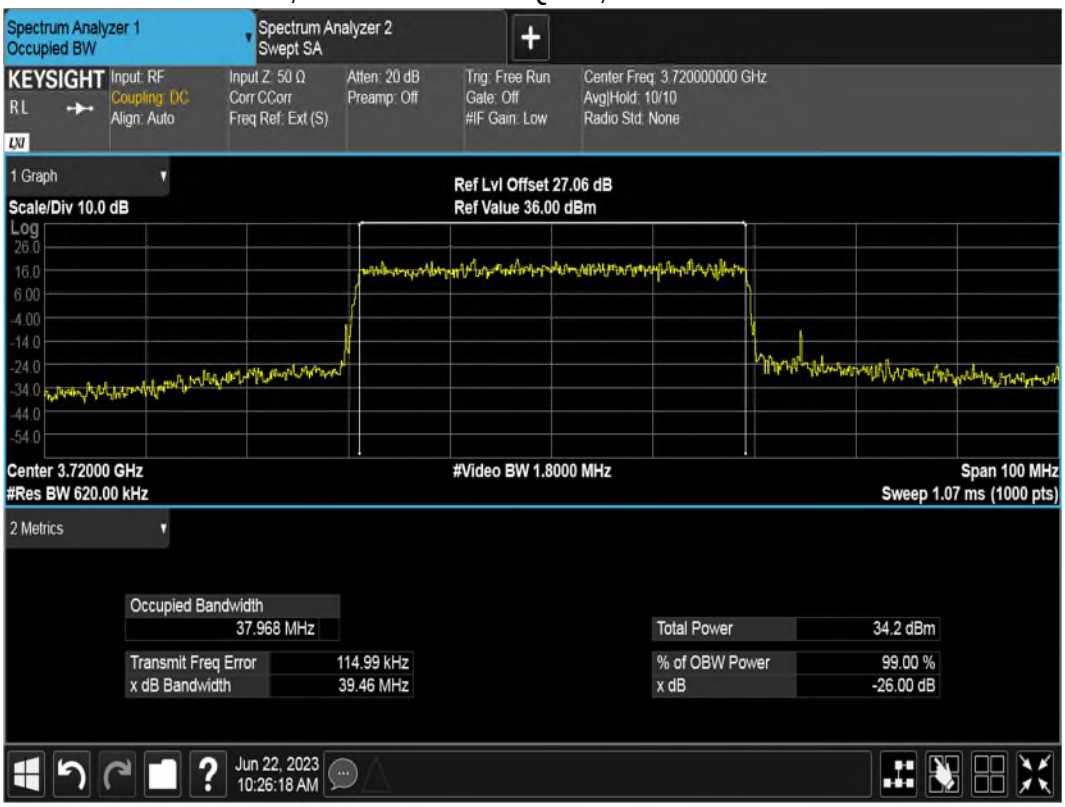
Plot for 99 % Bandwidth (MHz)

RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 60 MHz, Modulation 64QAM, Channel 3950 MHz



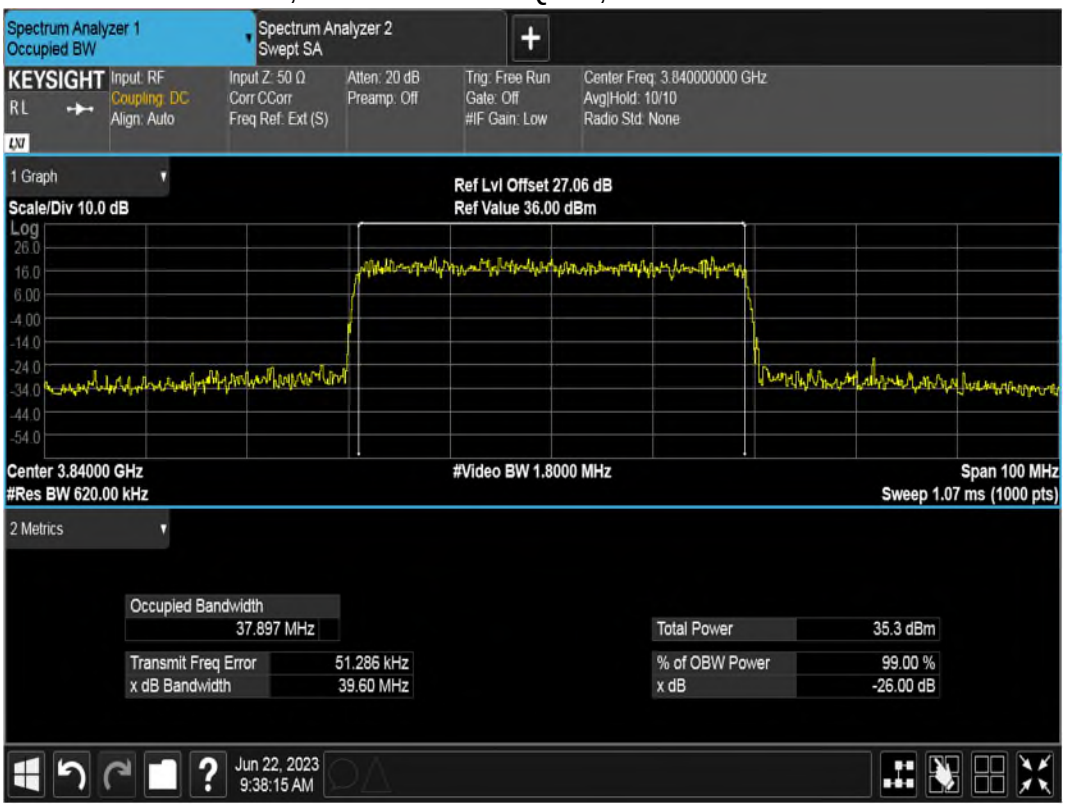
Plot for 99 % Bandwidth (MHz)

RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 40 MHz, Modulation 256QAM, Channel 3720 MHz



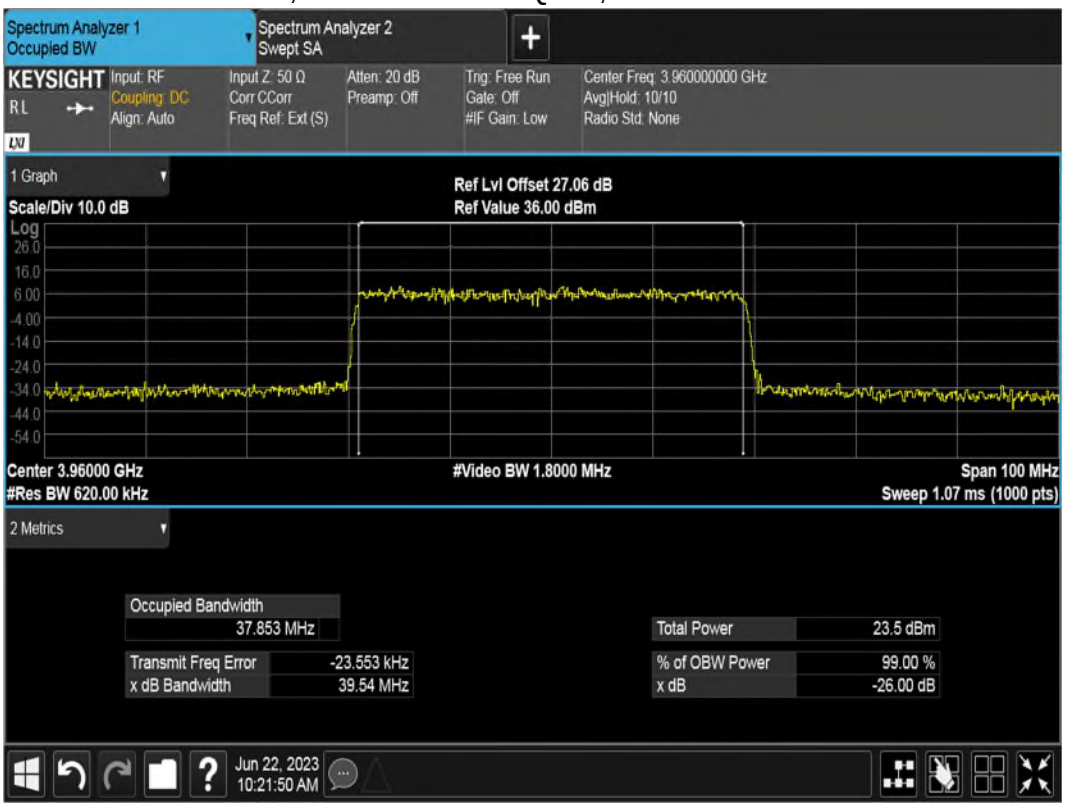
Plot for 99 % Bandwidth (MHz)

RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 40 MHz, Modulation 256QAM, Channel 3840 MHz



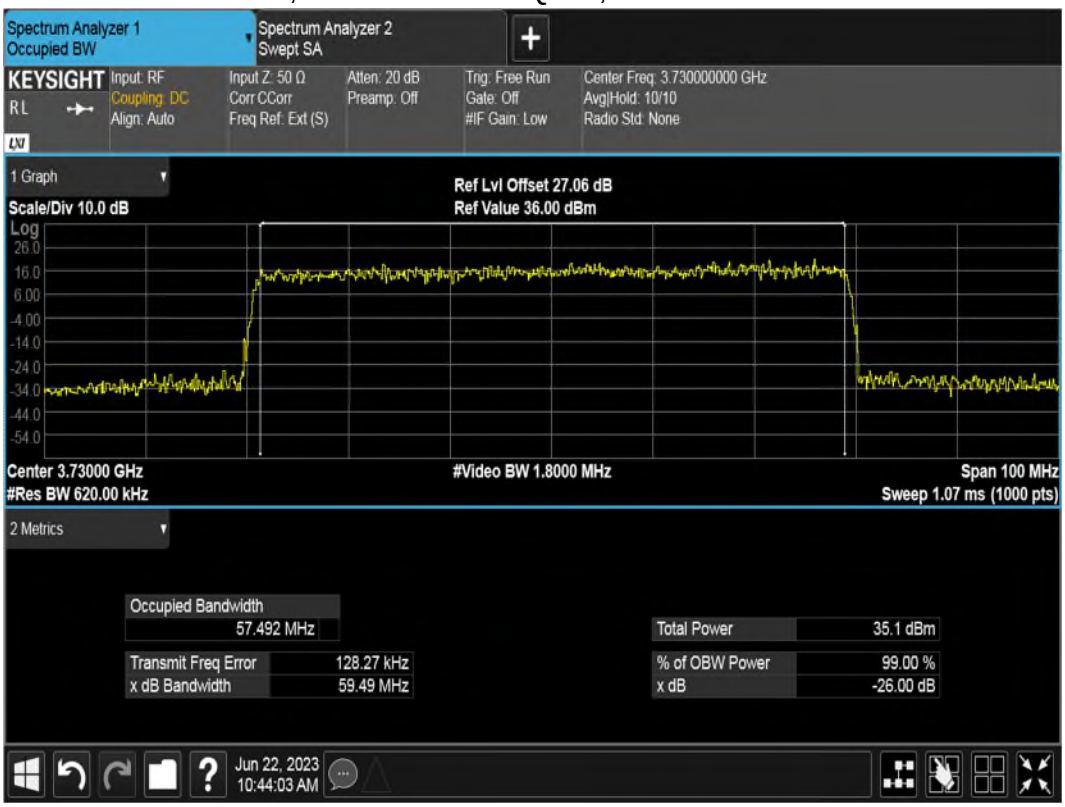
Plot for 99 % Bandwidth (MHz)

RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 40 MHz, Modulation 256QAM, Channel 3960 MHz



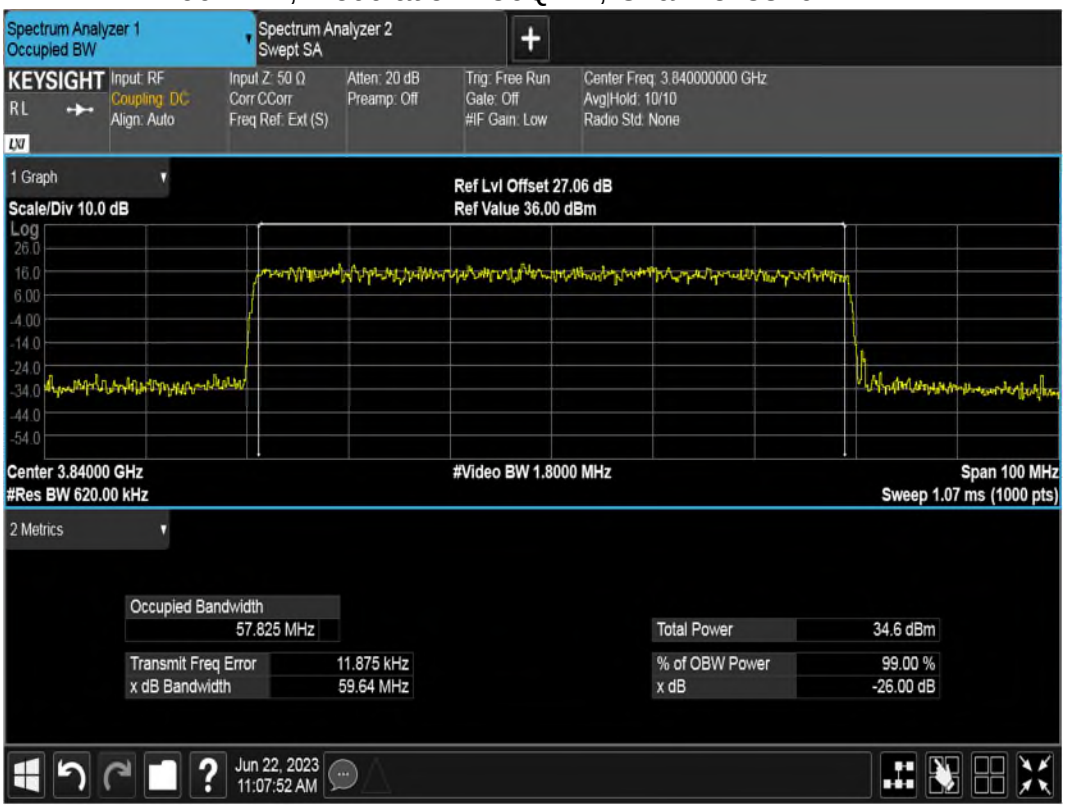
Plot for 99 % Bandwidth (MHz)

RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 60 MHz, Modulation 256QAM, Channel 3730 MHz



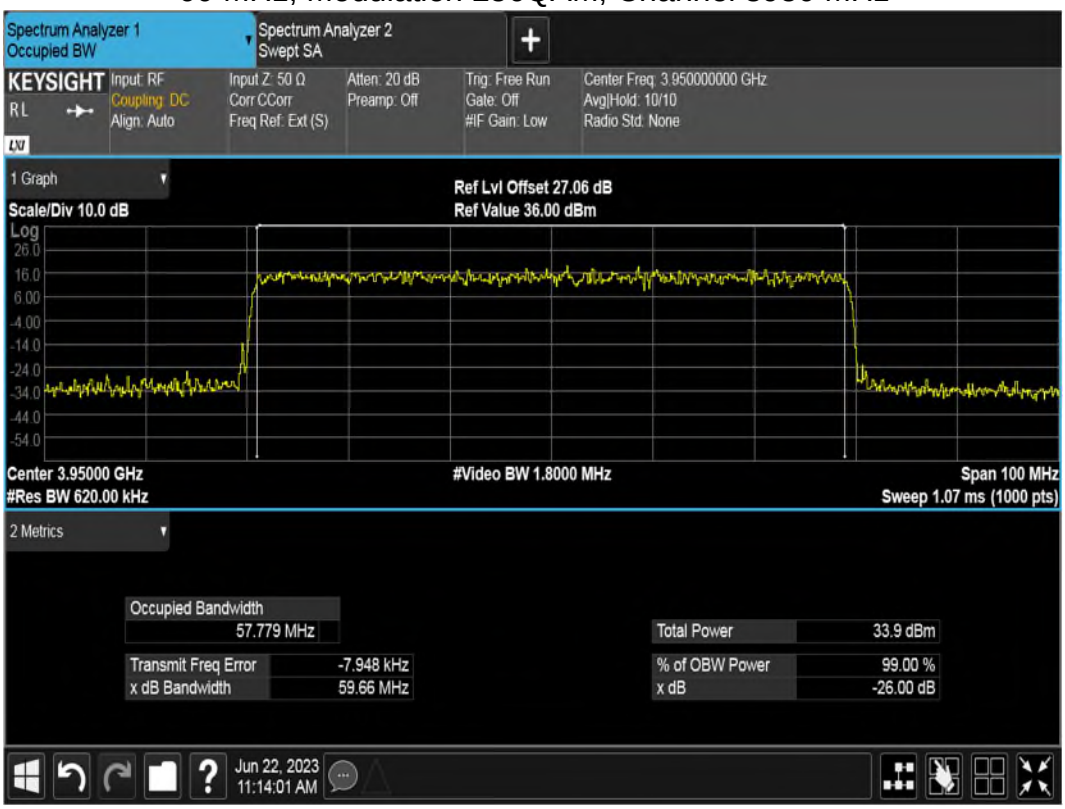
Plot for 99 % Bandwidth (MHz)

RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 60 MHz, Modulation 256QAM, Channel 3840 MHz



Plot for 99 % Bandwidth (MHz)

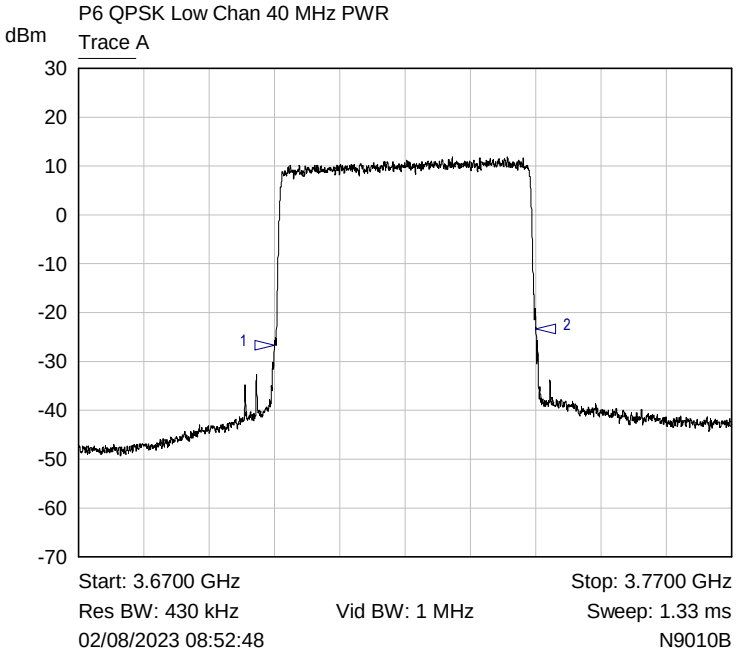
RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 60 MHz, Modulation 256QAM, Channel 3950 MHz



Plot for 99 % Bandwidth (MHz)

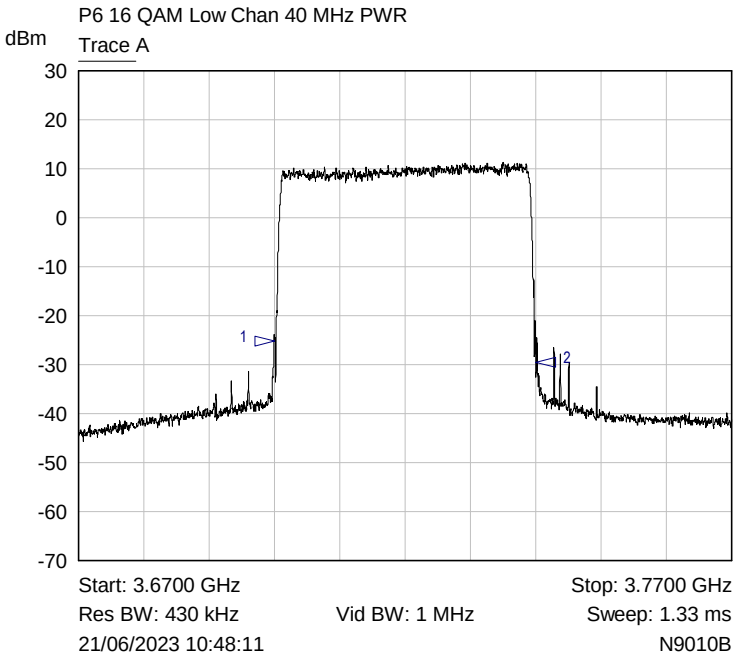
6.5 Band edge / spectrum mask additional emissions limitations

RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 40 MHz, Low Channel



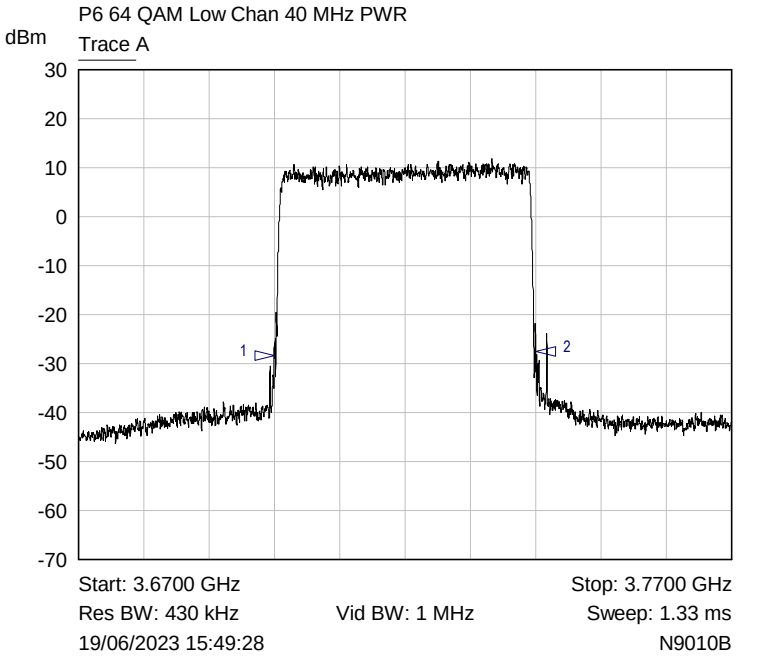
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	3.7000 GHz	-26.63 dBm	
2 ▽	Trace A	3.7400 GHz	-23.28 dBm	

QPSK



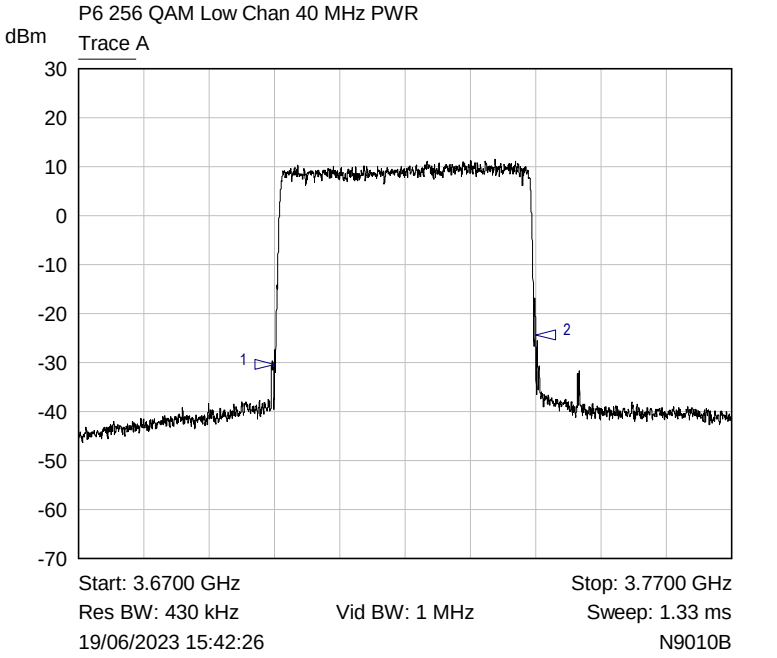
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	3.7000 GHz	-25.19 dBm	
2 ▽	Trace A	3.7400 GHz	-29.54 dBm	

16QAM



Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	3.7000 GHz	-28.29 dBm	
2 ▽	Trace A	3.7400 GHz	-27.58 dBm	

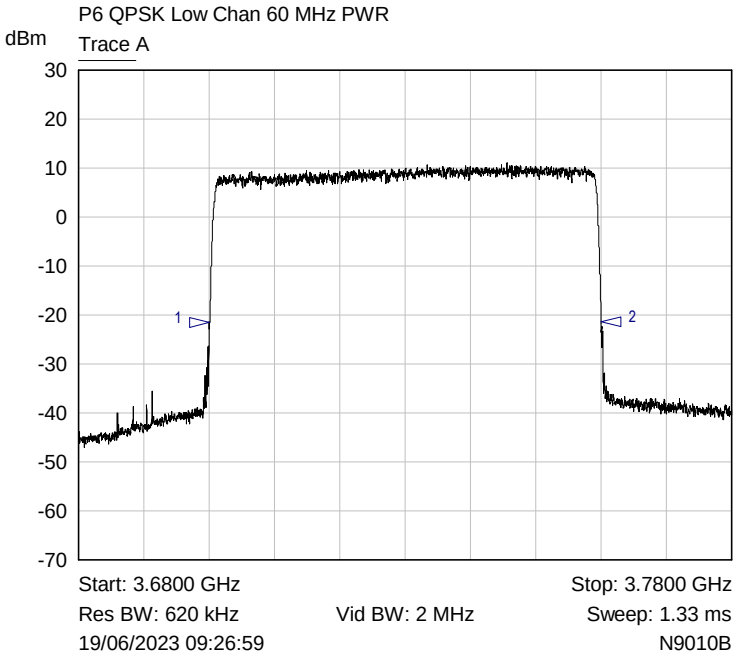
64QAM



Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	3.7000 GHz	-30.28 dBm	
2 ▽	Trace A	3.7400 GHz	-24.33 dBm	

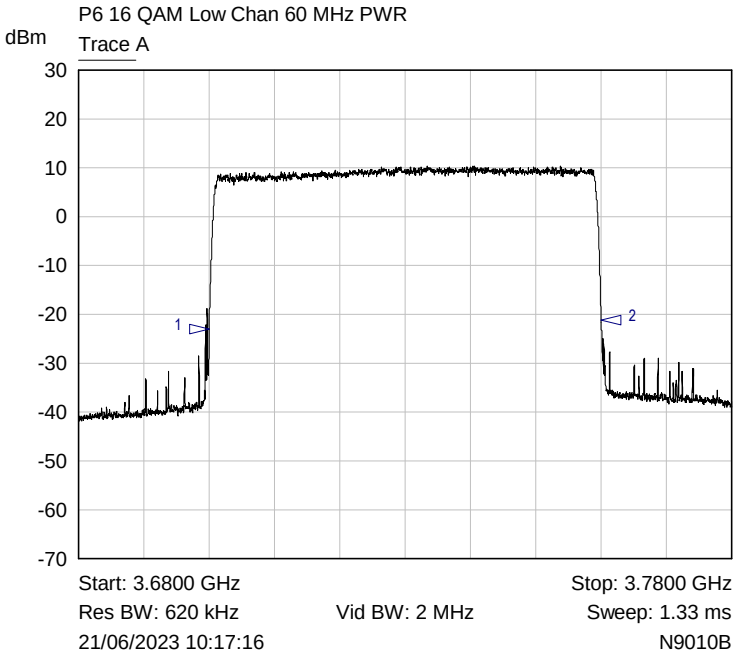
256QAM

RF Parameters: RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 60 MHz, Low Channel



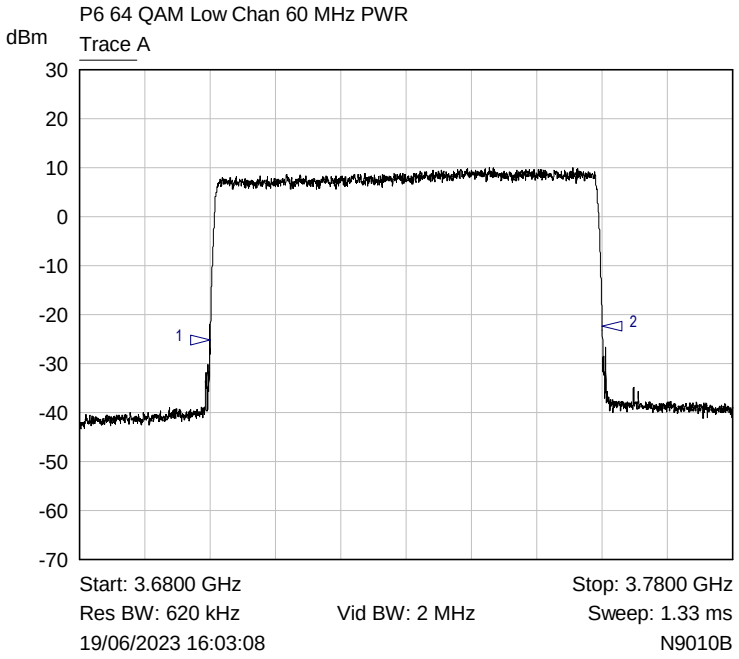
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	3.7000 GHz	-21.55 dBm	
2 ▽	Trace A	3.7600 GHz	-21.27 dBm	

QPSK



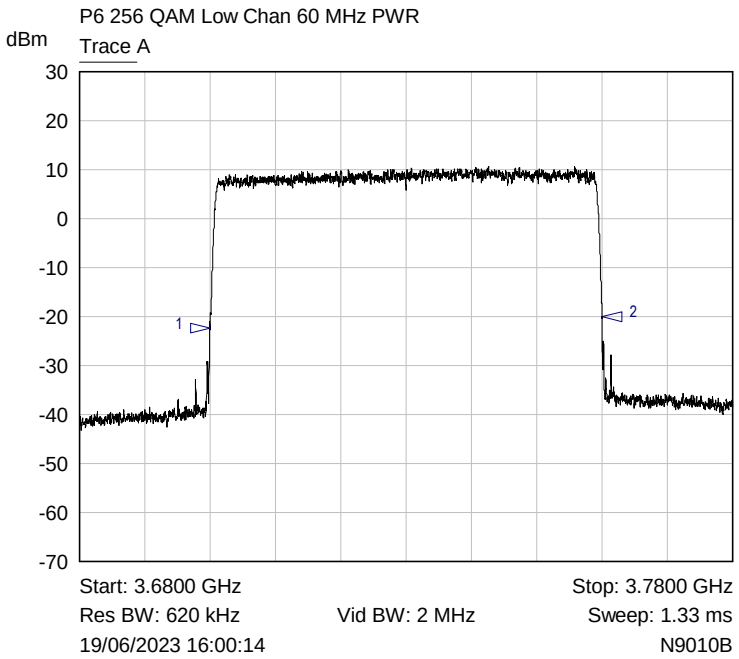
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	3.7000 GHz	-22.94 dBm	
2 ▽	Trace A	3.7600 GHz	-21.21 dBm	

16QAM



Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	3.7000 GHz	-25.23 dBm	
2 ▽	Trace A	3.7600 GHz	-22.35 dBm	

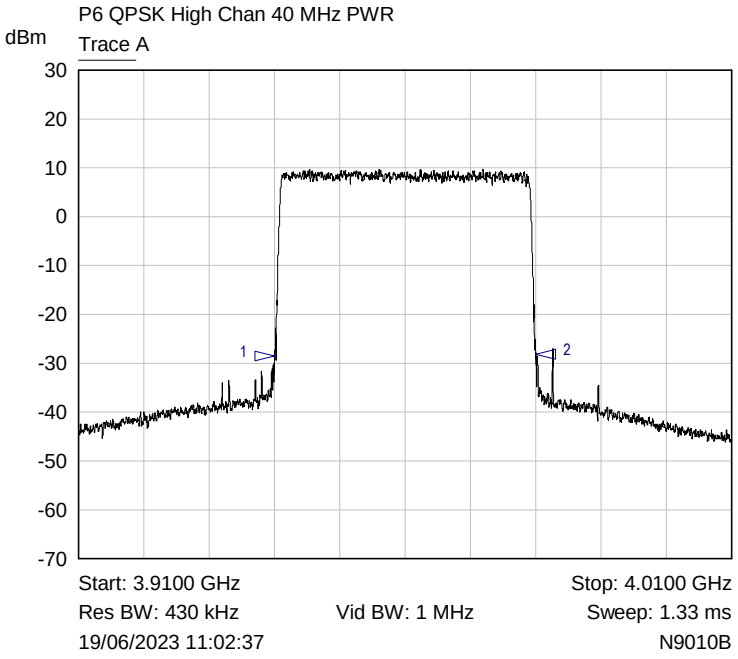
64QAM



Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	3.7000 GHz	-22.34 dBm	
2 ▽	Trace A	3.7600 GHz	-20.07 dBm	

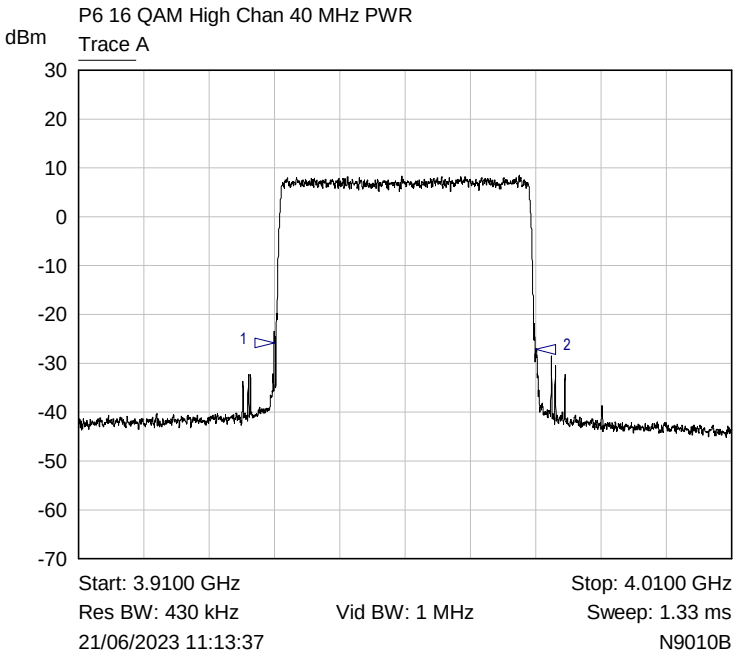
256QAM

RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 40 MHz, High Channel



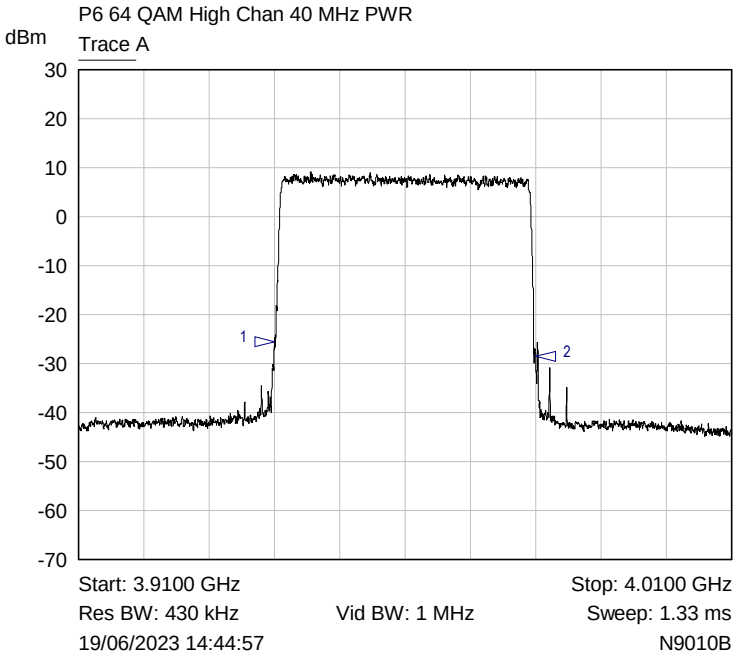
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	3.9400 GHz	-28.51 dBm	
2 ▽	Trace A	3.9800 GHz	-28.23 dBm	

QPSK



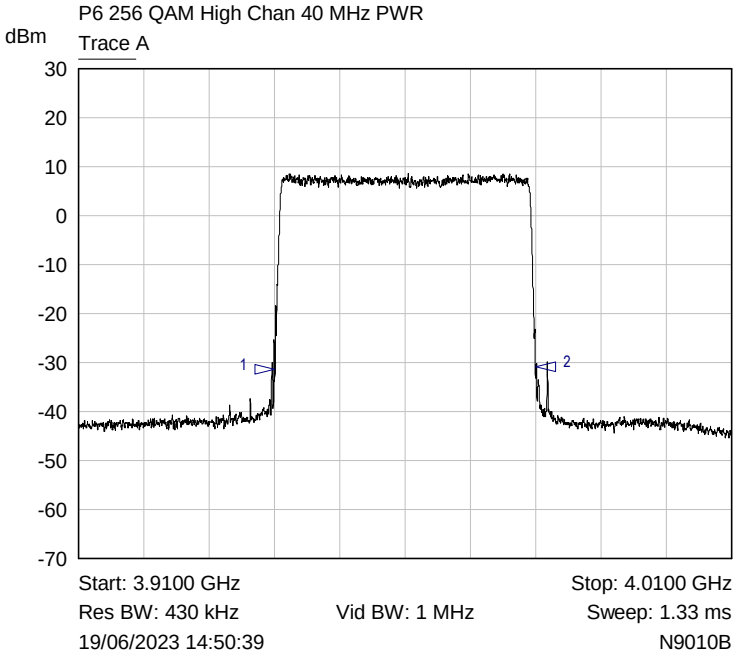
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	3.9400 GHz	-25.76 dBm	
2 ▽	Trace A	3.9800 GHz	-27.19 dBm	

16QAM



Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	3.9400 GHz	-25.53 dBm	
2 ▽	Trace A	3.9800 GHz	-28.47 dBm	

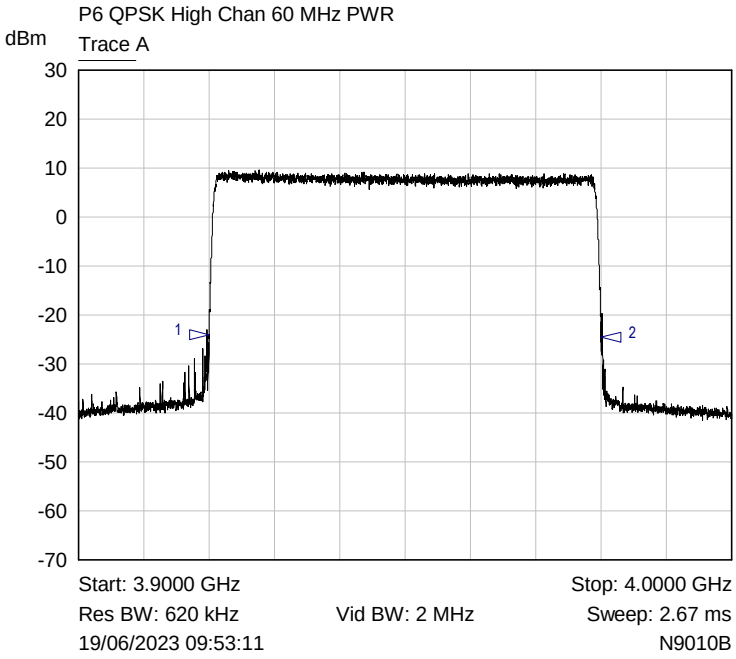
64QAM



Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	3.9400 GHz	-31.28 dBm	
2 ▽	Trace A	3.9800 GHz	-30.83 dBm	

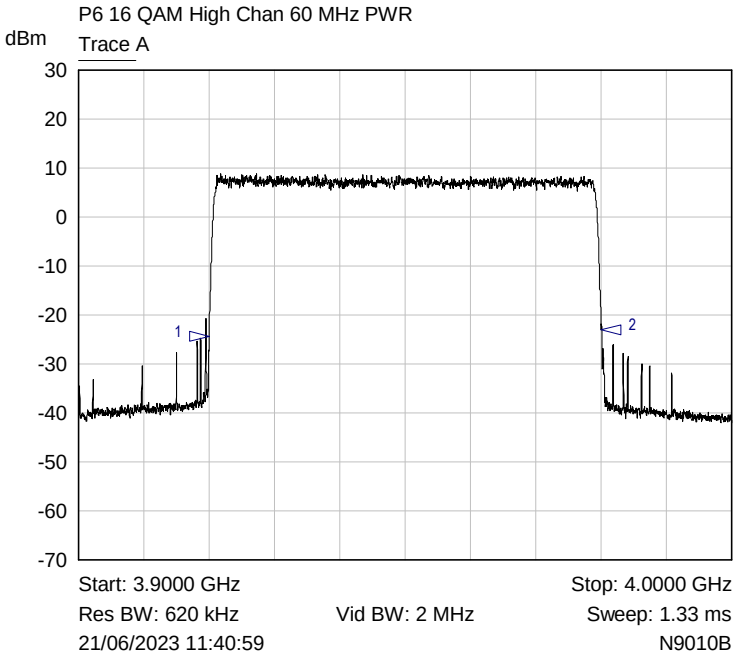
256QAM

RF Parameters: RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 60 MHz, High Channel



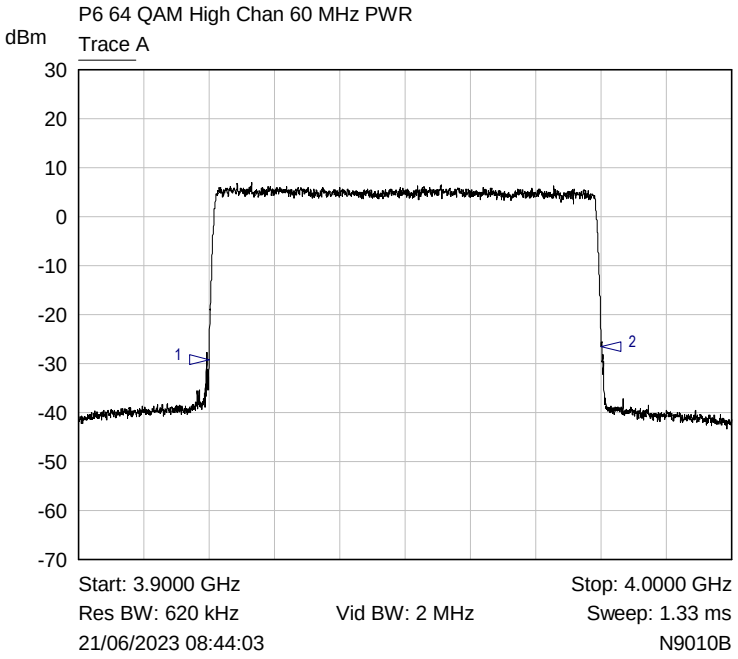
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	3.9200 GHz	-23.95 dBm	
2 ▽	Trace A	3.9800 GHz	-24.49 dBm	

QPSK



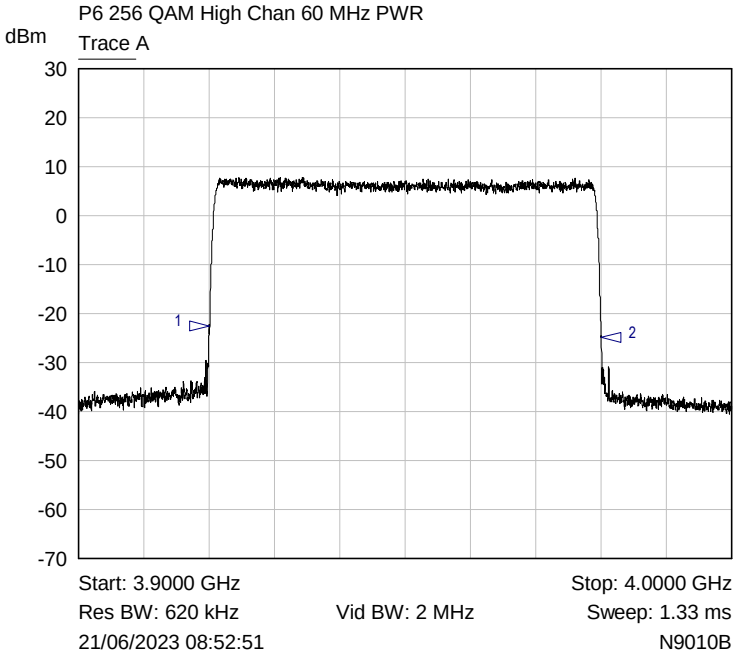
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	3.9200 GHz	-24.38 dBm	
2 ▽	Trace A	3.9800 GHz	-23.06 dBm	

16QAM



Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	3.9200 GHz	-29.14 dBm	
2 ▽	Trace A	3.9800 GHz	-26.46 dBm	

64QAM

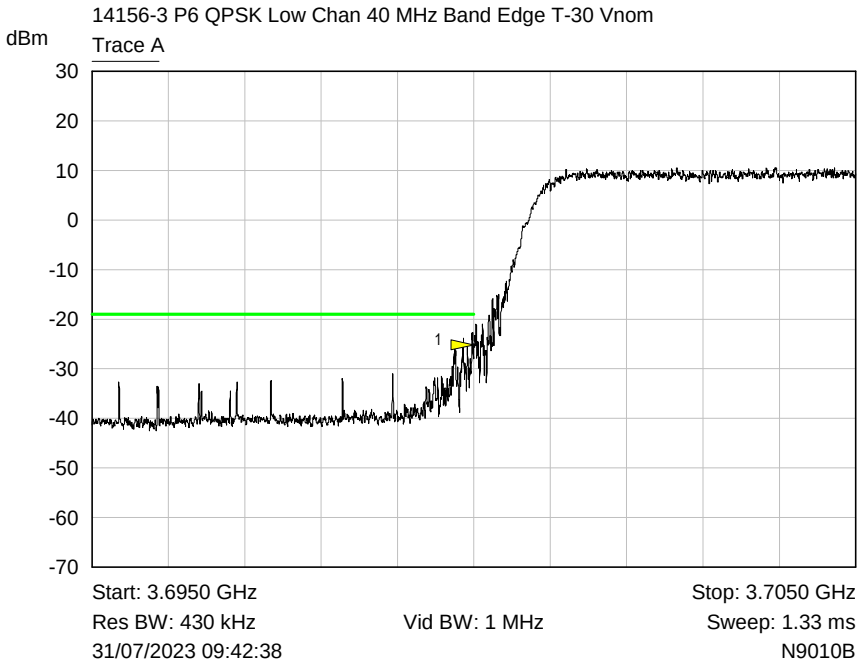


Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	3.9200 GHz	-22.45 dBm	
2 ▽	Trace A	3.9800 GHz	-24.83 dBm	

256QAM

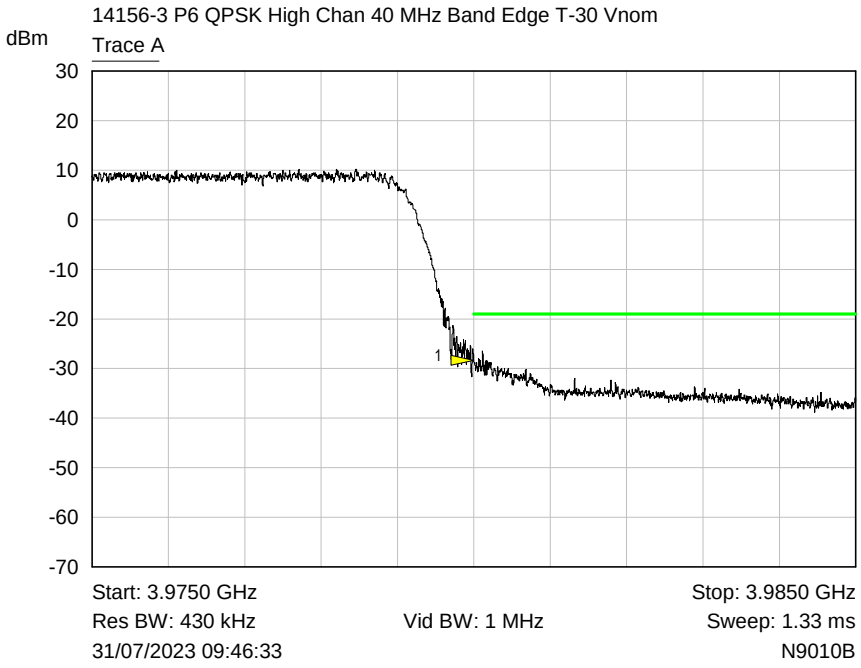
6.6 Frequency stability

RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 40 MHz, QPSK



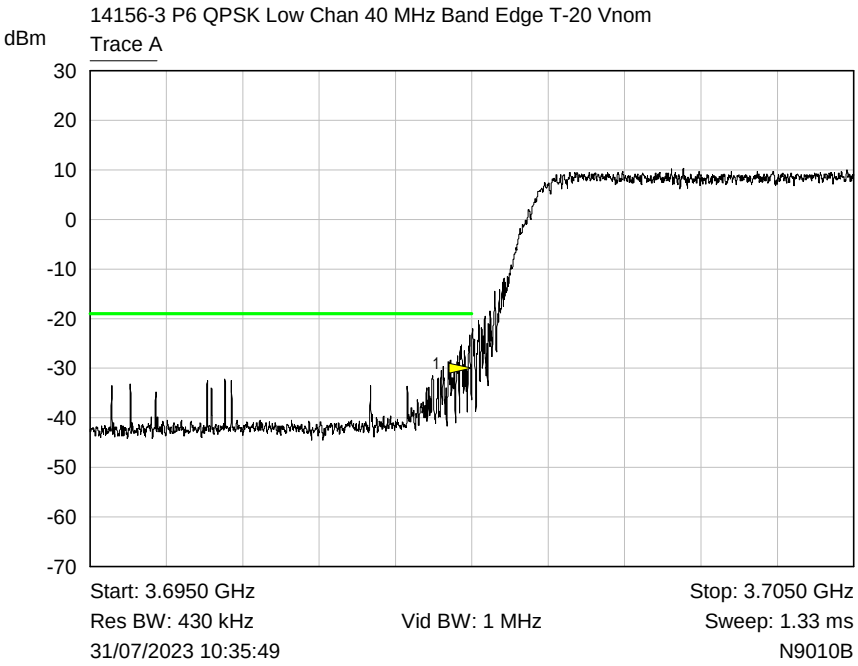
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-25.18 dBm	

-30 Degrees Low Chan



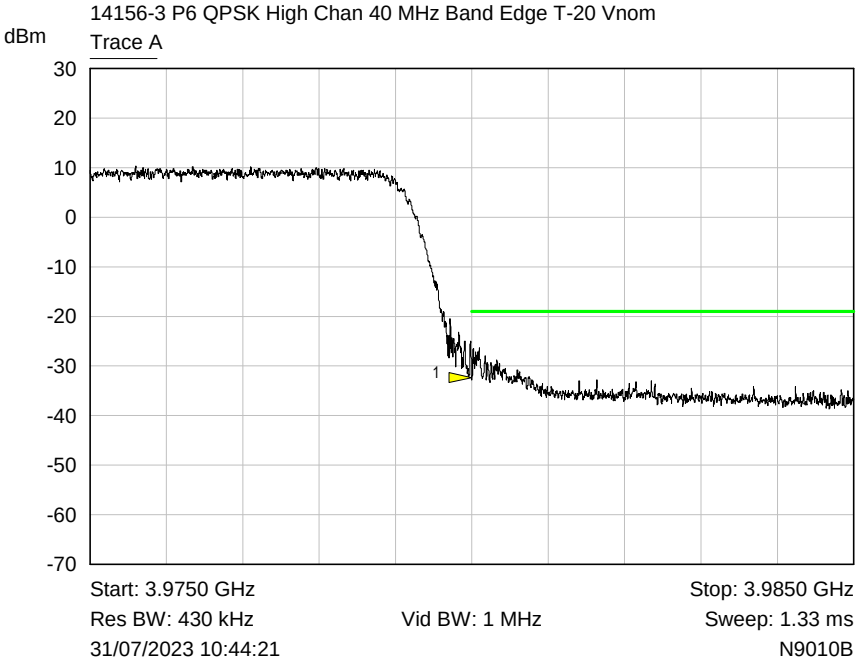
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-28.38 dBm	

-30 Degrees High Chan



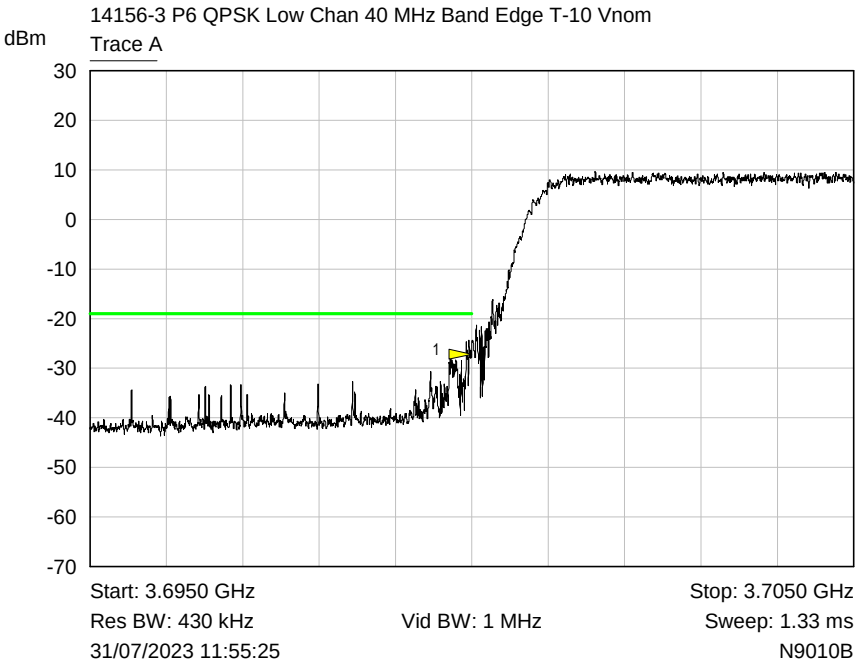
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-30.05 dBm	

-20 Degrees Low Chan



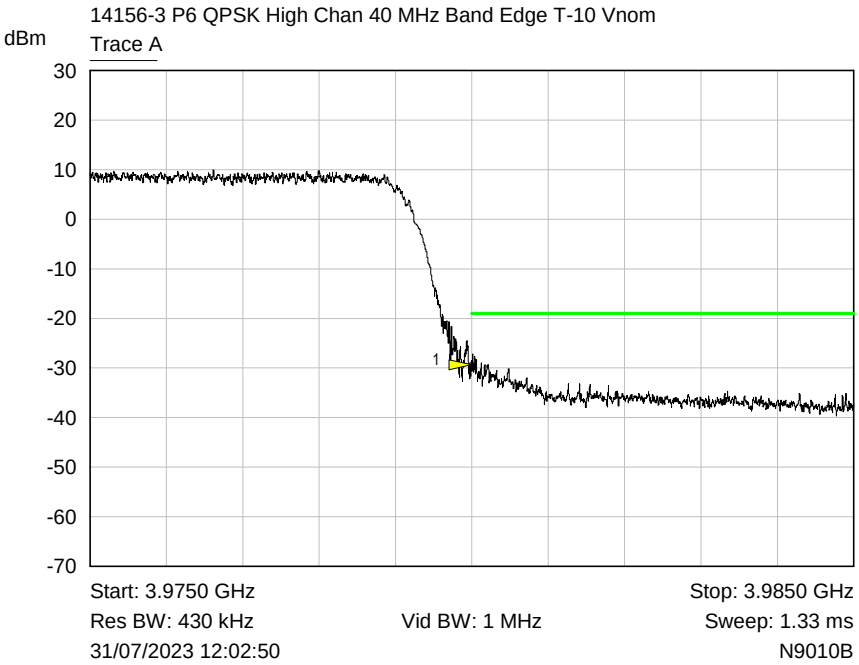
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-32.37 dBm	

-20 Degrees High Chan



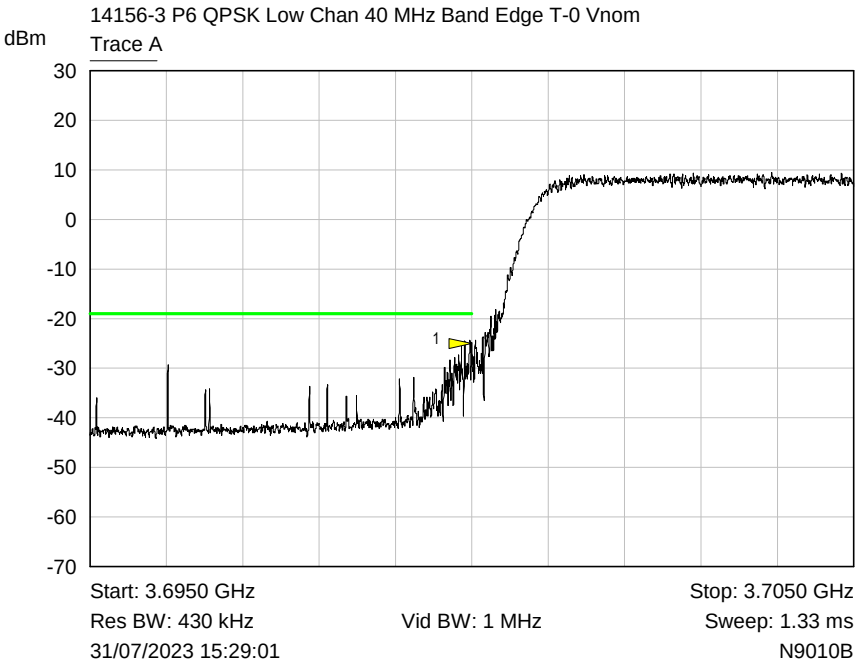
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-27.11 dBm	

-10 Degrees Low Chan



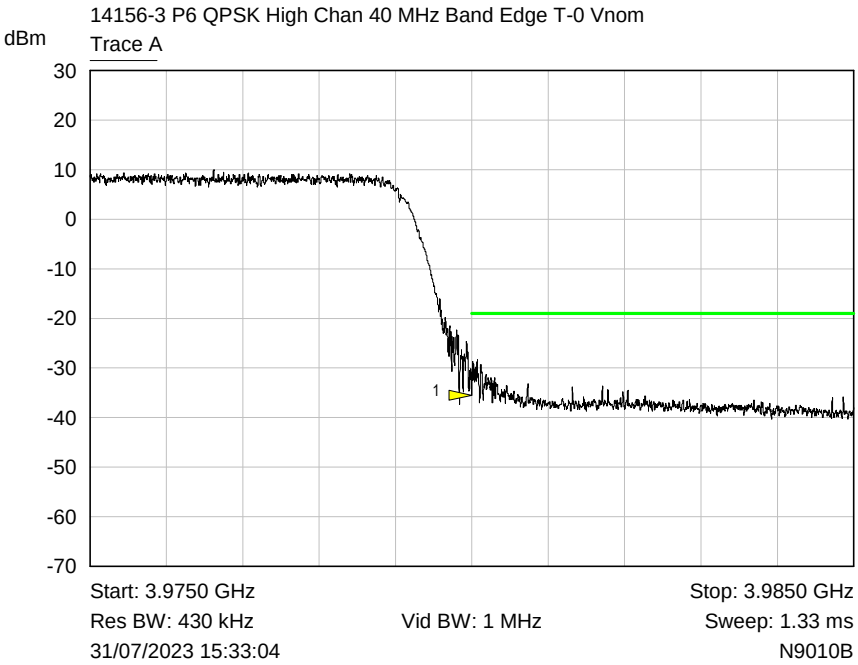
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-29.27 dBm	

-10 Degrees High Chan



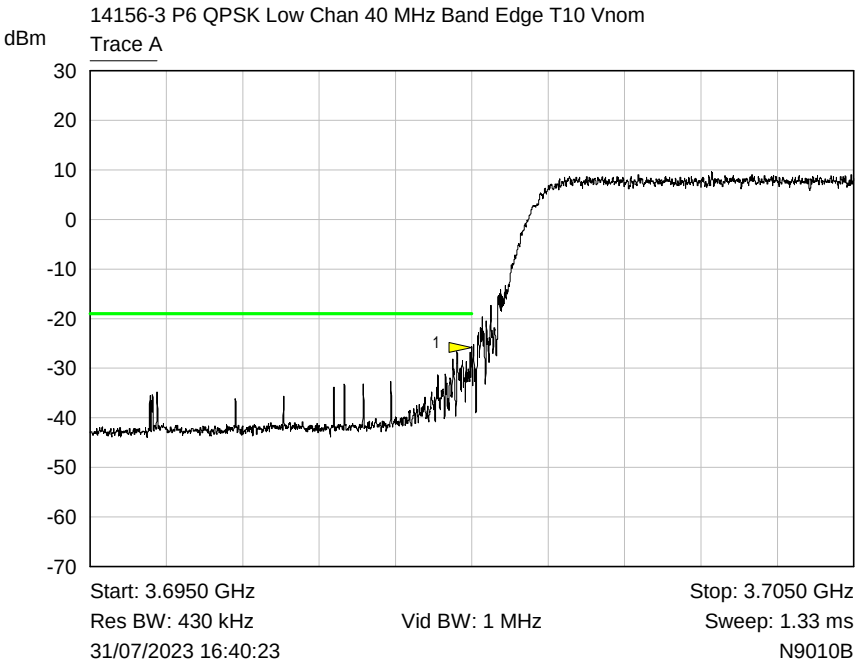
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-24.94 dBm	

0 Degrees Low Chan



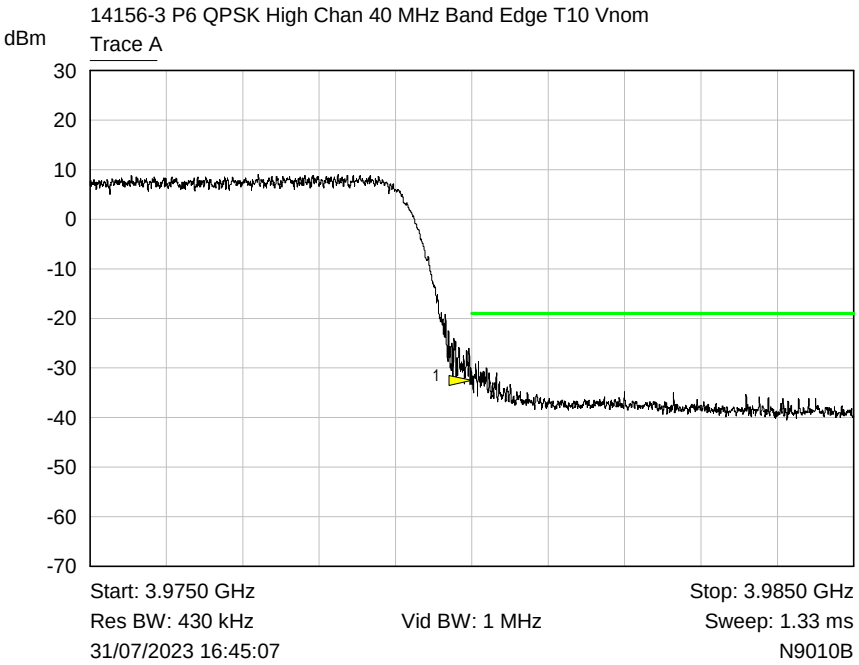
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-35.44 dBm	

0 Degrees High Chan



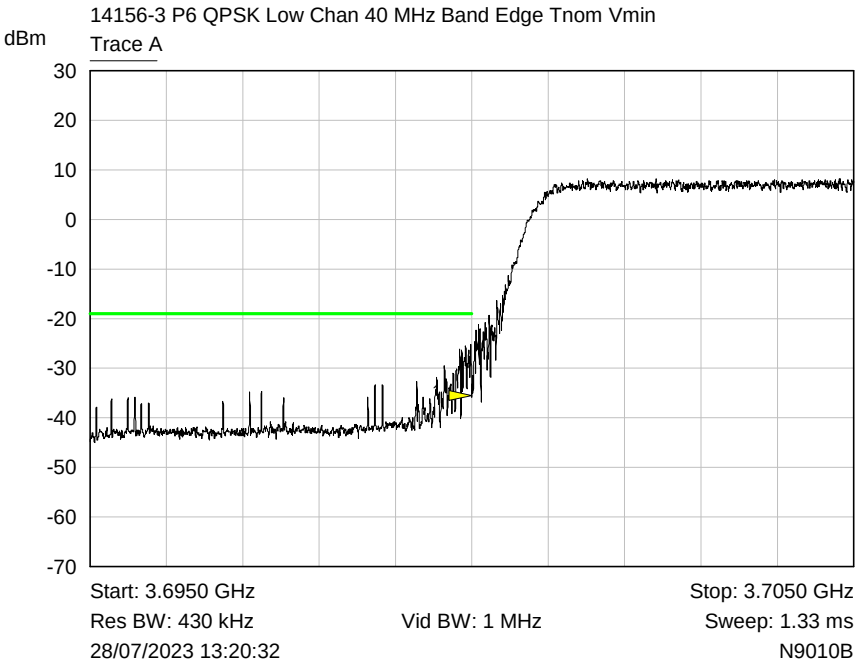
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-25.89 dBm	

+10 Degrees Low Chan



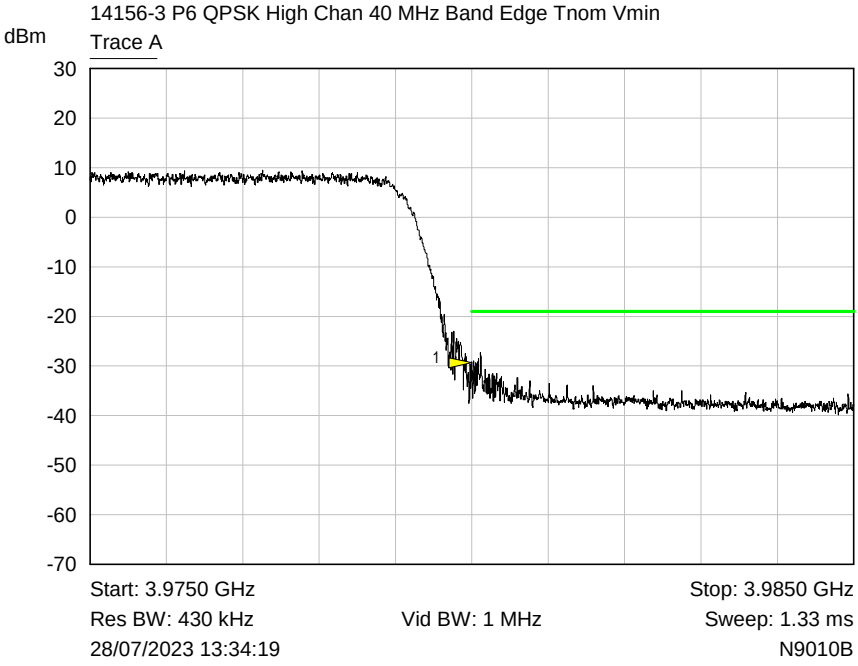
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-32.42 dBm	

+10 Degrees High Chan



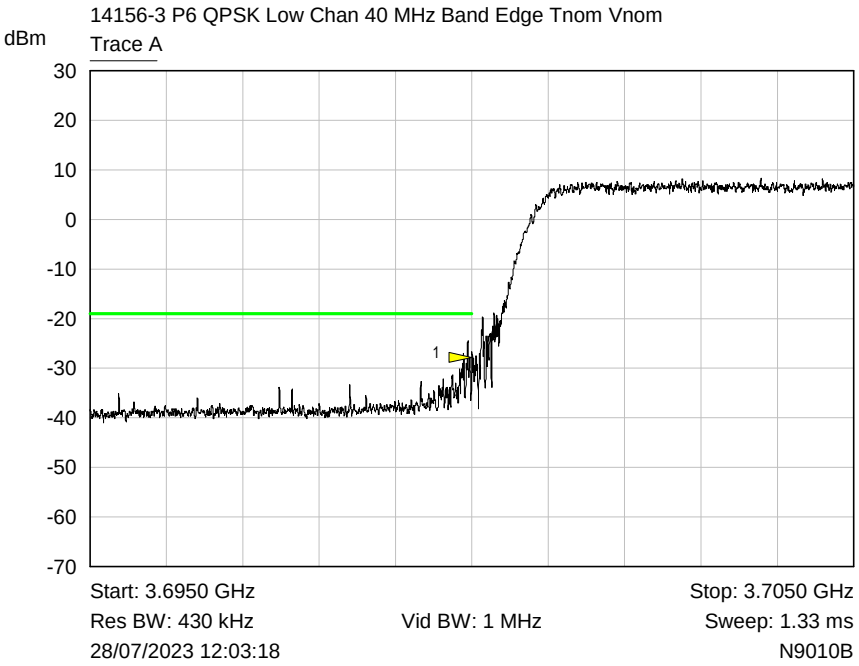
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-35.54 dBm	

+20 Degrees Min Voltage Low Chan



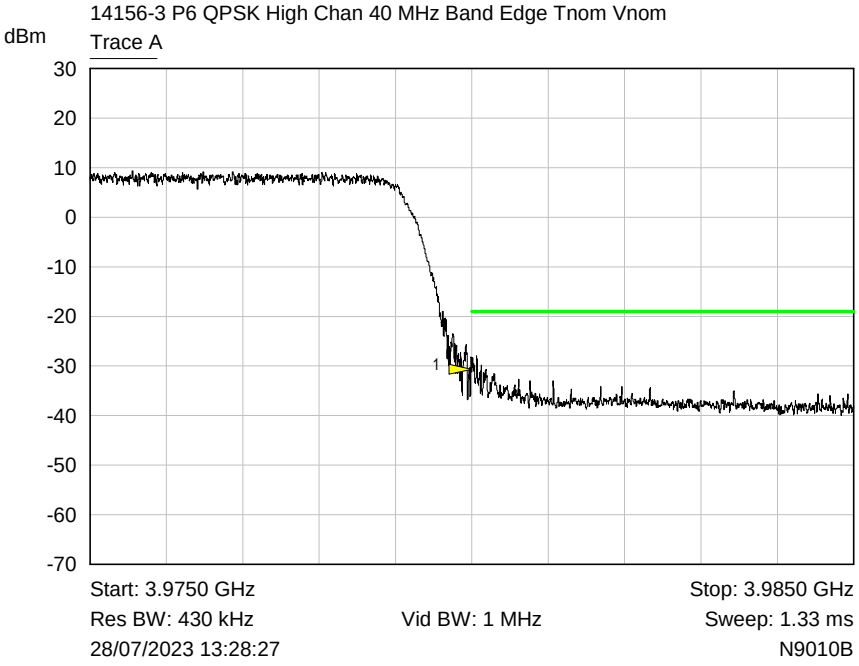
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-29.28 dBm	

+20 Degrees Min Voltage High Chan



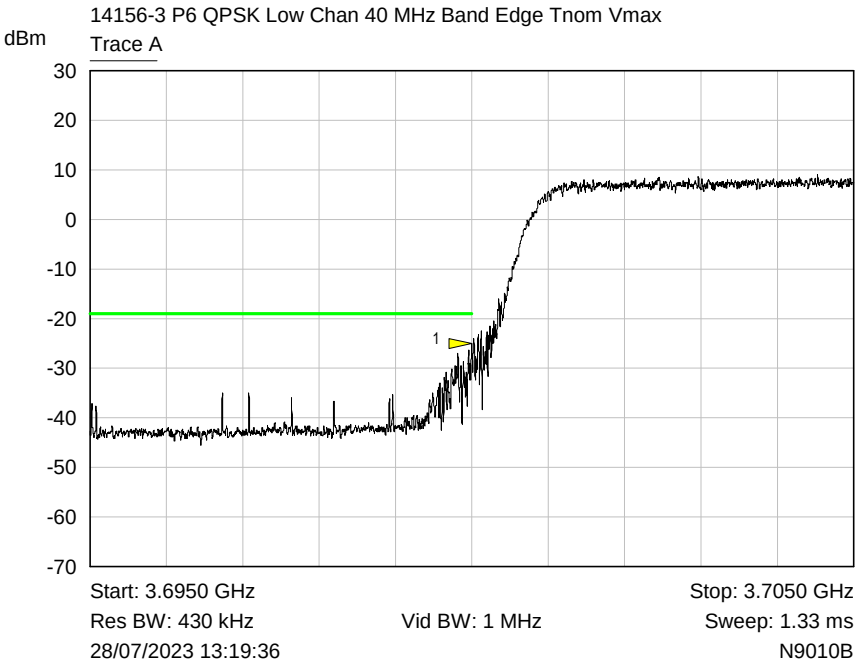
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-27.84 dBm	

+20 Degrees Nominal Voltage Low Chan



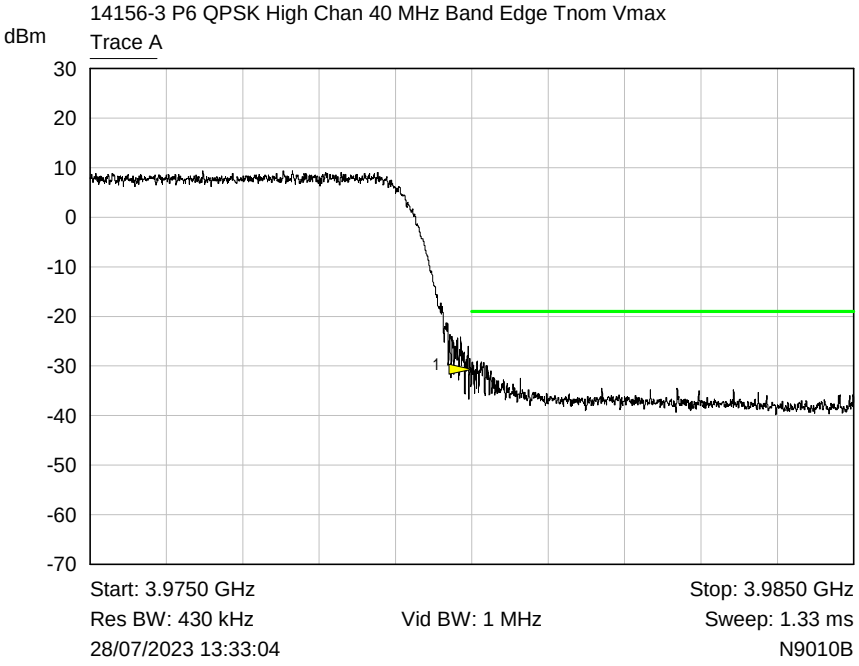
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-30.73 dBm	

+20 Degrees Nominal Voltage High Chan



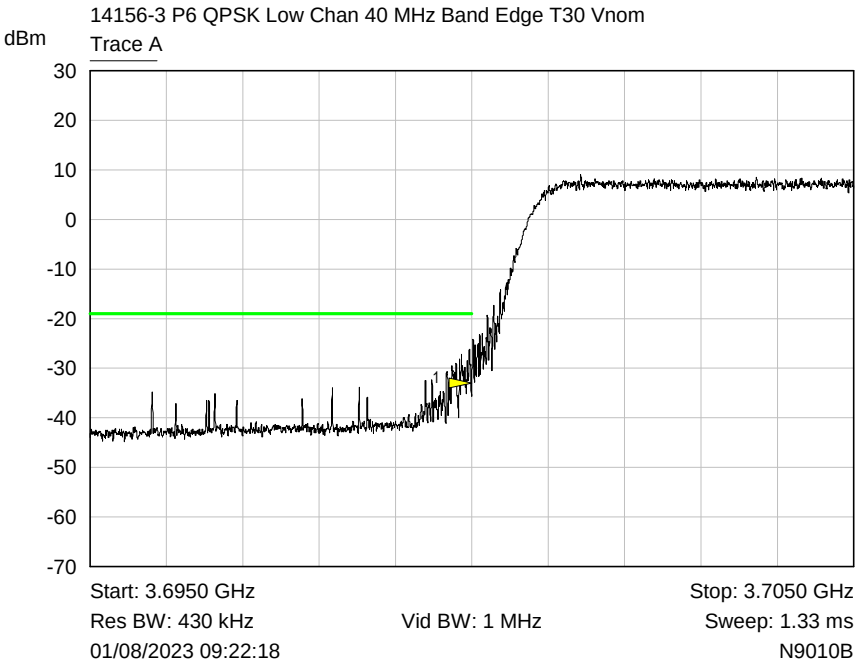
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-25.02 dBm	

+20 Degrees Max Voltage Low Chan



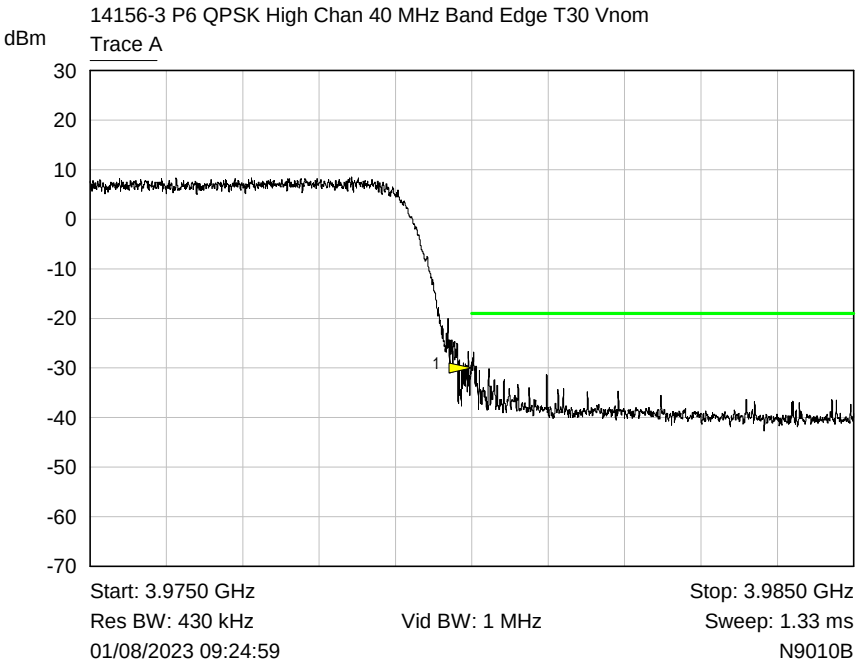
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-30.62 dBm	

+20 Degrees Max Voltage High Chan



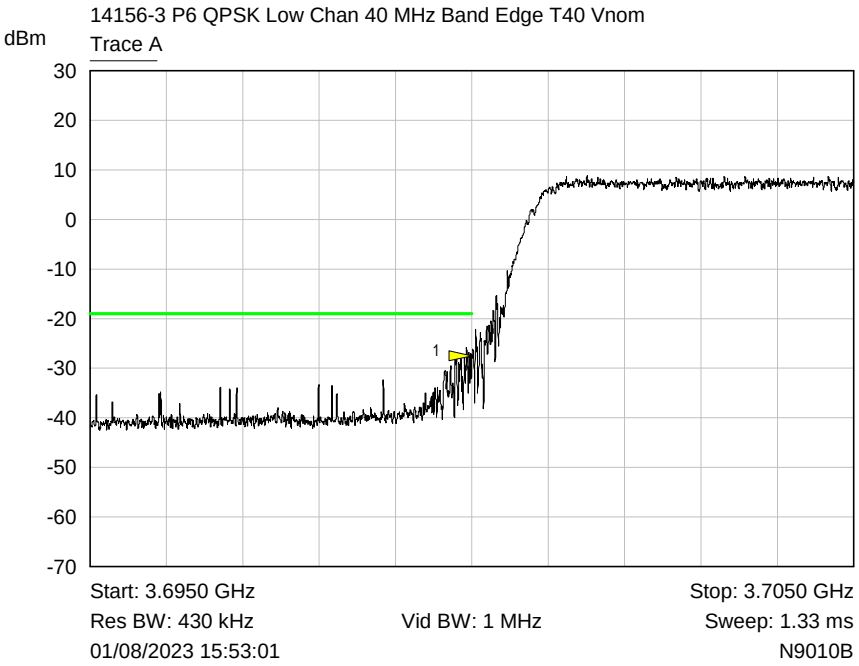
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-33.04 dBm	

+30 Degrees Low Chan



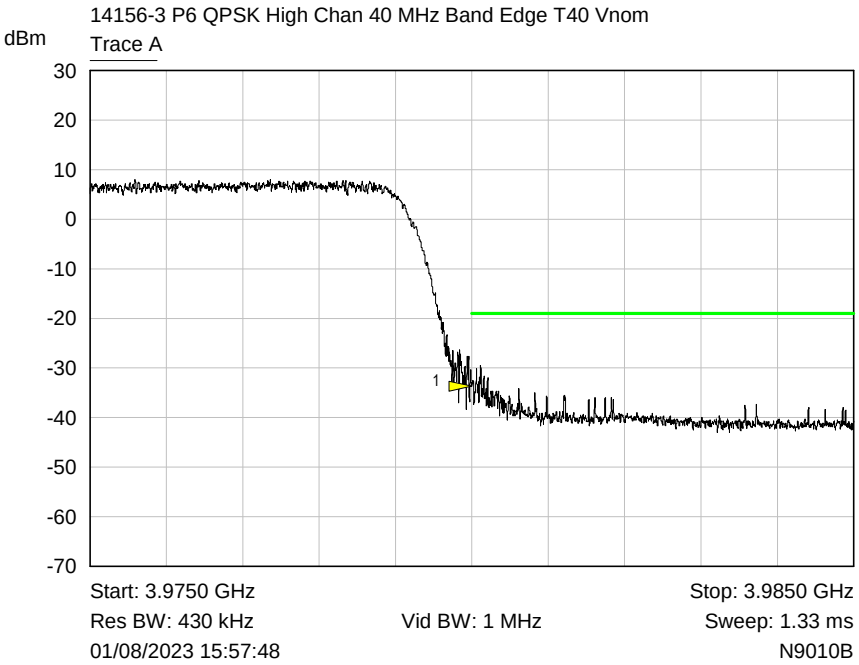
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-29.97 dBm	

+30 Degrees High Chan



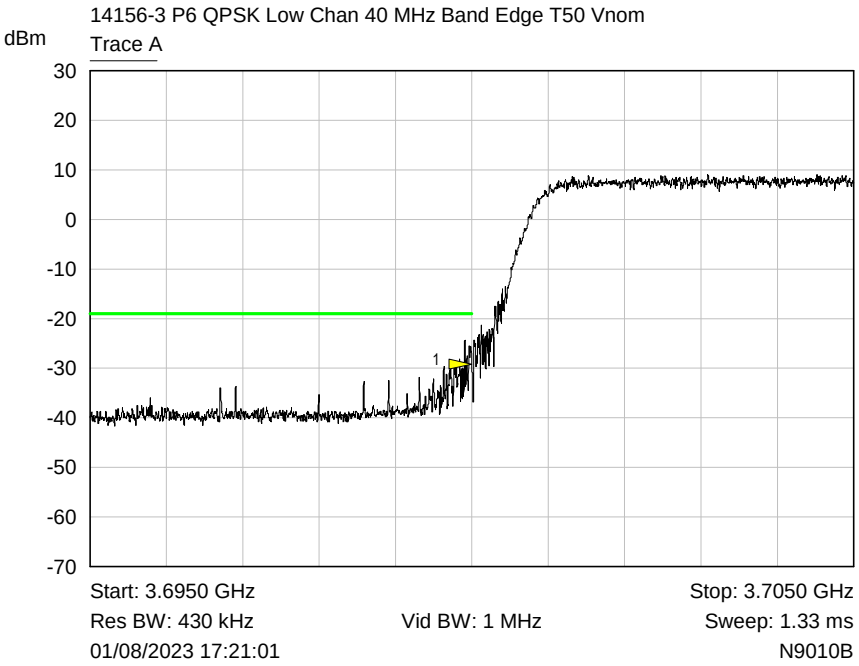
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-27.50 dBm	

+40 Degrees Low Chan



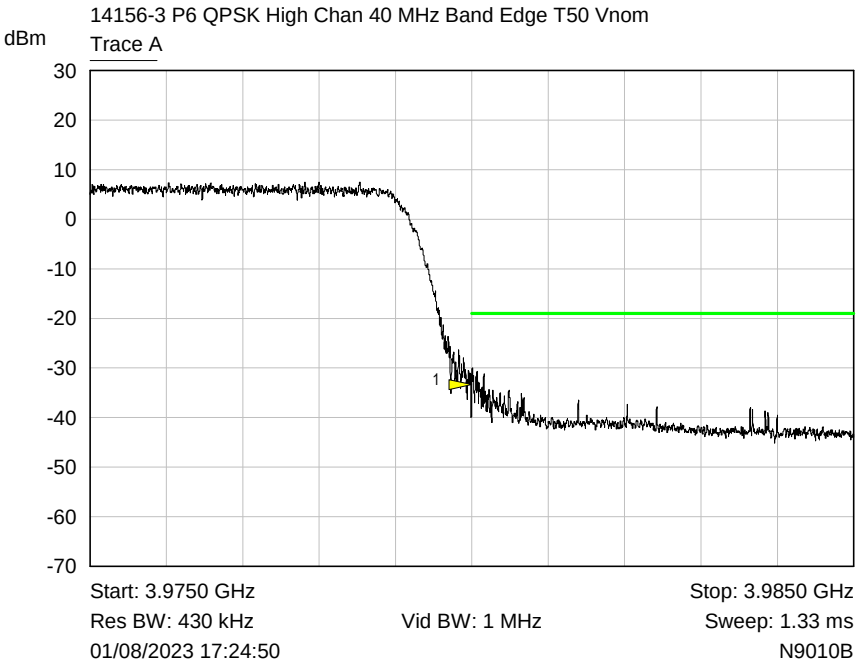
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-33.65 dBm	

+40 Degrees High Chan



Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-29.12 dBm	

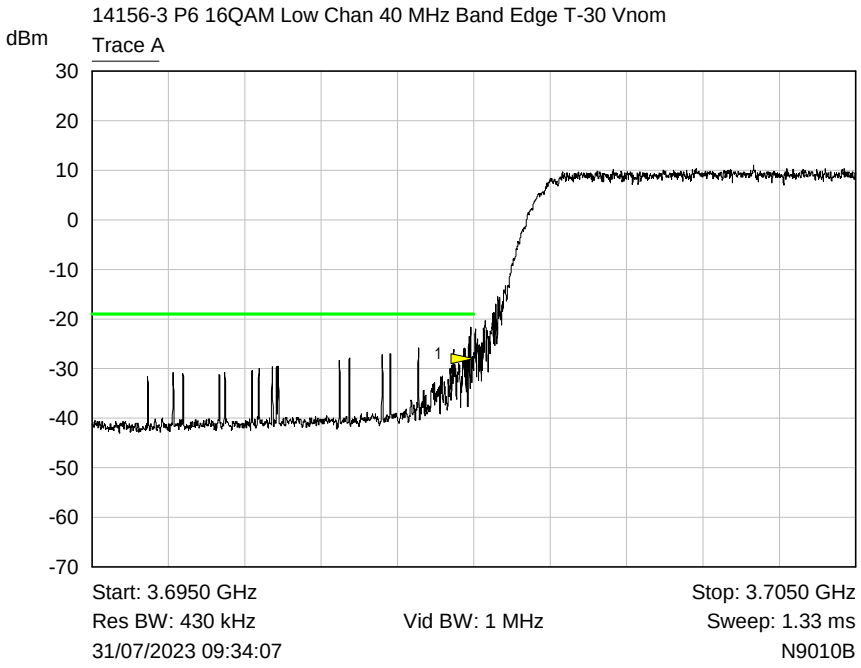
+50 Degrees Low Chan



Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-33.28 dBm	

+50 Degrees High Chan

RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 40 MHz, 16 QAM

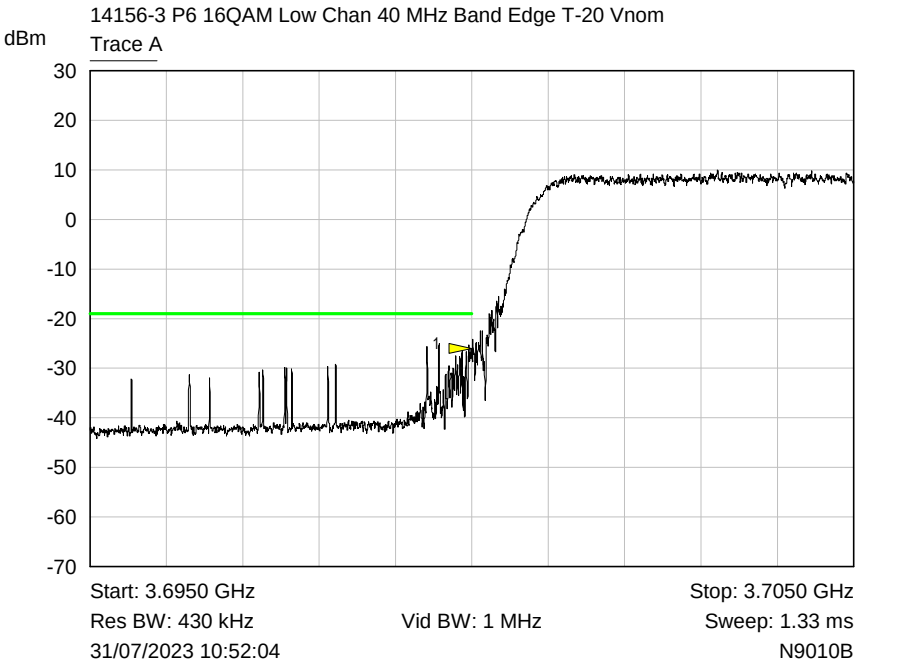


Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	3.7000 GHz	-27.97 dBm	

-30 Degrees Low Chan

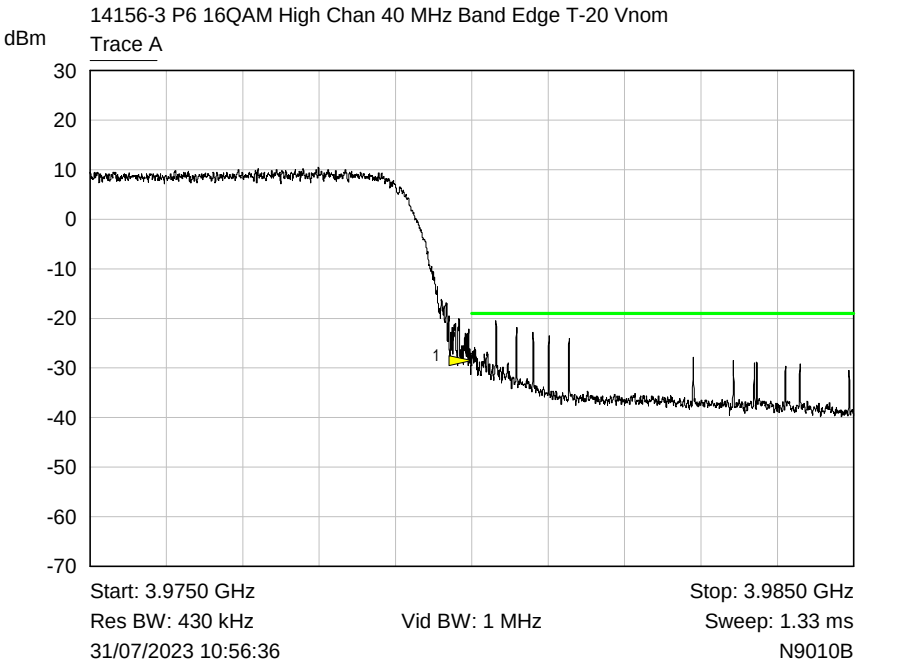
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	3.9800 GHz	-25.73 dBm	

-30 Degrees High Chan



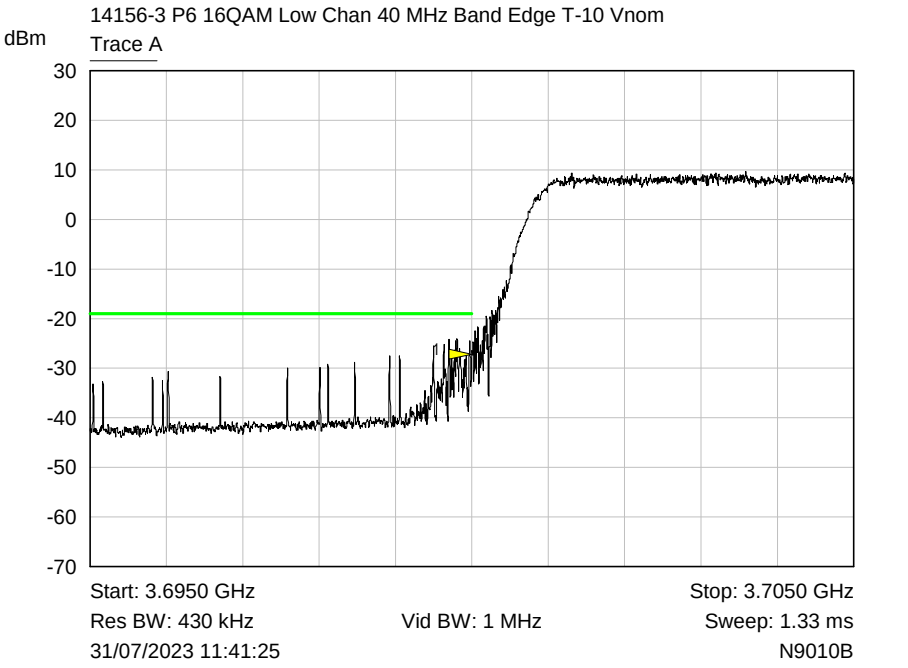
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-25.98 dBm	

-20 Degrees Low Chan



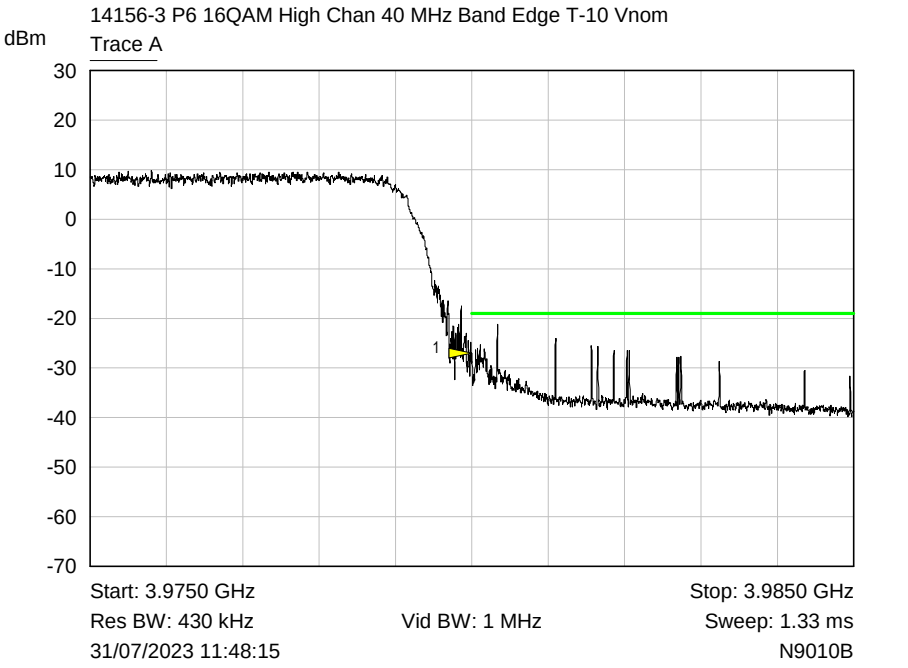
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-28.56 dBm	

-20 Degrees High Chan



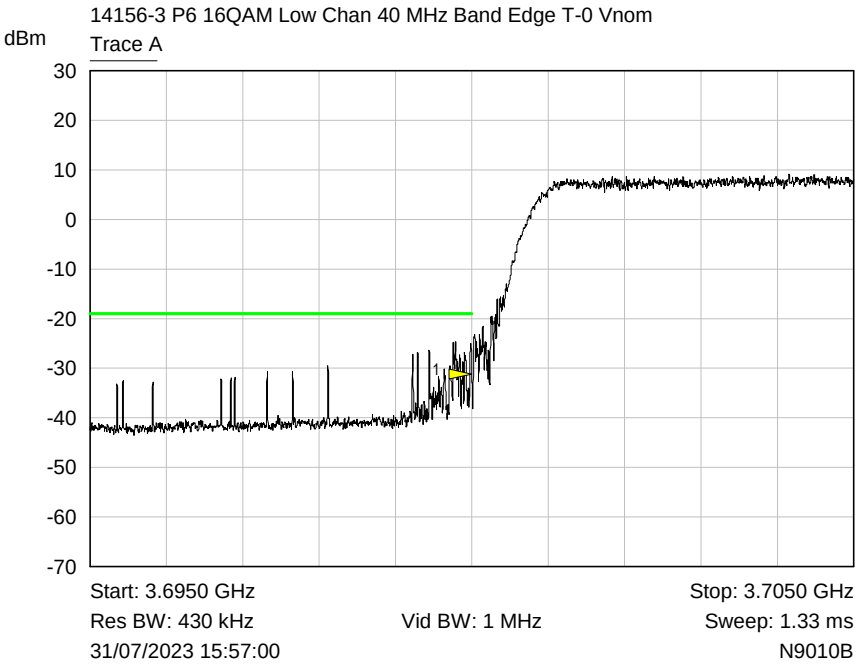
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-27.15 dBm	

-10 Degrees Low Chan



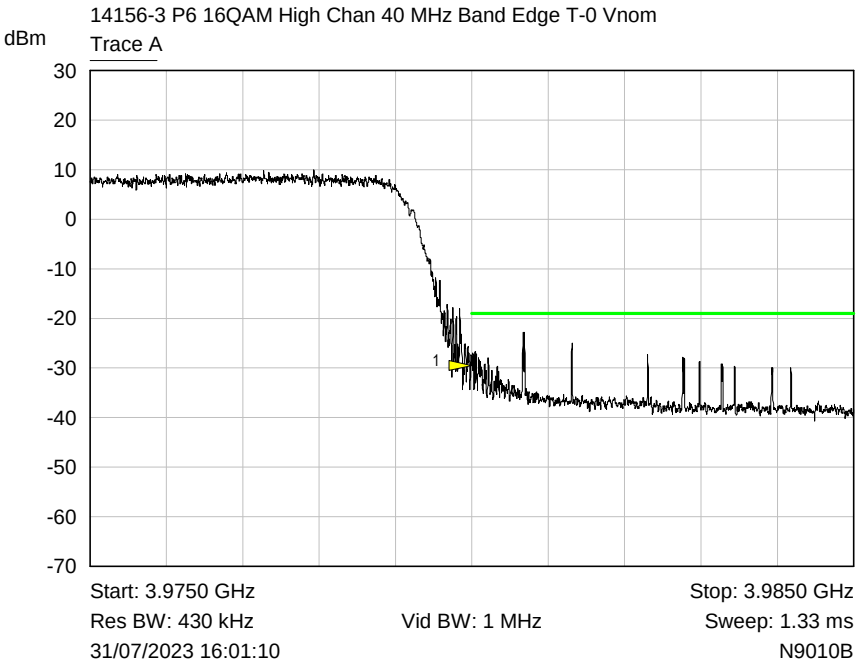
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-27.04 dBm	

-10 Degrees High Chan



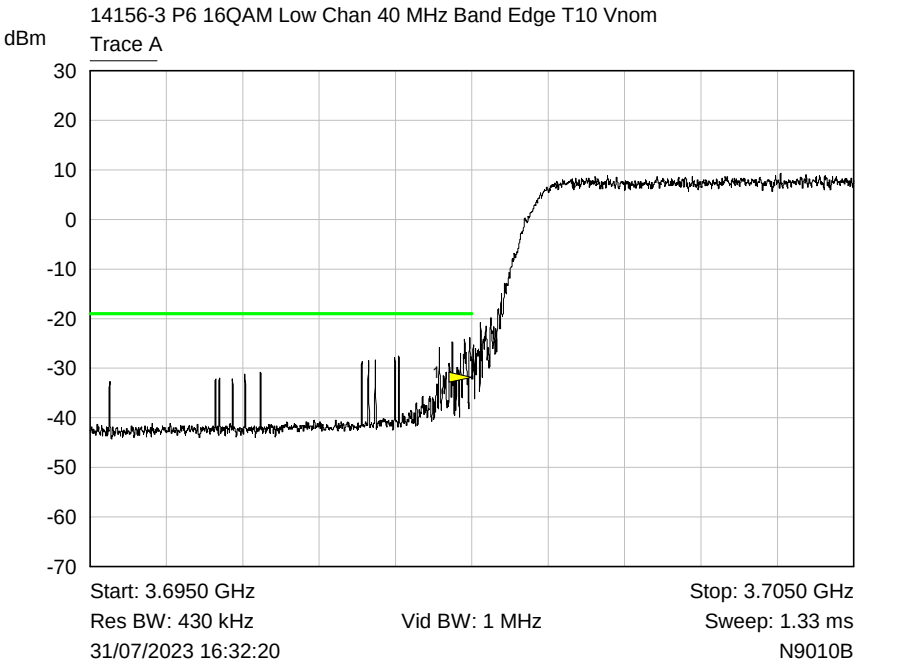
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-31.25 dBm	

0 Degrees Low Chan



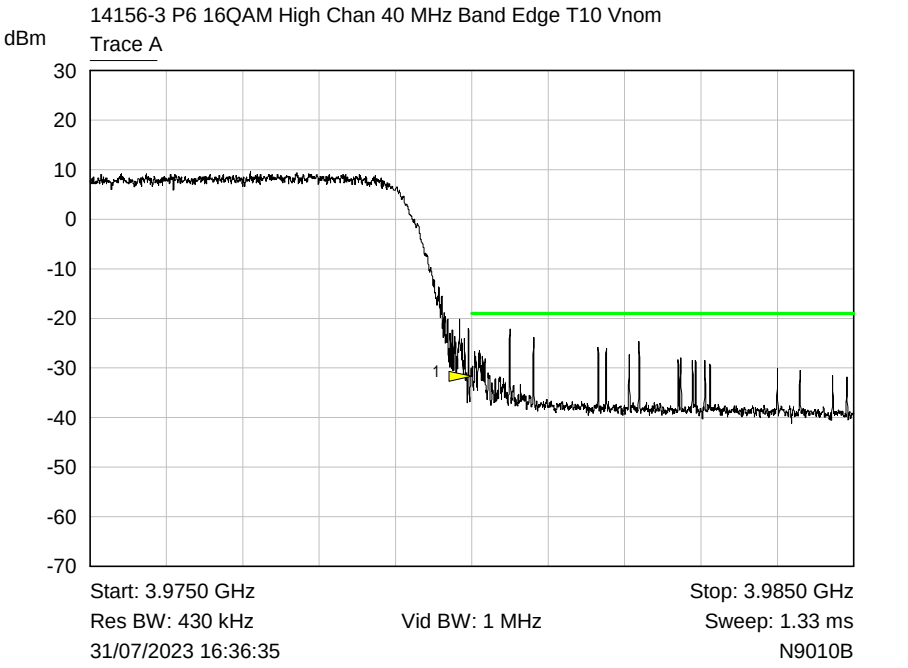
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-29.52 dBm	

0 Degrees High Chan



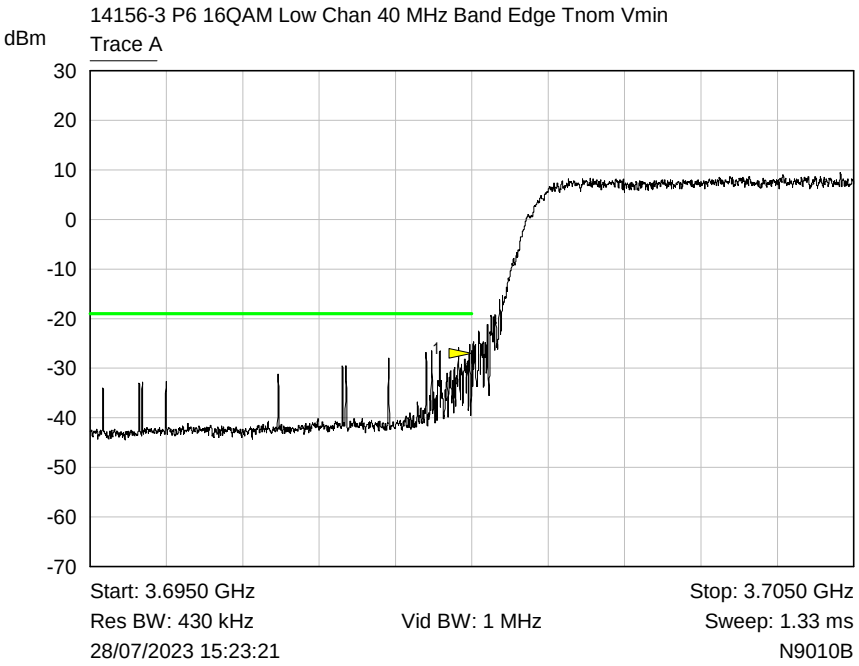
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-31.84 dBm	

+10 Degrees Low Chan



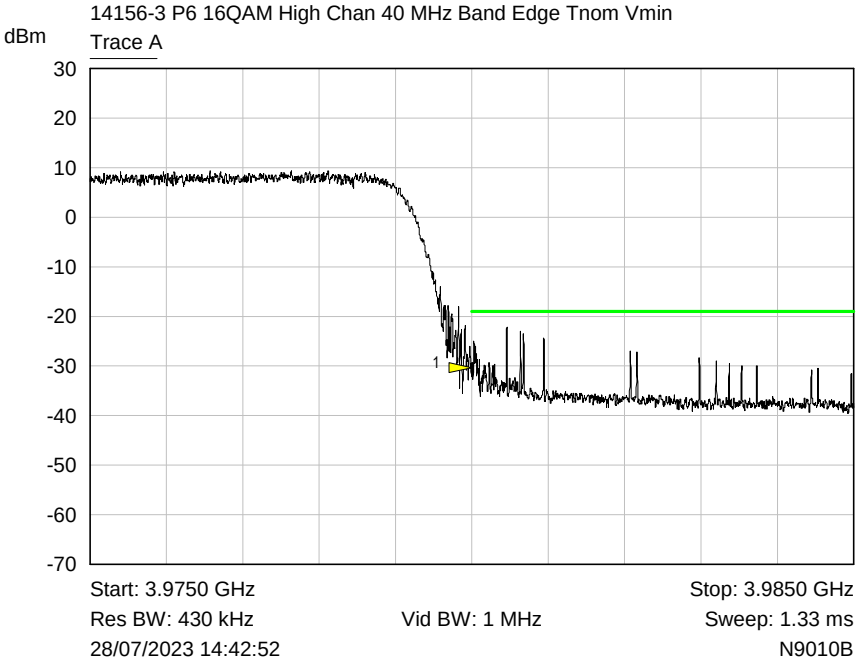
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-31.59 dBm	

+10 Degrees High Chan



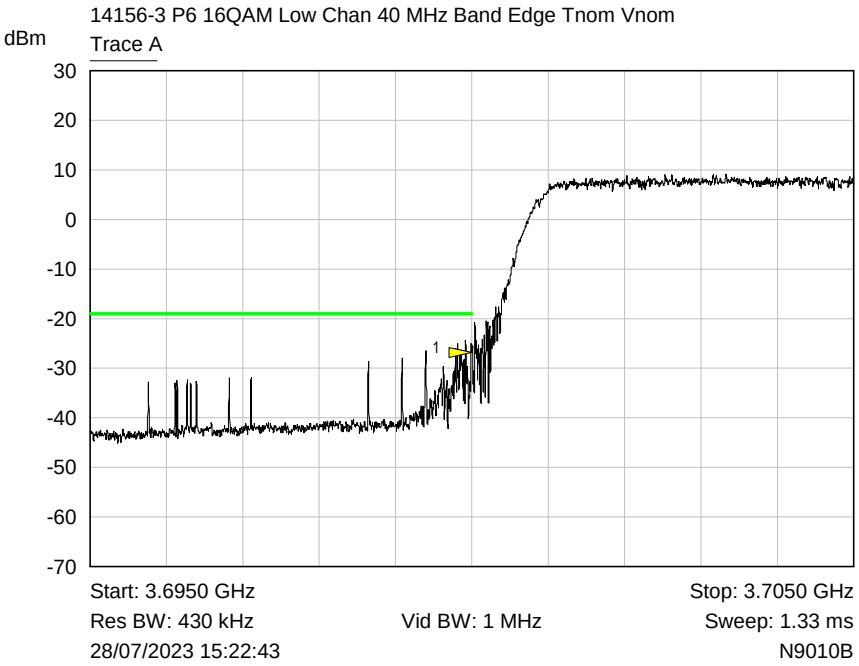
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-27.02 dBm	

+20 Degrees Min Voltage Low Chan



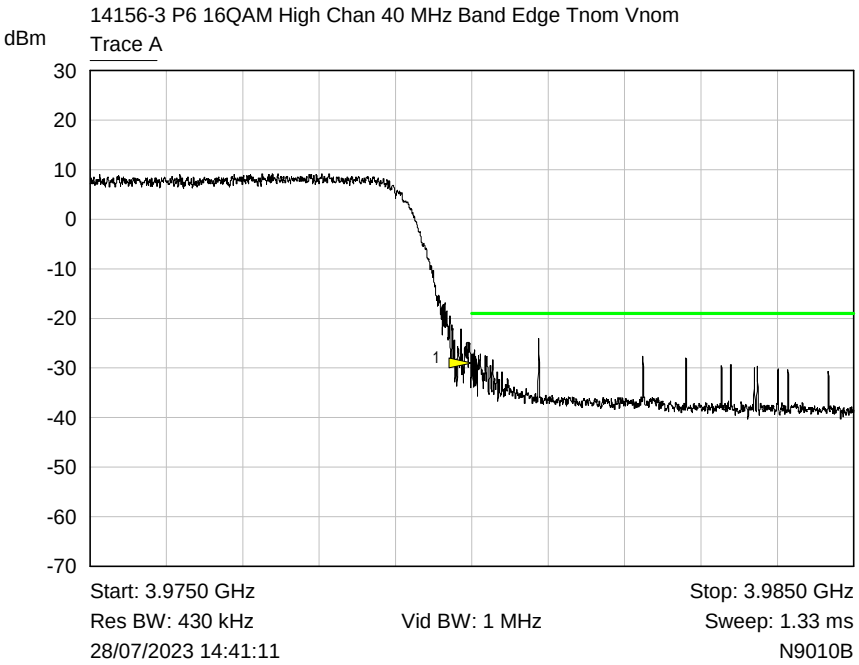
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-30.37 dBm	

+20 Degrees Min Voltage High Chan



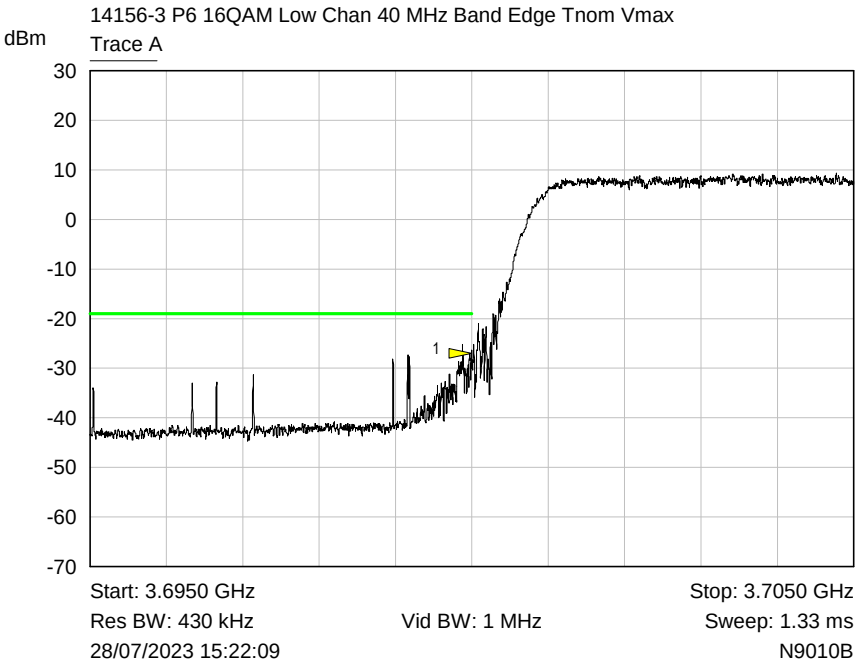
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-26.84 dBm	

+20 Degrees Nominal Voltage Low Chan



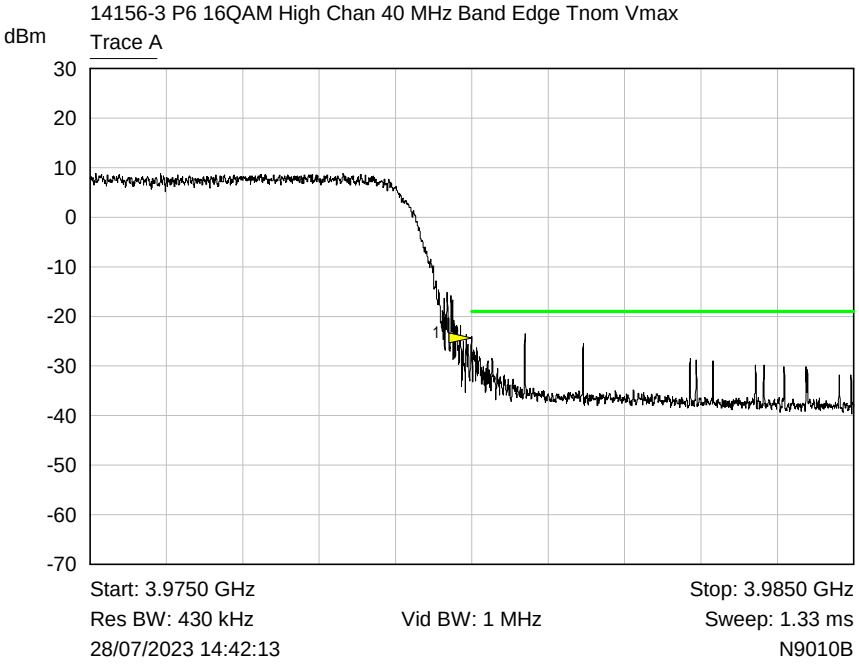
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-28.93 dBm	

+20 Degrees Nominal Voltage High Chan



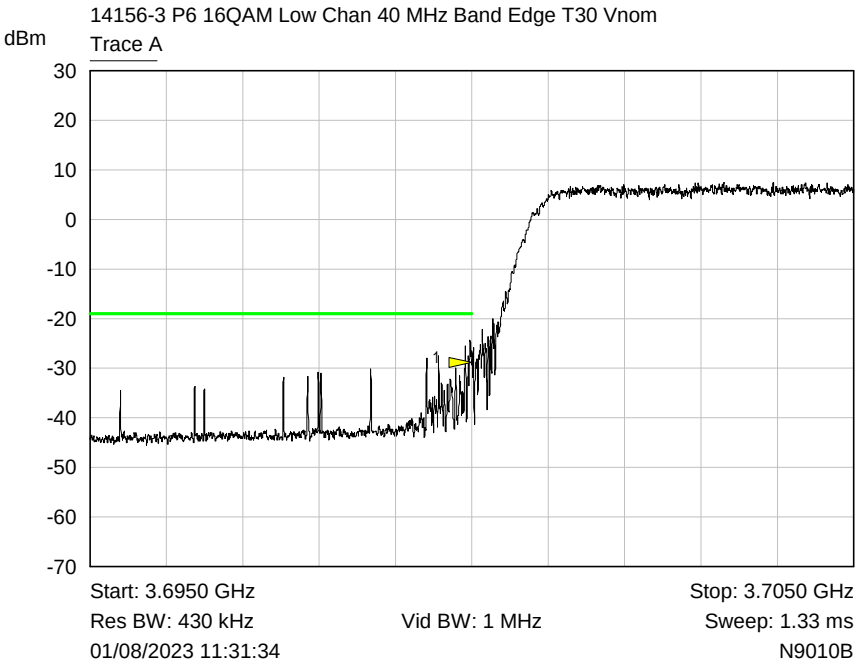
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-27.06 dBm	

+20 Degrees Max Voltage Low Chan



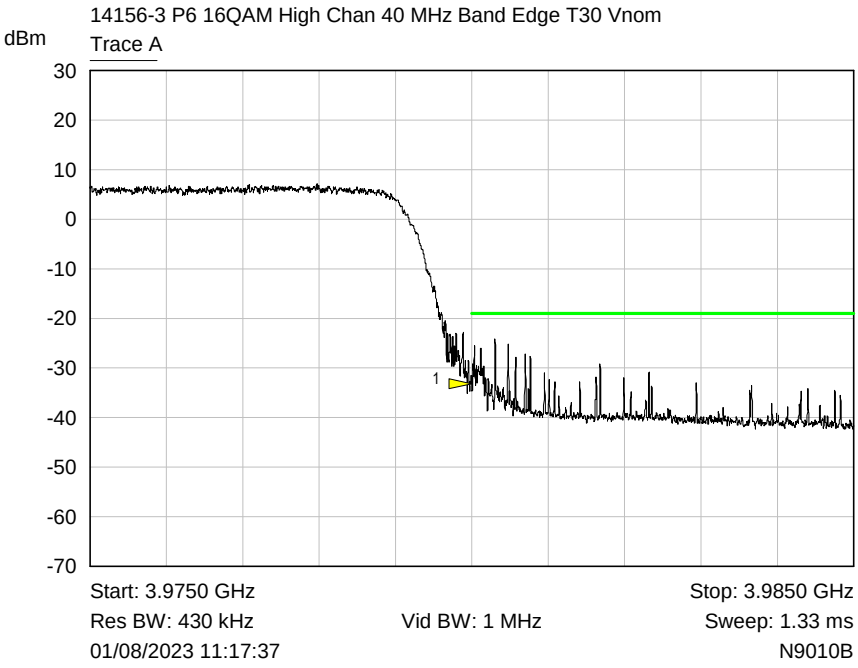
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-24.29 dBm	

+20 Degrees Max Voltage High Chan



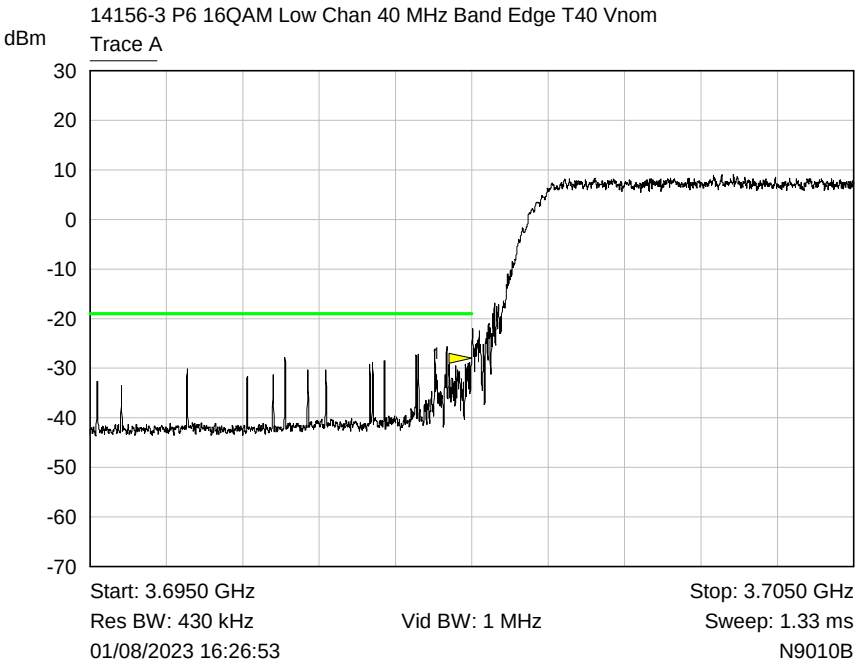
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-28.82 dBm	

+30 Degrees Low Chan



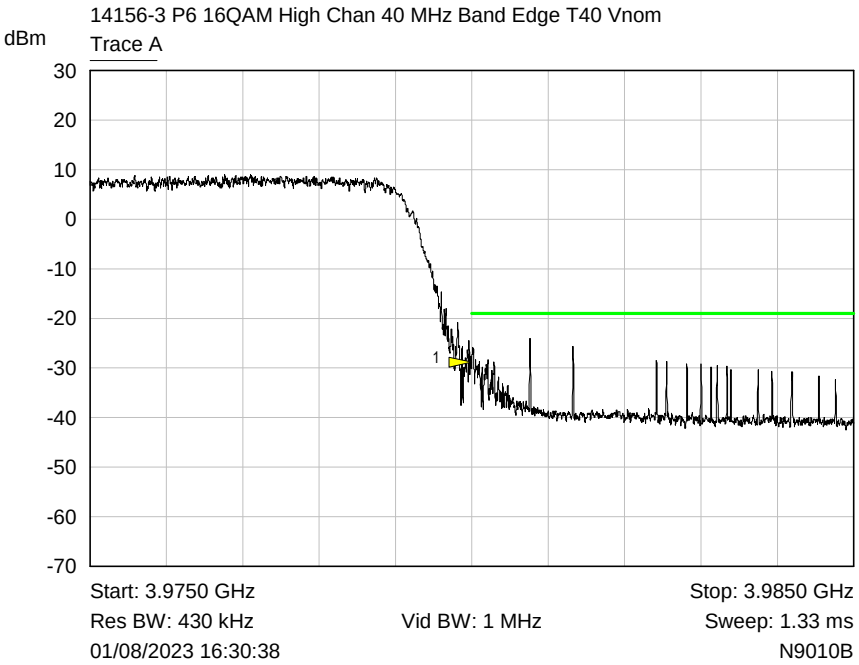
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-33.14 dBm	

+30 Degrees High Chan



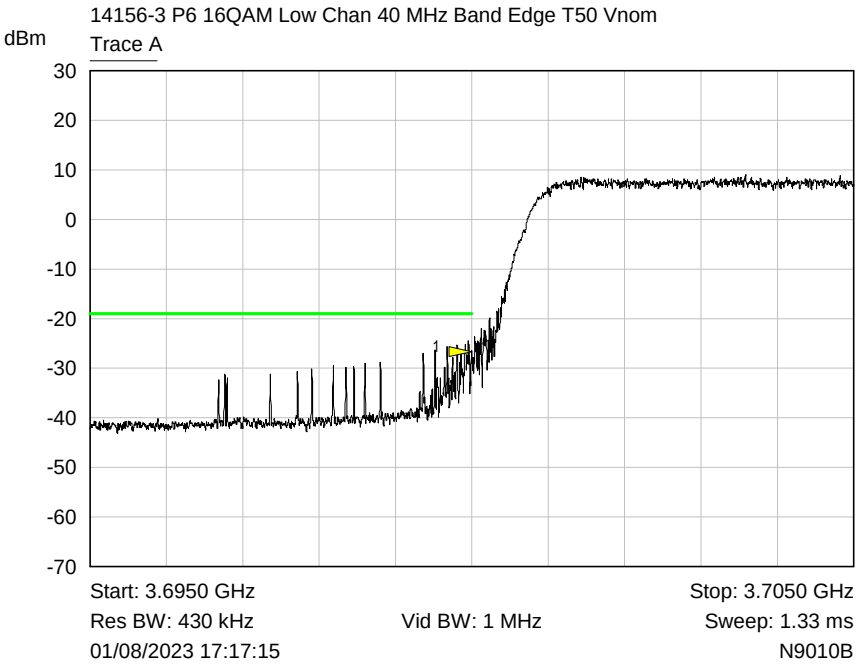
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-27.95 dBm	

+40 Degrees Low Chan



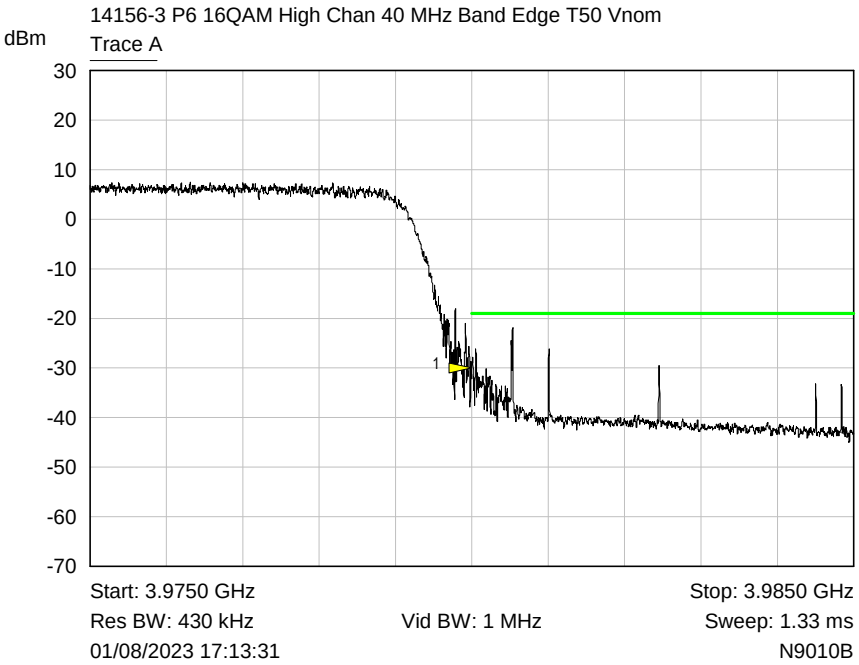
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-28.82 dBm	

+40 Degrees High Chan



Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-26.70 dBm	

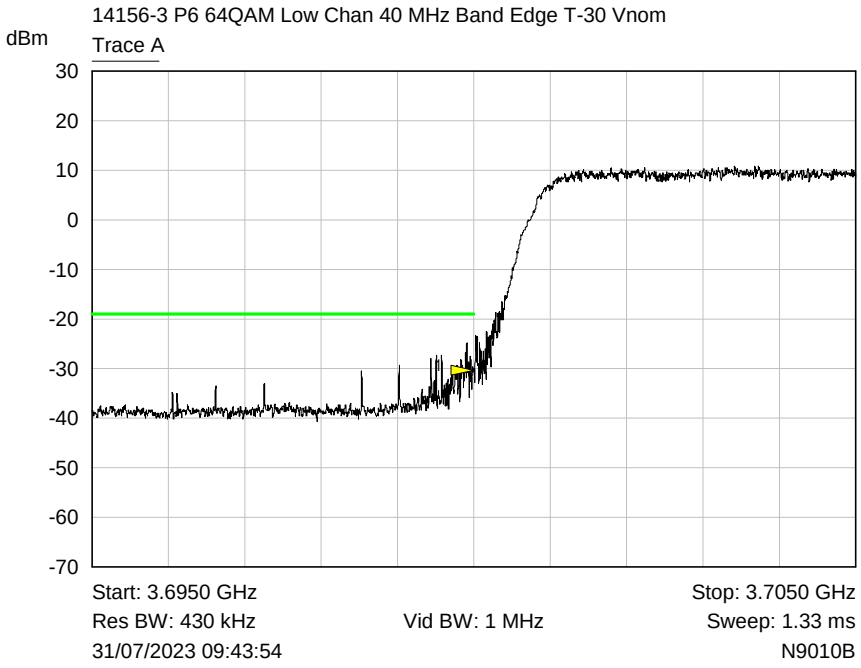
+50 Degrees Low Chan



Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-30.07 dBm	

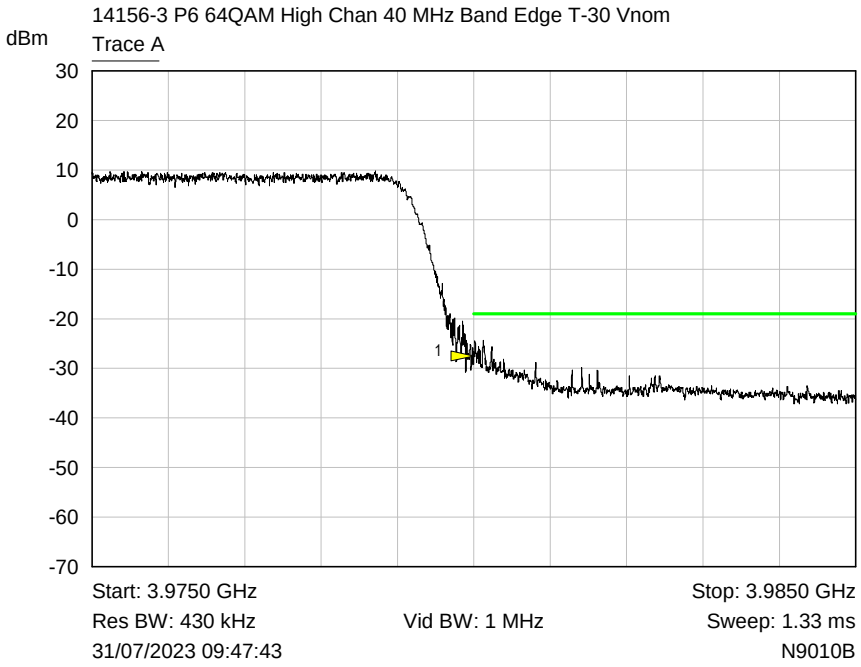
+50 Degrees High Chan

RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 40 MHz, 64 QAM



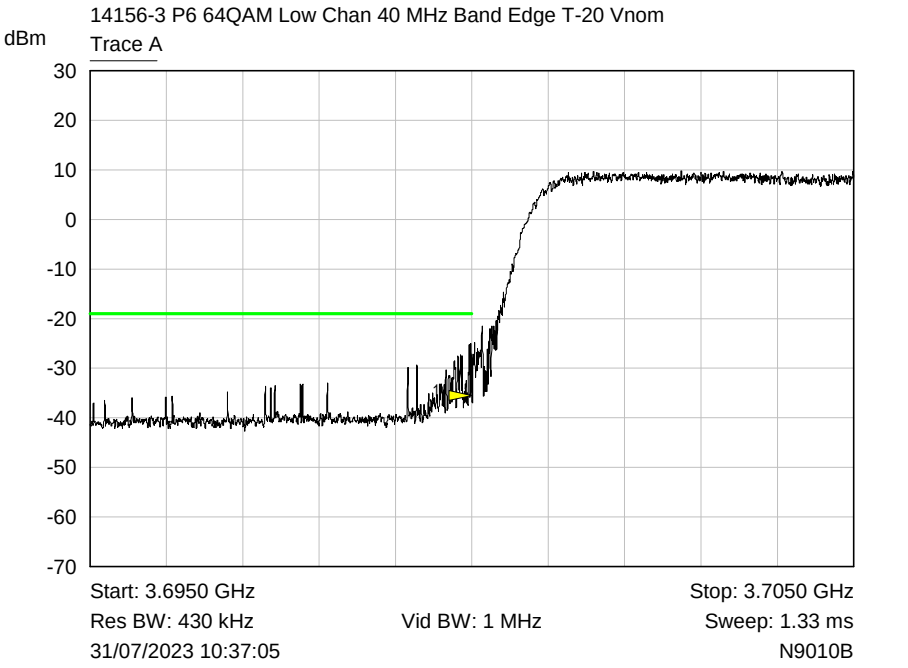
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-30.26 dBm	

-30 Degrees Low Chan



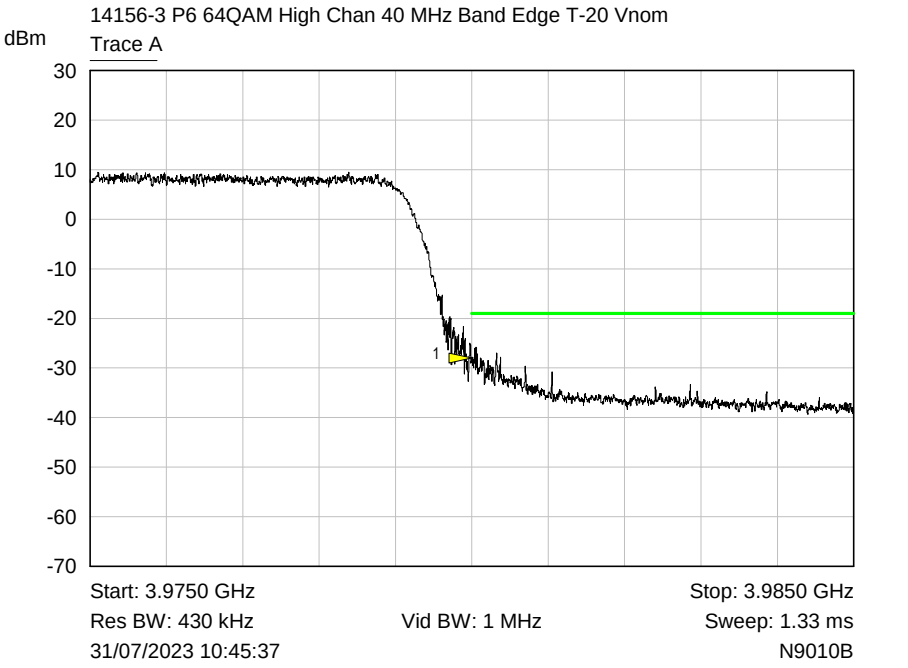
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-27.51 dBm	

-30 Degrees High Chan



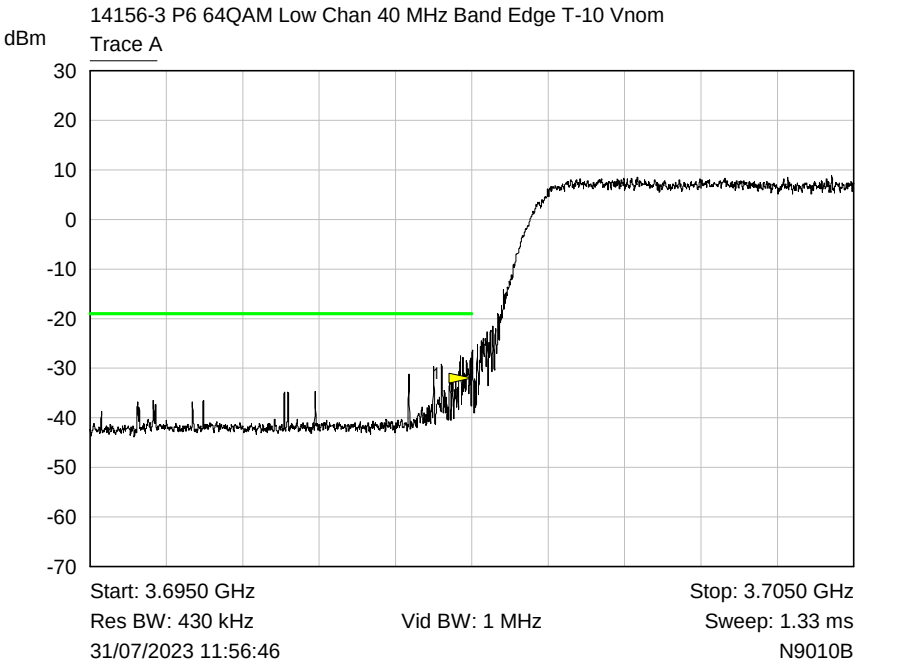
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-35.49 dBm	

-20 Degrees Low Chan



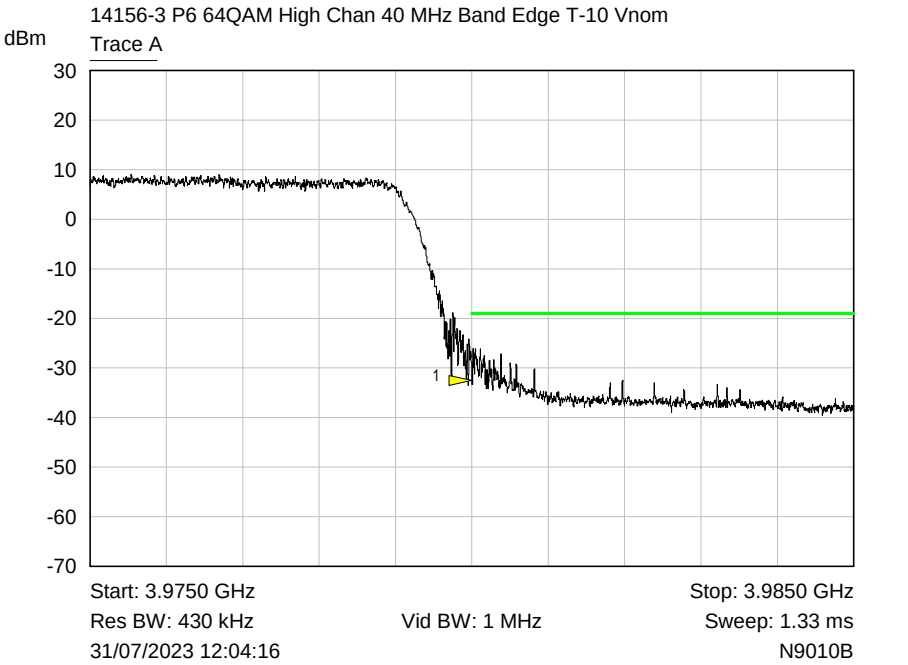
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-27.95 dBm	

-20 Degrees High Chan



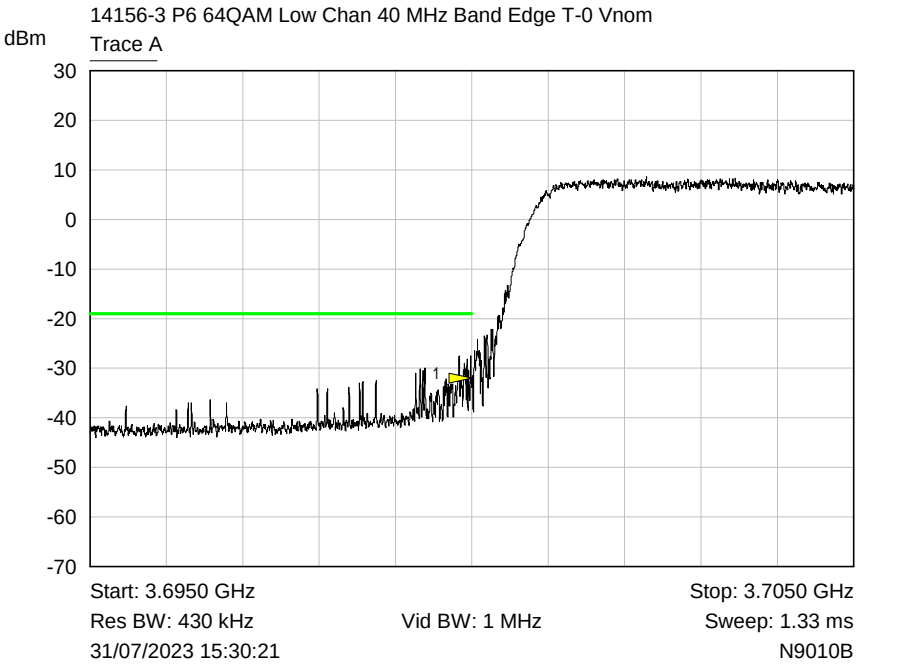
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-31.96 dBm	

-10 Degrees Low Chan



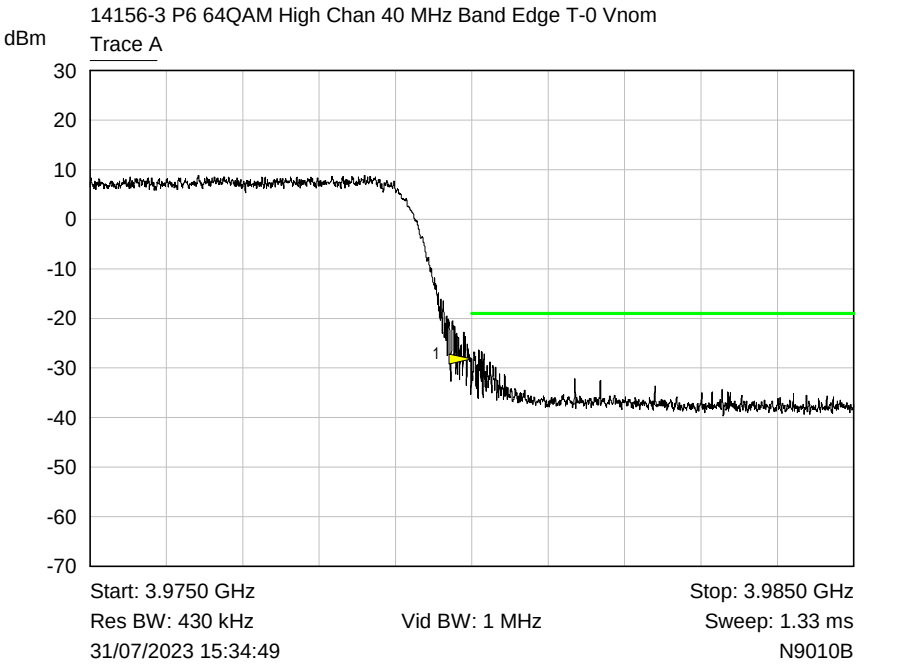
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-32.54 dBm	

-10 Degrees High Chan



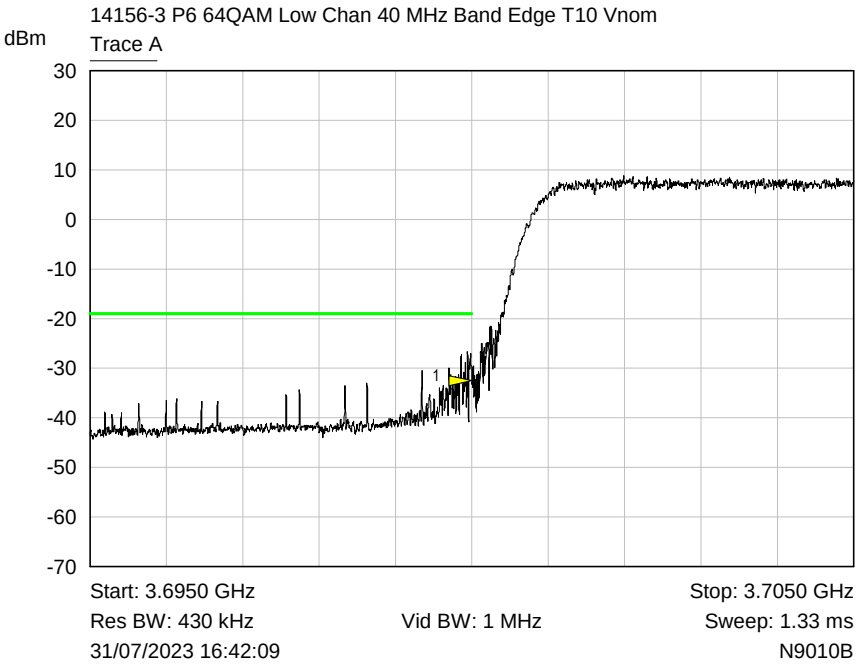
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-32.05 dBm	

0 Degrees Low Chan



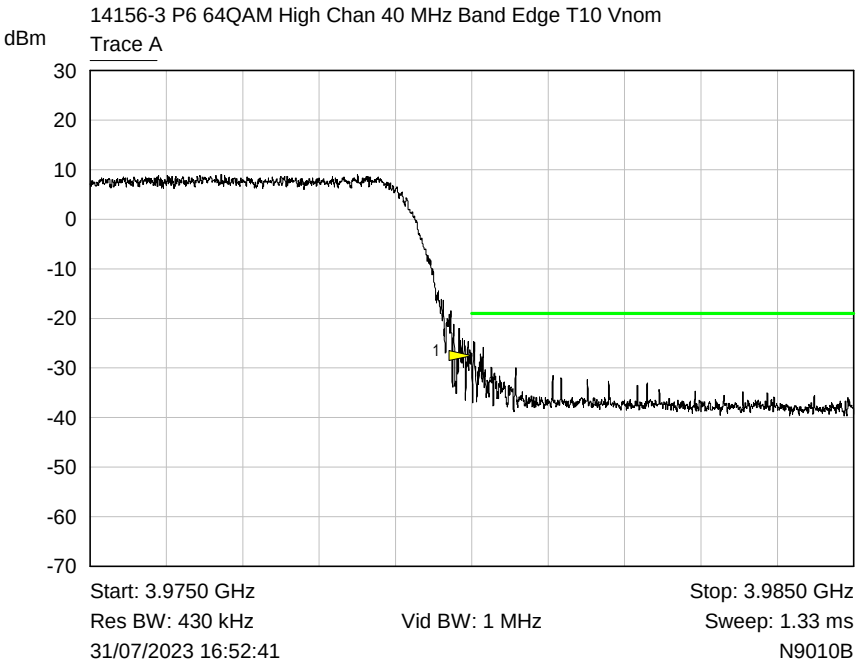
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-28.18 dBm	

0 Degrees High Chan



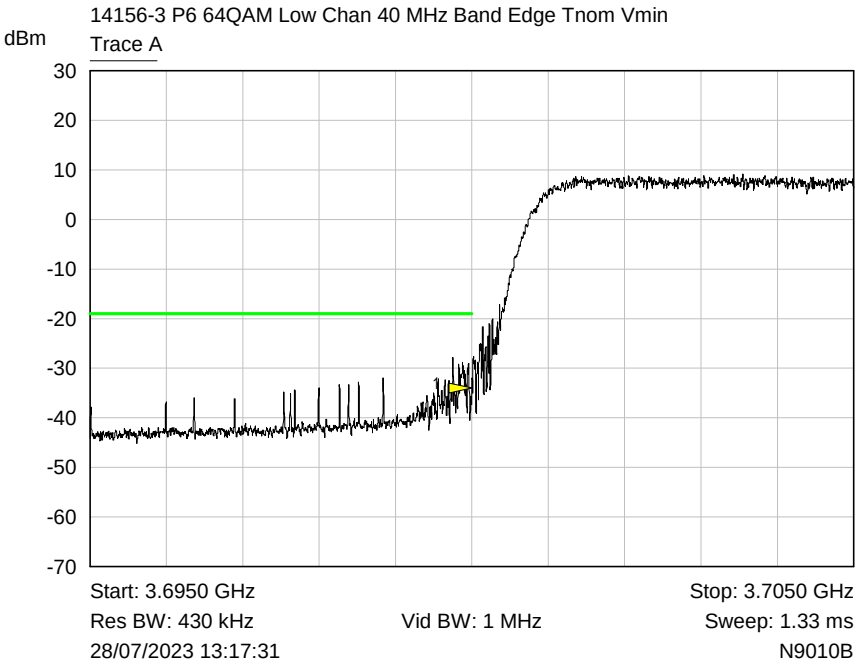
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-32.56 dBm	

+10 Degrees Low Chan



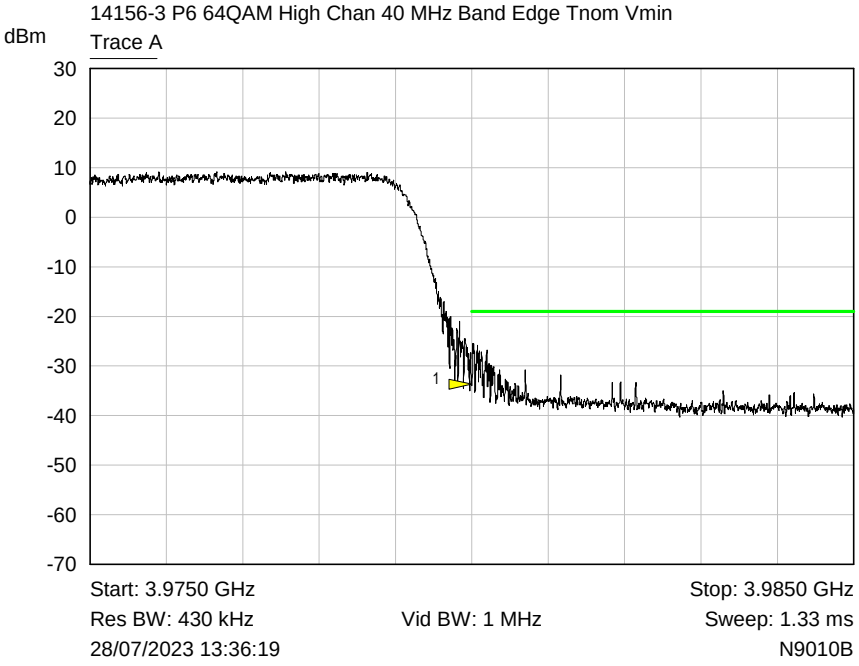
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-27.49 dBm	

+10 Degrees High Chan



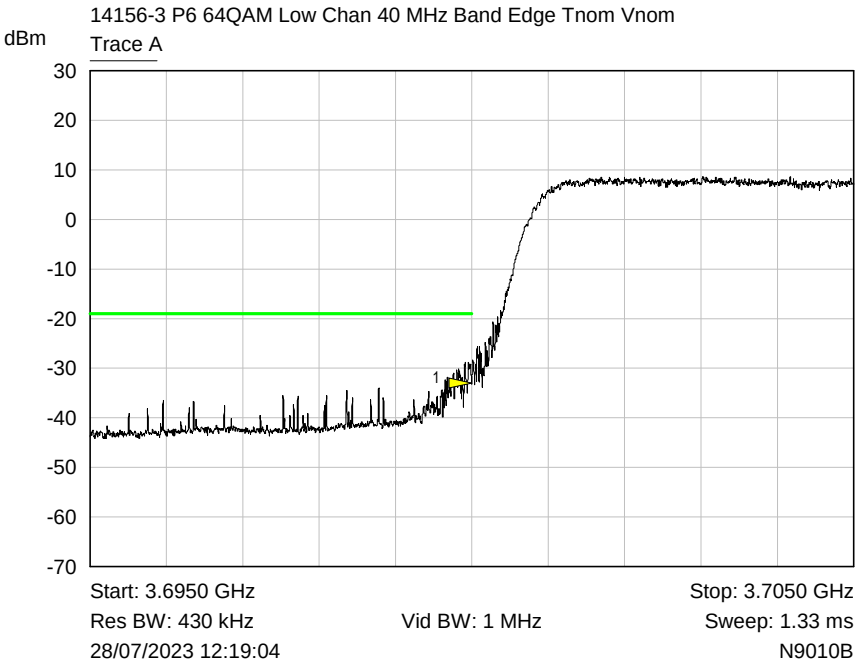
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-34.03 dBm	

+20 Degrees Min Voltage Low Chan



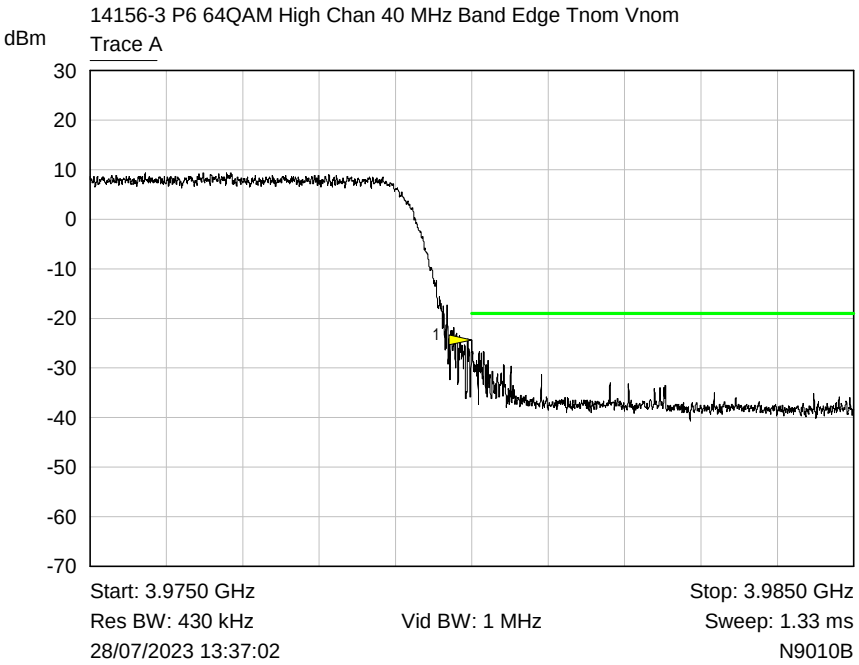
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-33.71 dBm	

+20 Degrees Min Voltage High Chan



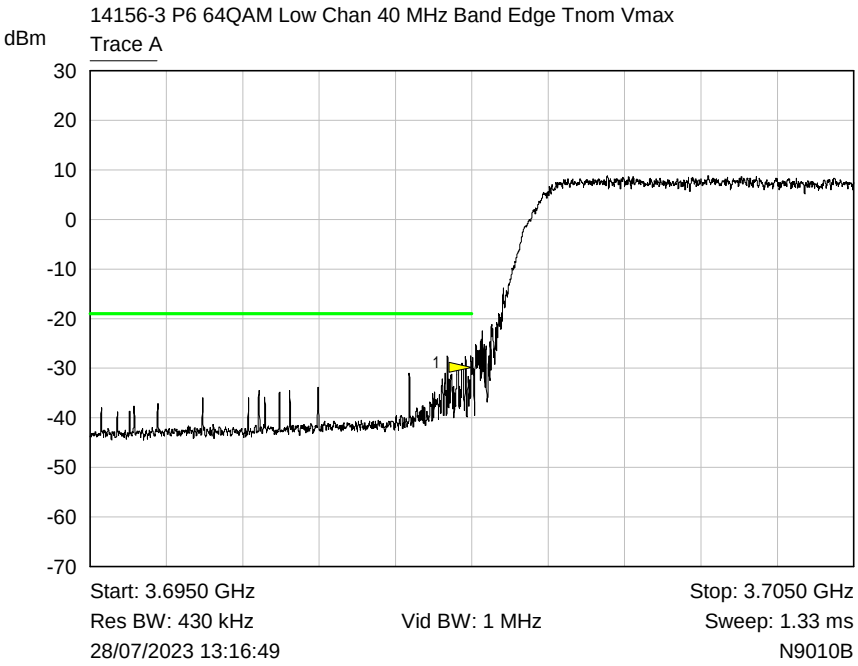
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-32.98 dBm	

+20 Degrees Nominal Voltage Low Chan



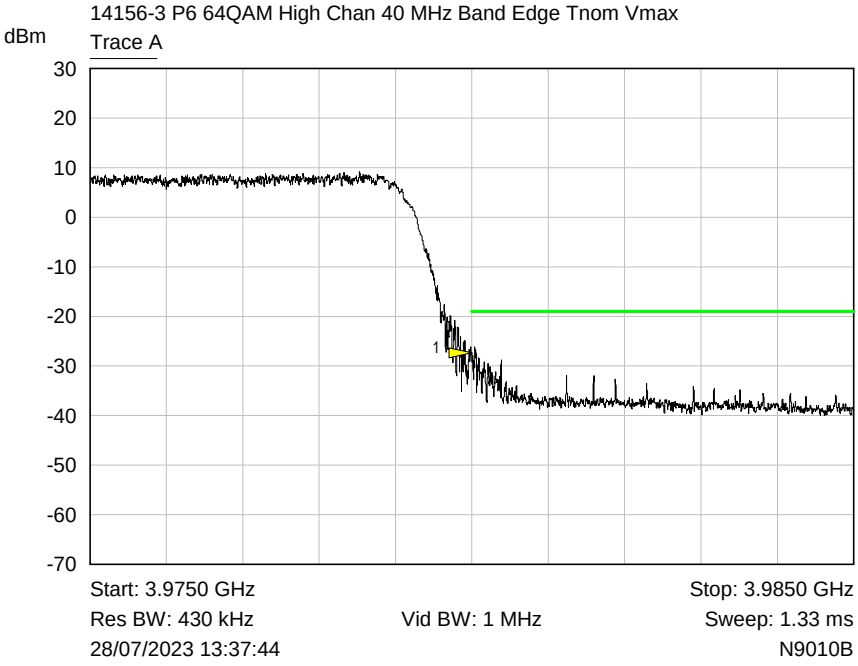
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-24.41 dBm	

+20 Degrees Nominal Voltage High Chan



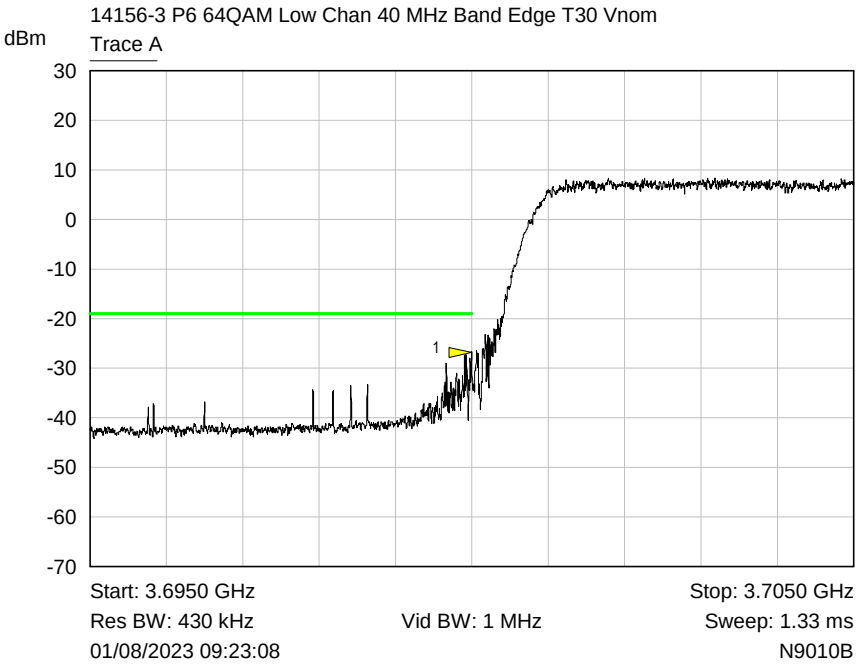
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-29.84 dBm	

+20 Degrees Max Voltage Low Chan



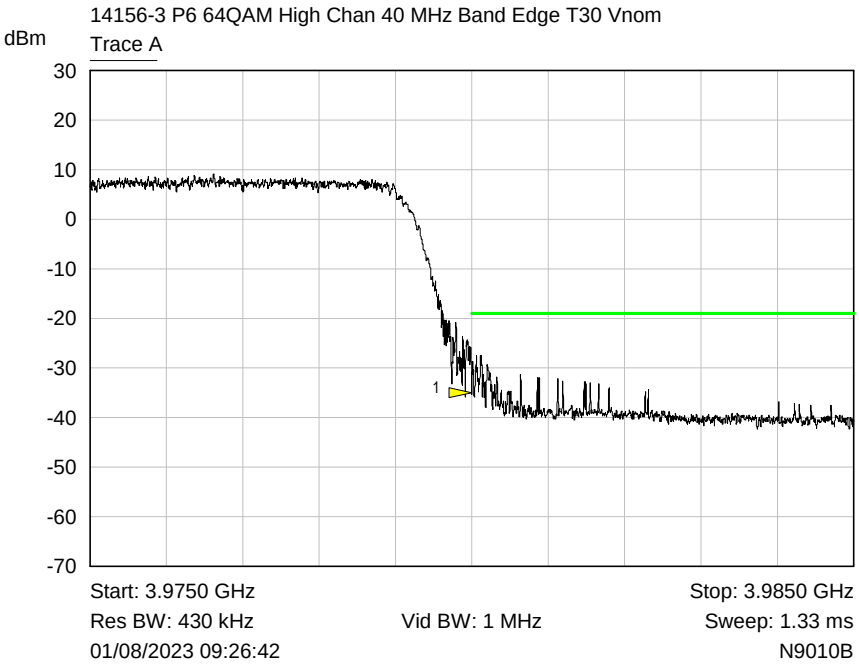
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-27.41 dBm	

+20 Degrees Max Voltage High Chan



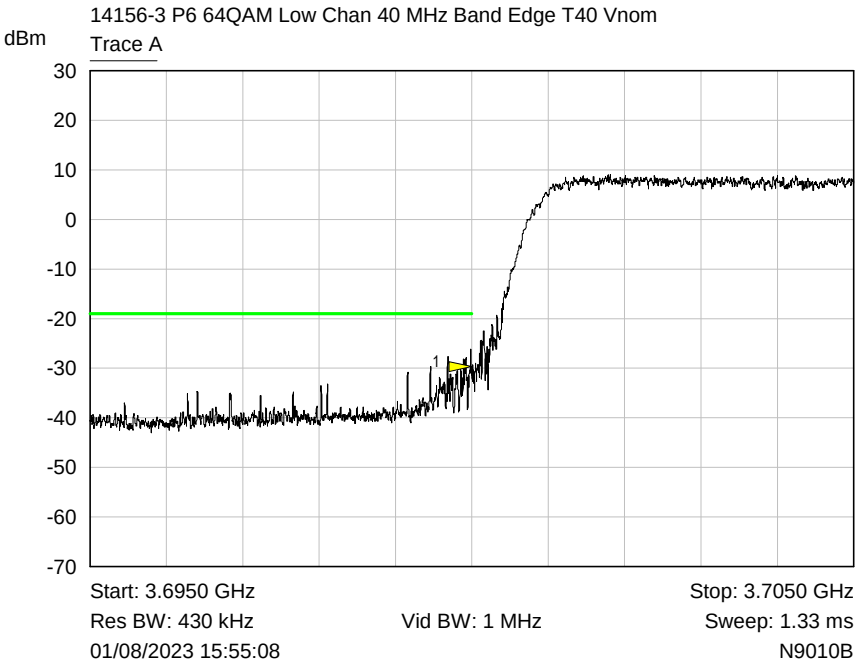
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-26.76 dBm	

+30 Degrees Low Chan



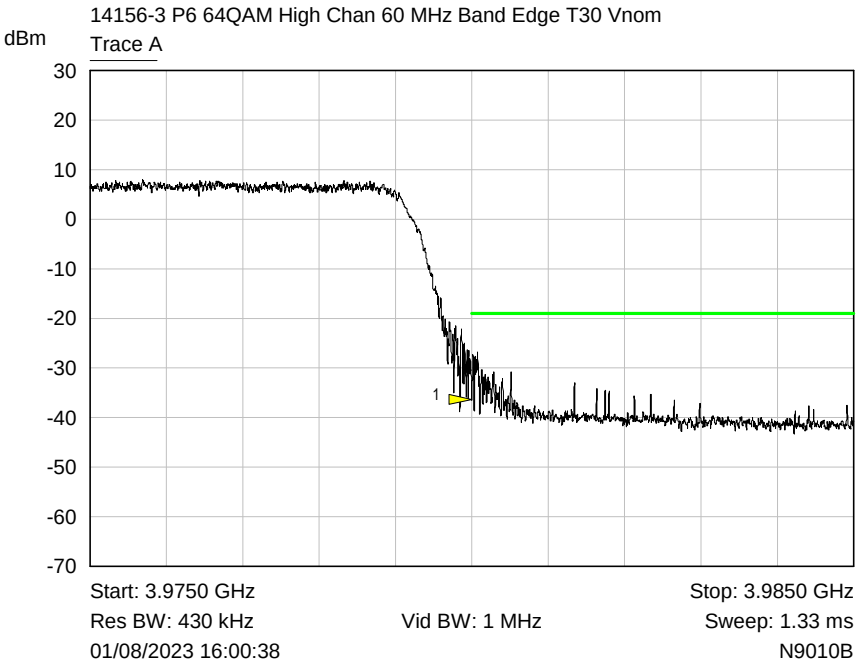
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-34.99 dBm	

+30 Degrees High Chan



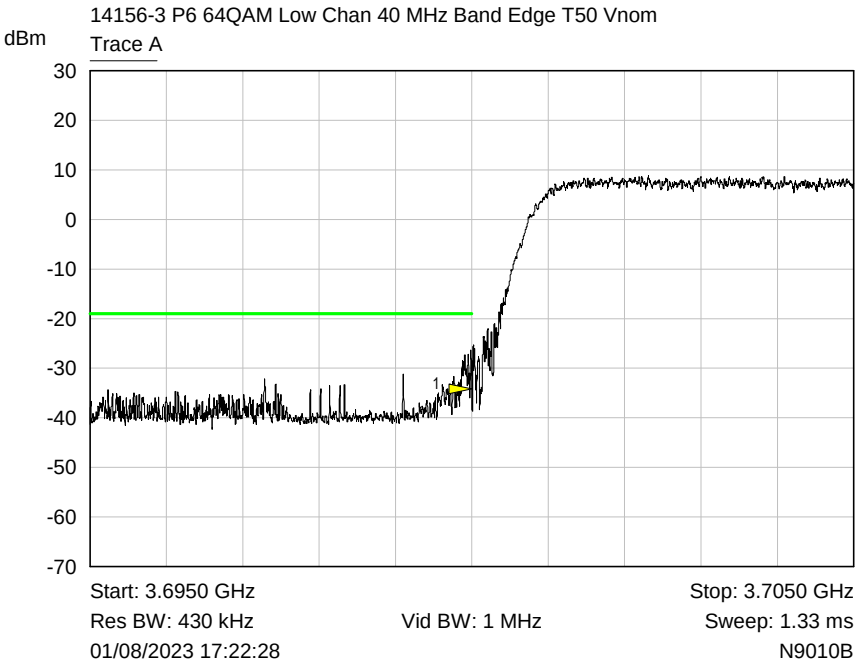
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-29.63 dBm	

+40 Degrees Low Chan



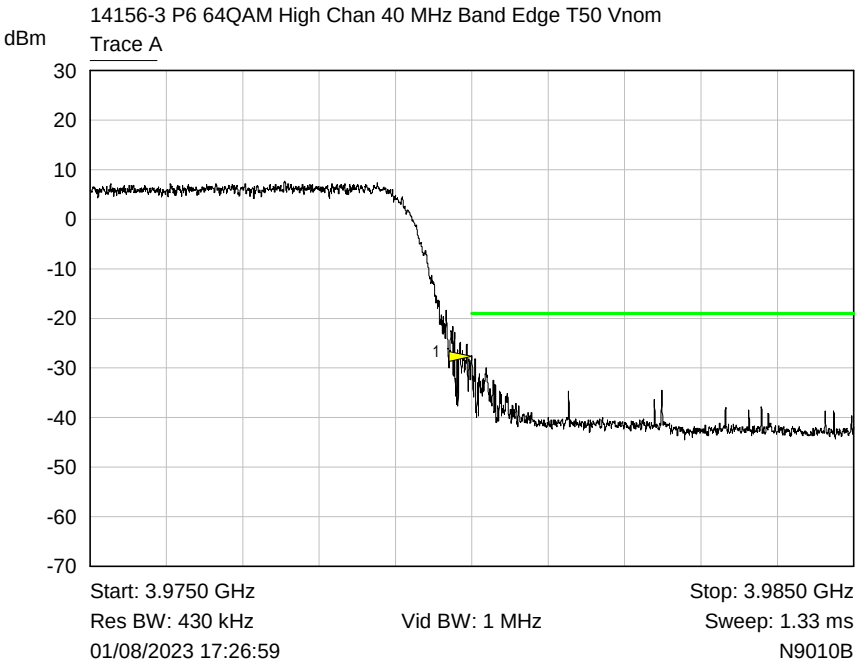
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-36.27 dBm	

+40 Degrees High Chan



Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-34.11 dBm	

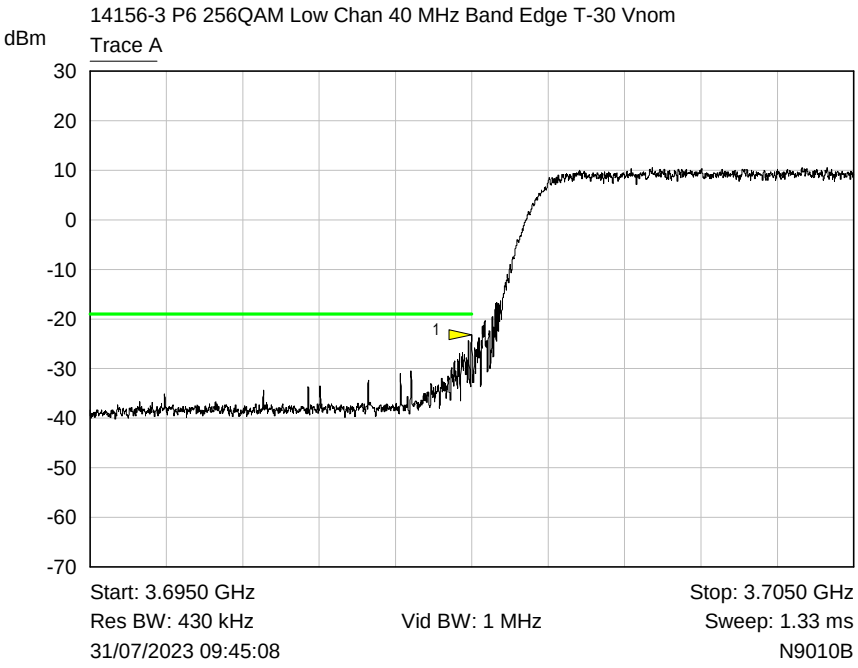
+50 Degrees Low Chan



Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-27.66 dBm	

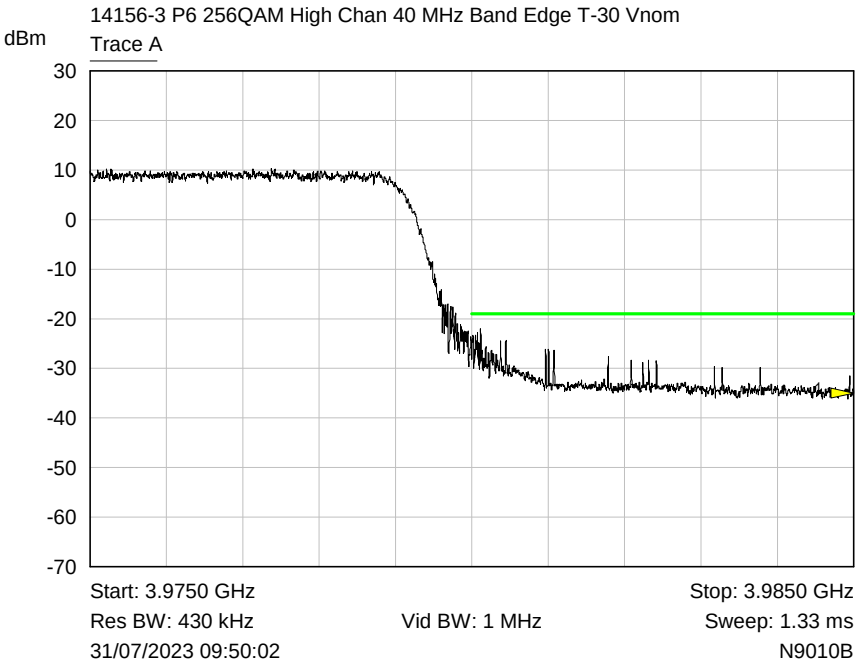
+50 Degrees High Chan

RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 40 MHz, 256 QAM



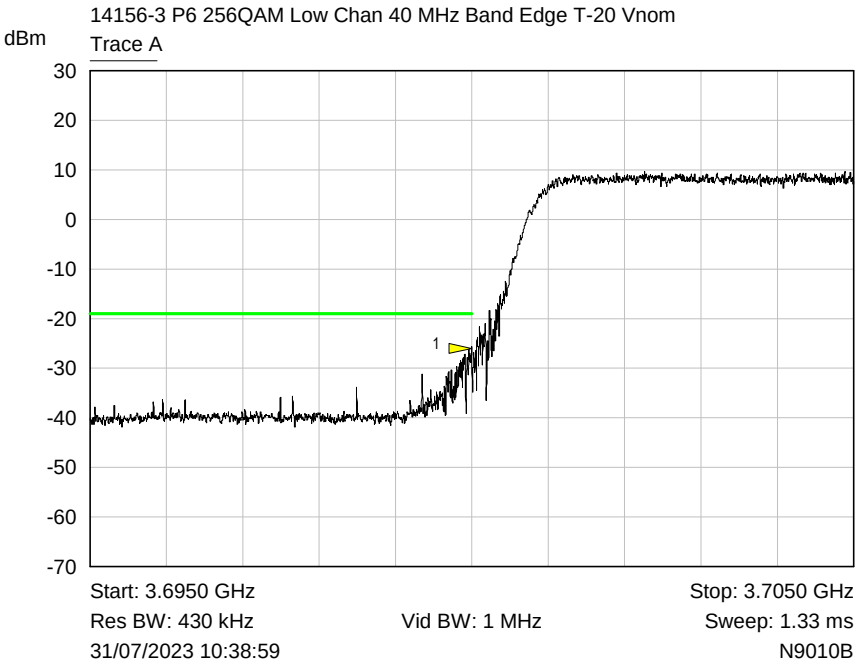
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-23.25 dBm	

-30 Degrees Low Chan



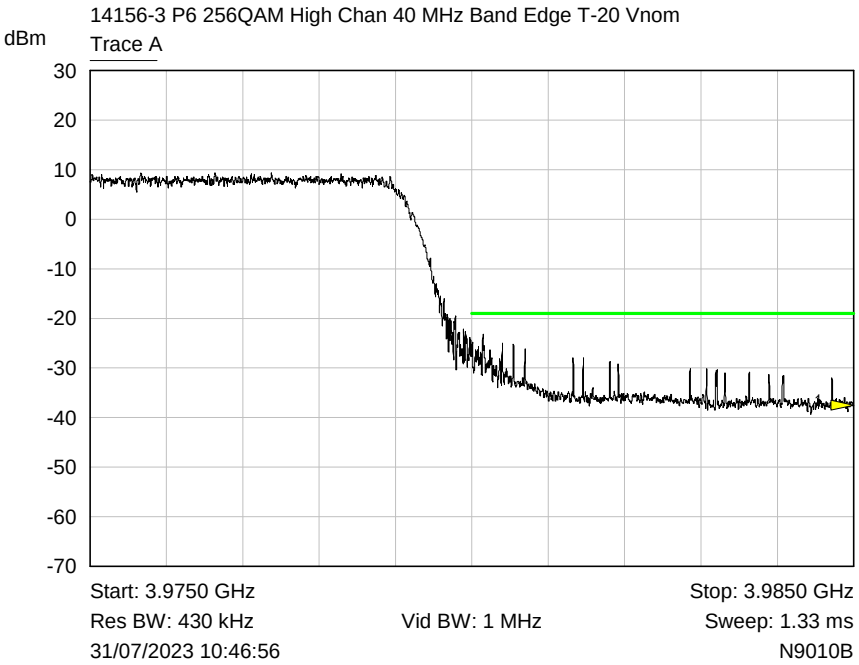
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9850 GHz	-34.99 dBm	

-30 Degrees High Chan



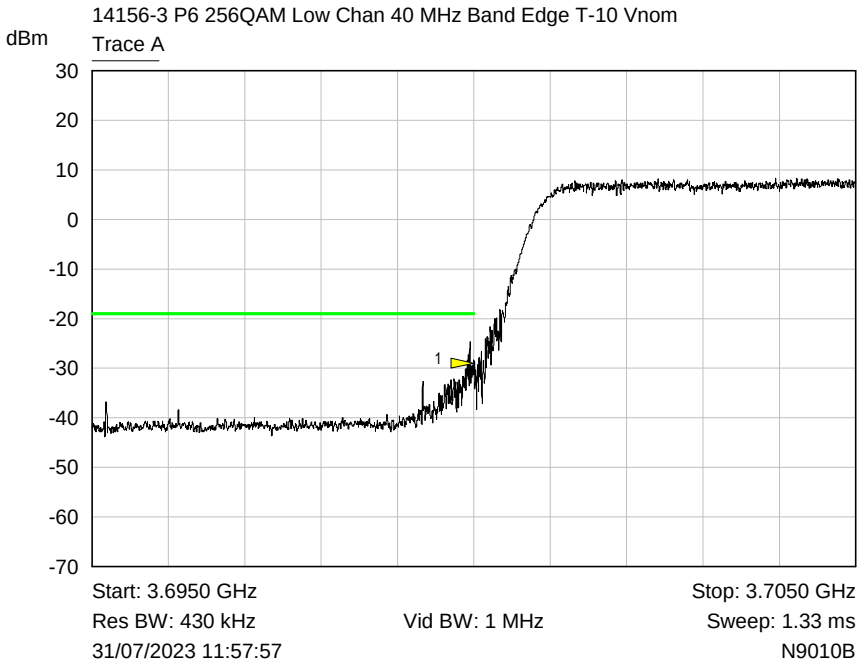
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-26.06 dBm	

-20 Degrees Low Chan



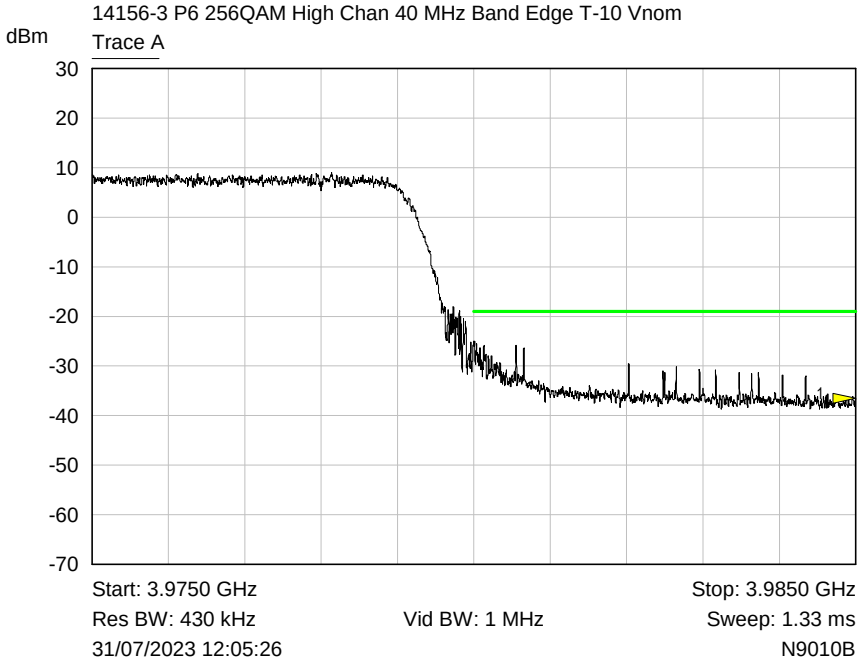
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9850 GHz	-37.56 dBm	

-20 Degrees High Chan



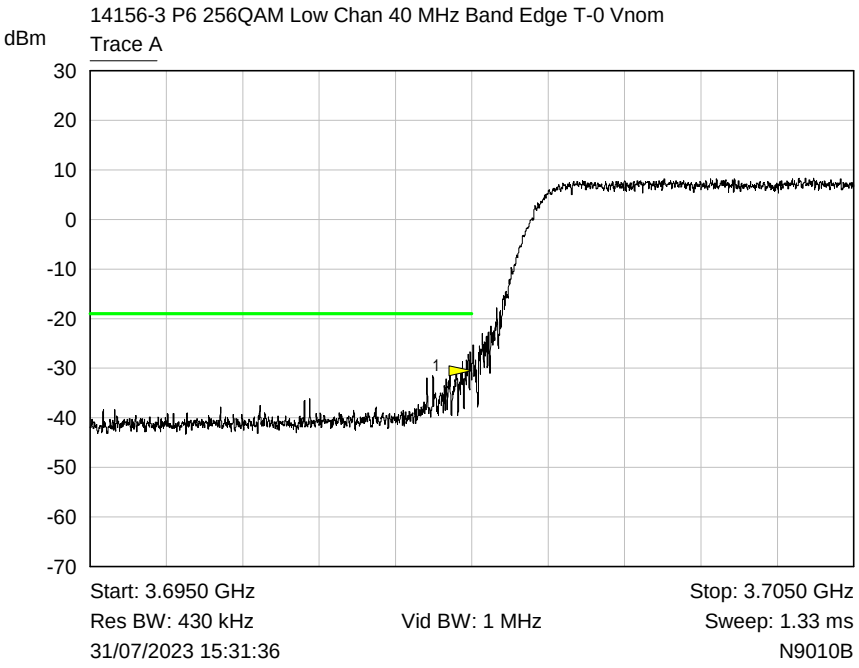
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-28.93 dBm	

-10 Degrees Low Chan



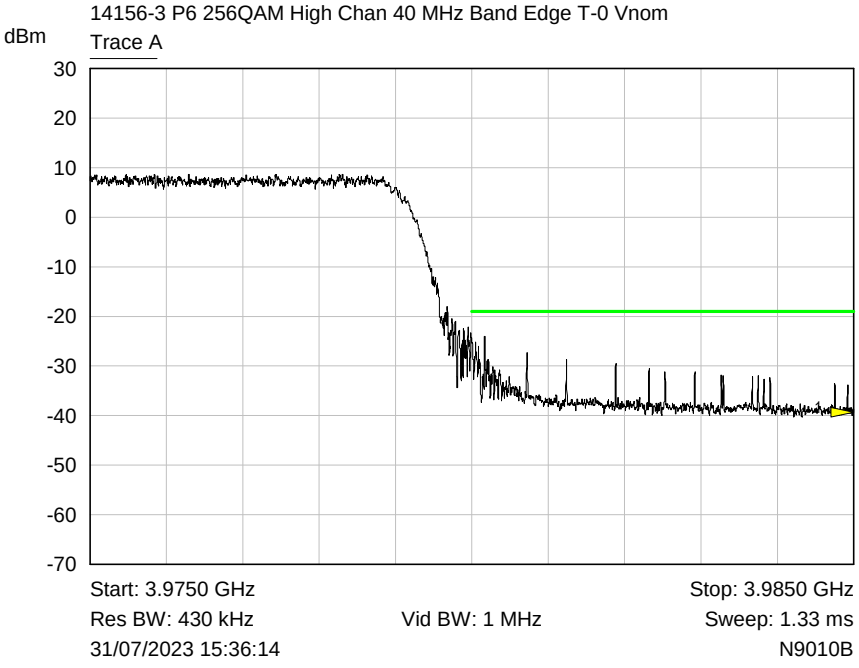
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9850 GHz	-36.55 dBm	

-10 Degrees High Chan



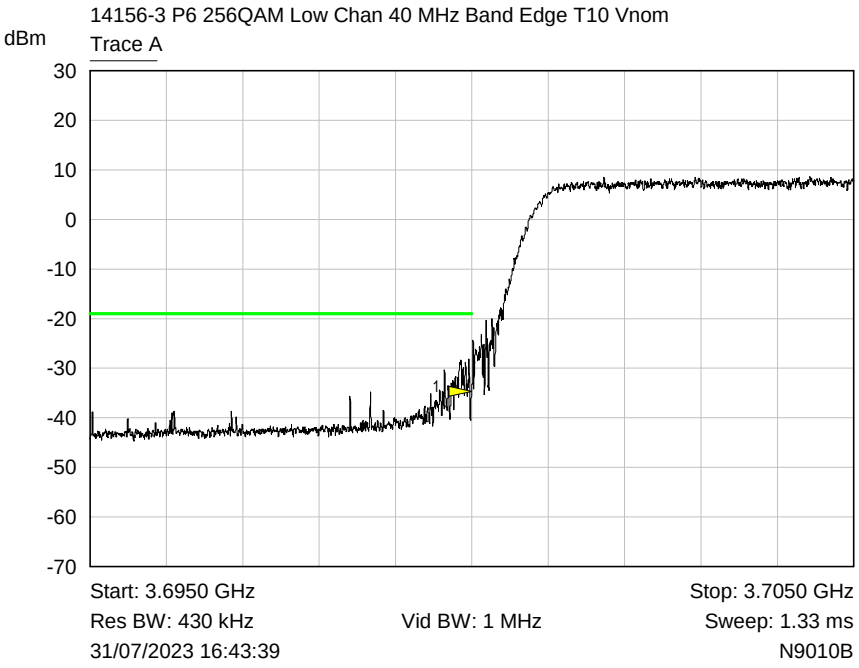
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-30.53 dBm	

0 Degrees Low Chan



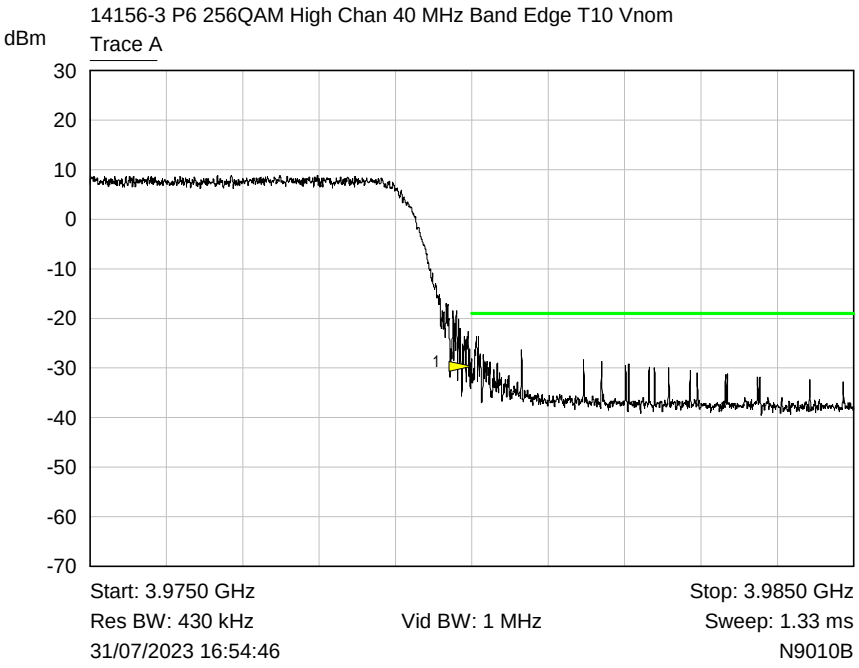
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9850 GHz	-39.26 dBm	

0 Degrees High Chan



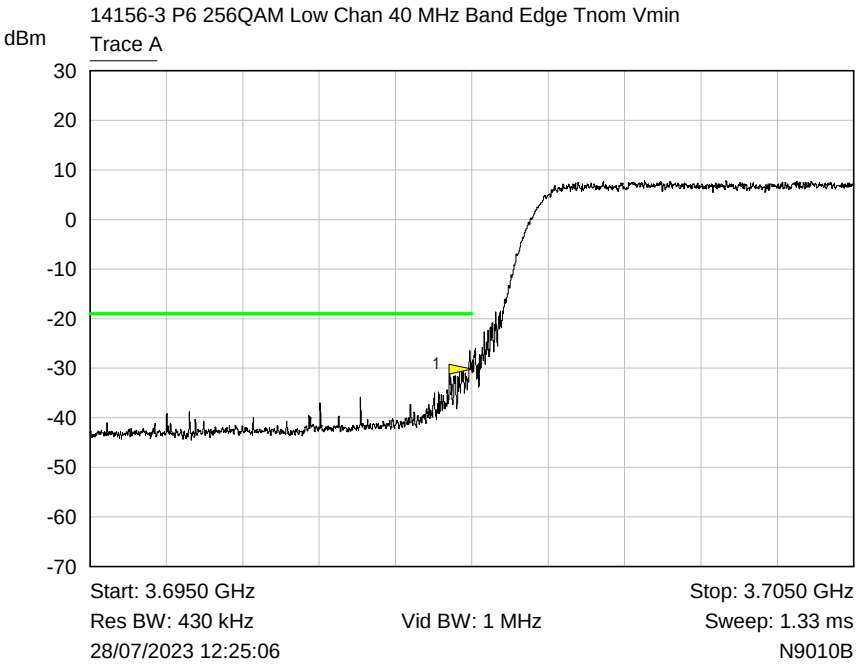
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-34.74 dBm	

+10 Degrees Low Chan



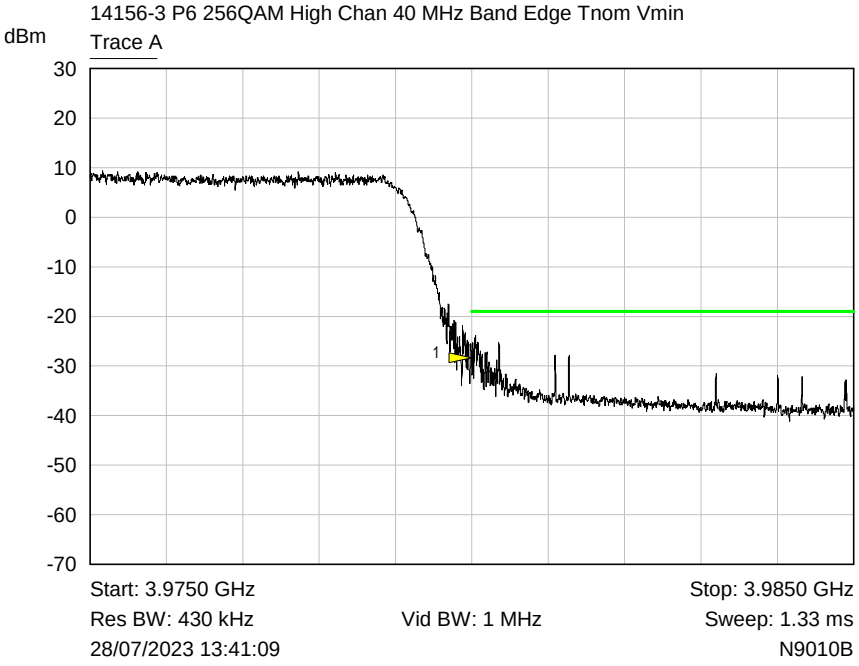
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-29.66 dBm	

+10 Degrees High Chan



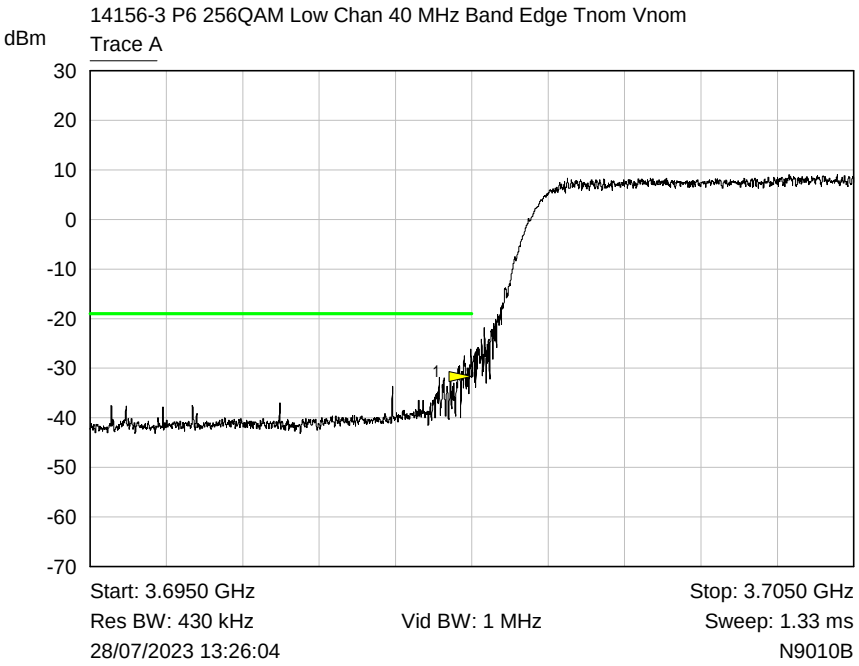
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-30.09 dBm	

+20 Degrees Min Voltage Low Chan



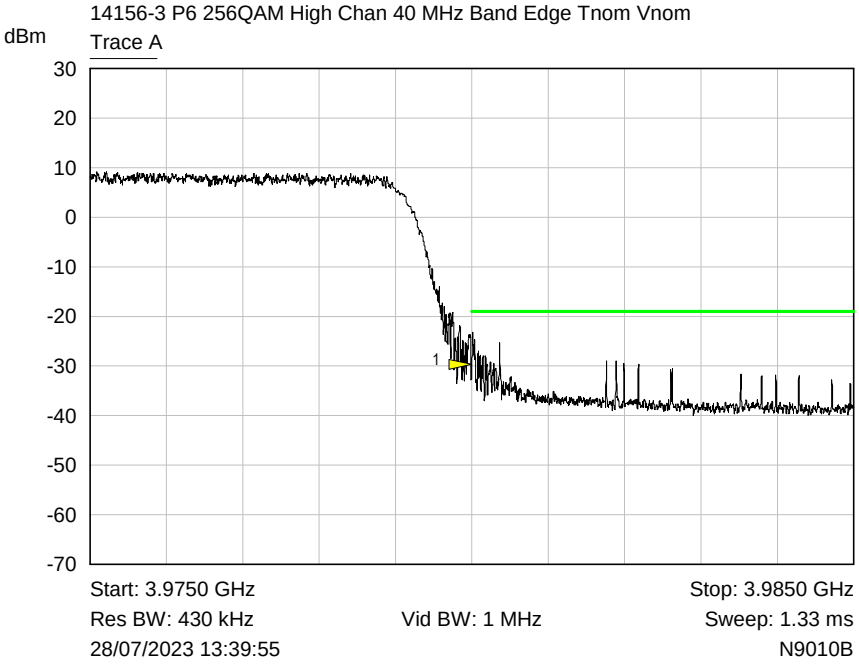
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-28.40 dBm	

+20 Degrees Min Voltage High Chan



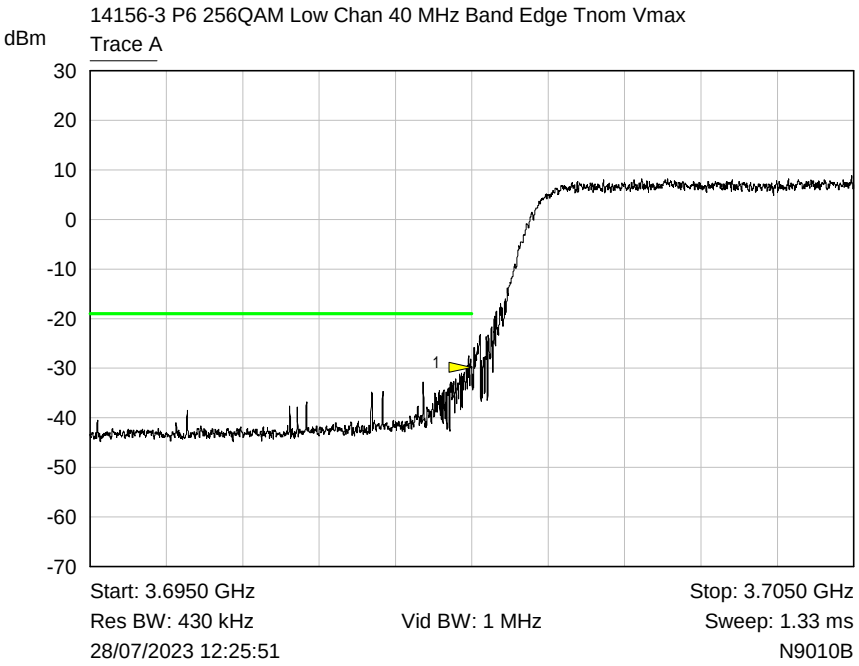
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-31.62 dBm	

+20 Degrees Nominal Voltage Low Chan



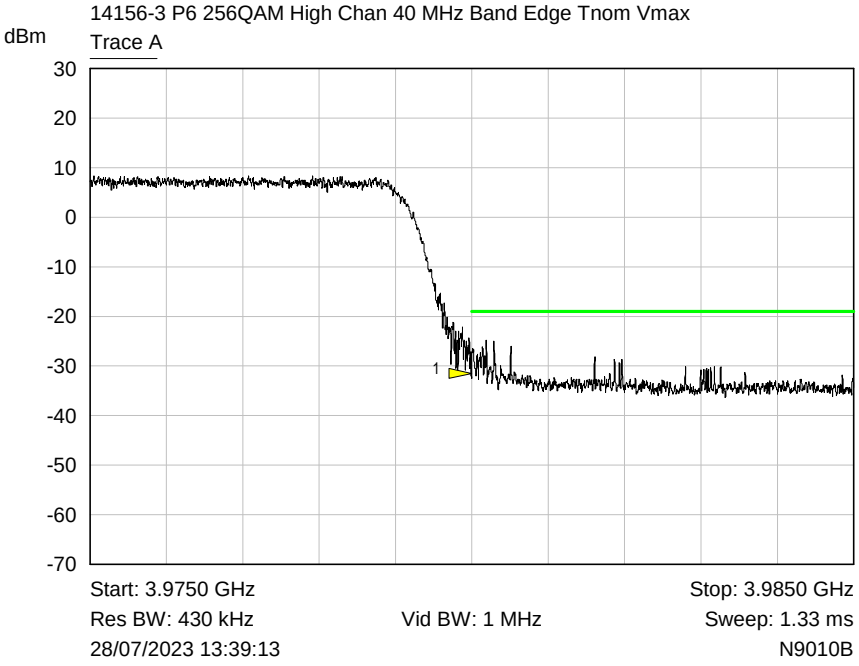
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-29.62 dBm	

+20 Degrees Nominal Voltage High Chan



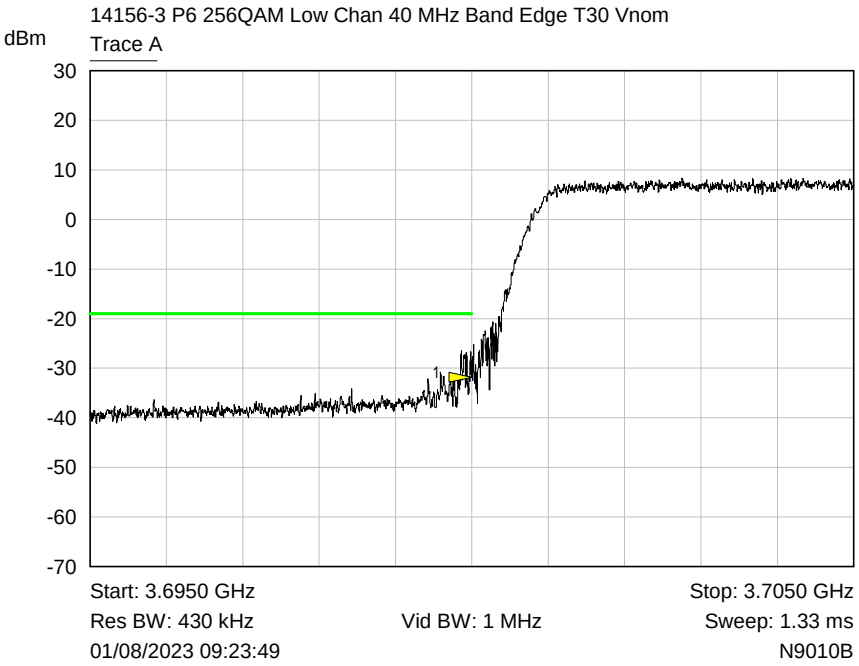
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-29.77 dBm	

+20 Degrees Max Voltage Low Chan



Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-31.42 dBm	

+20 Degrees Max Voltage High Chan

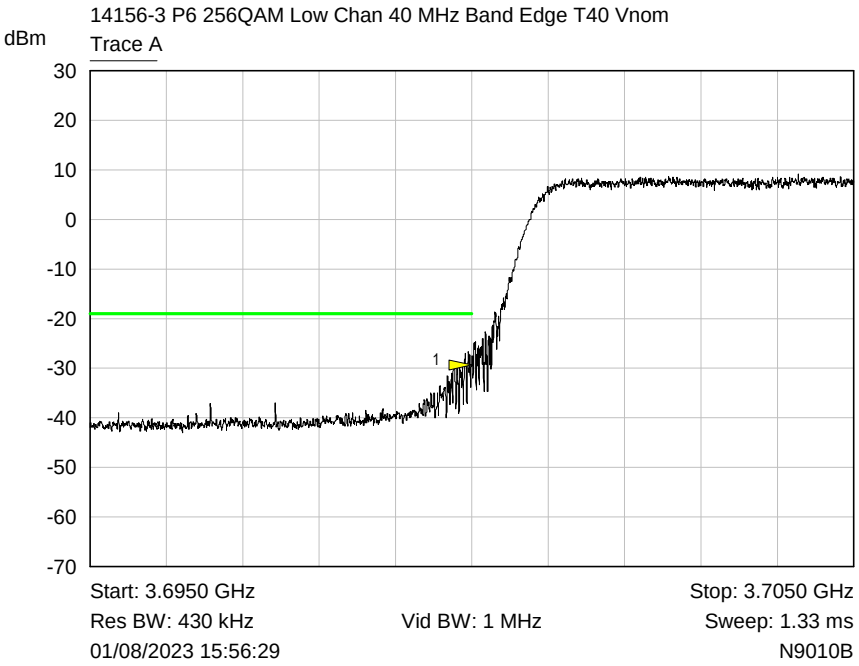


Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-31.91 dBm	

+30 Degrees Low Chan

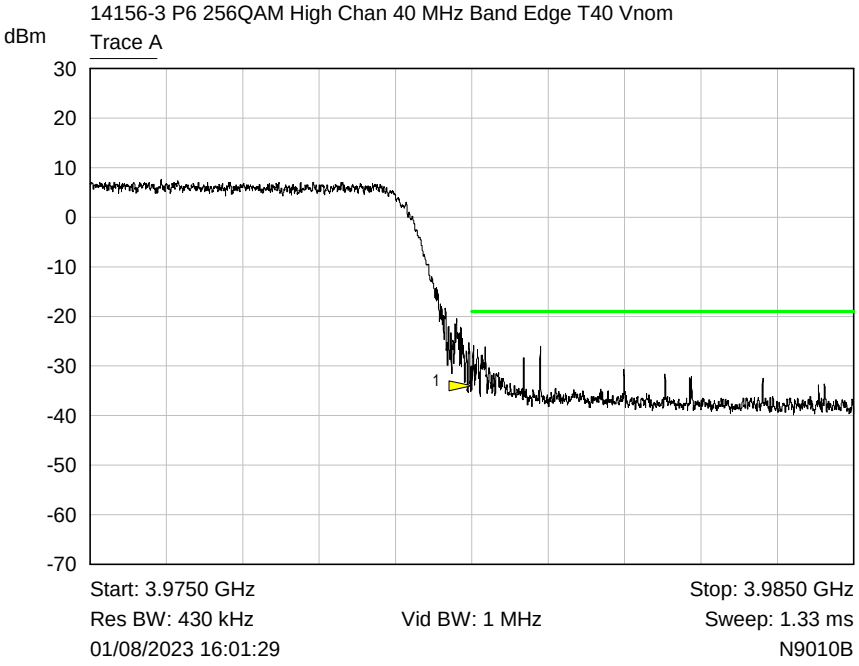
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-26.28 dBm	

+30 Degrees High Chan



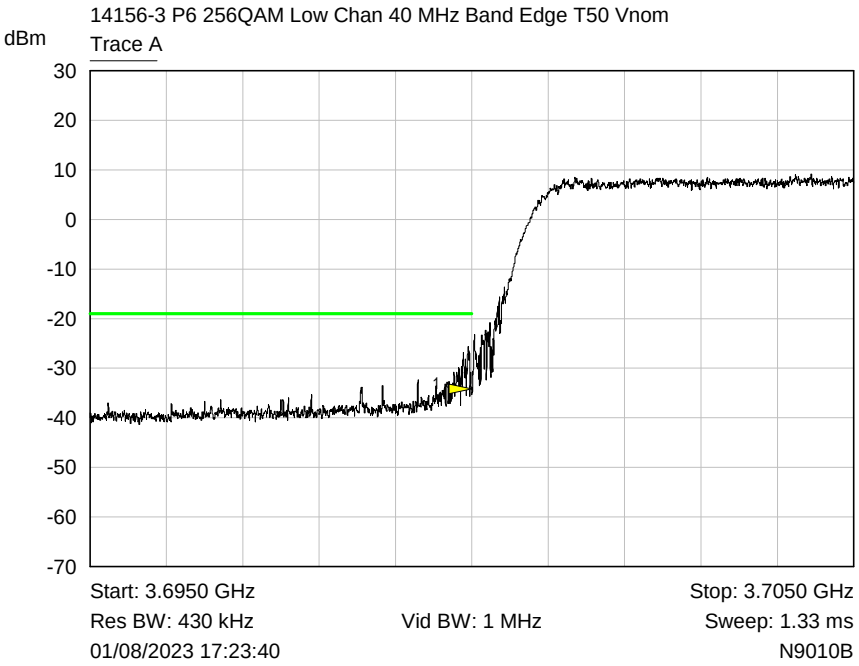
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-29.33 dBm	

+40 Degrees Low Chan



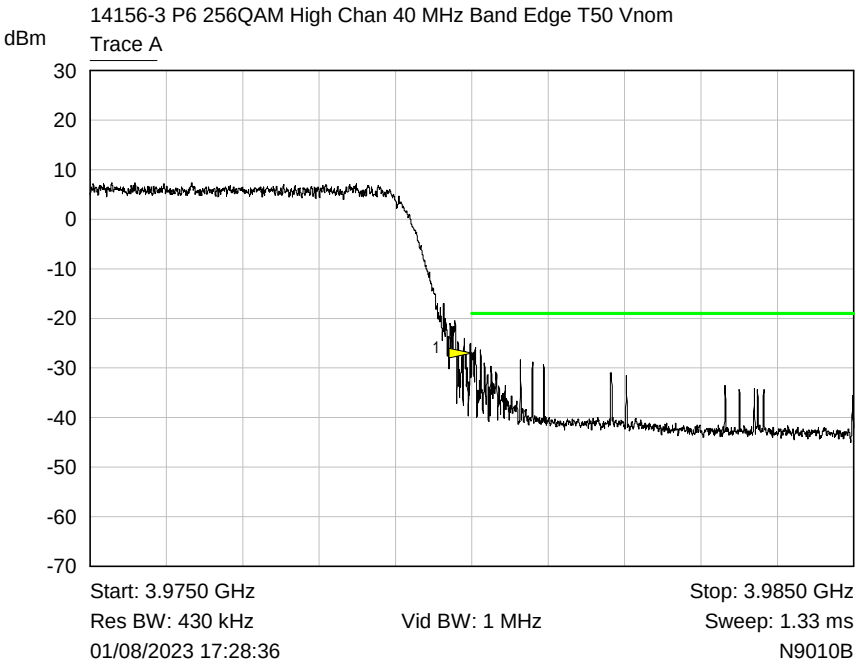
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-33.98 dBm	

+40 Degrees High Chan



Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-34.11 dBm	

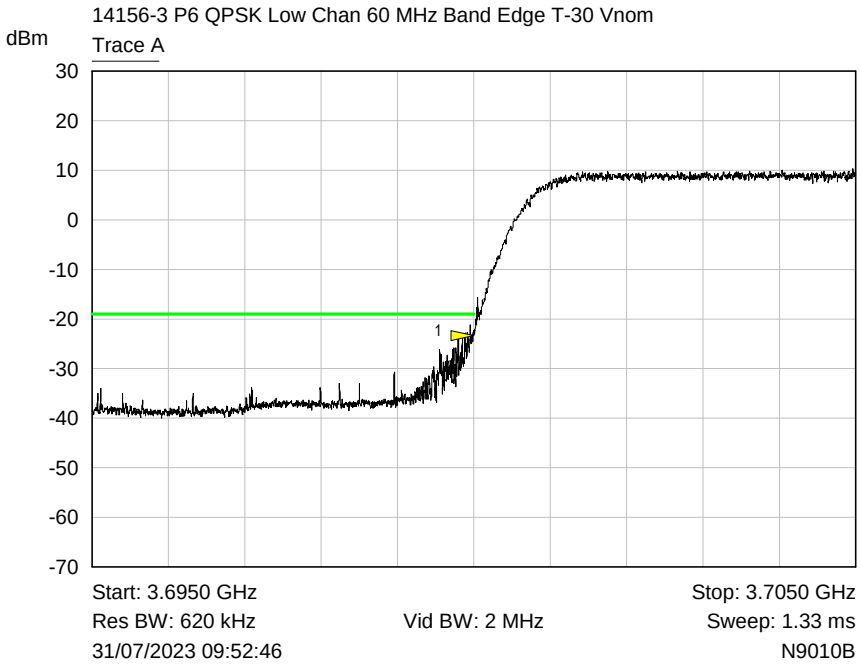
+50 Degrees Low Chan



Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-27.00 dBm	

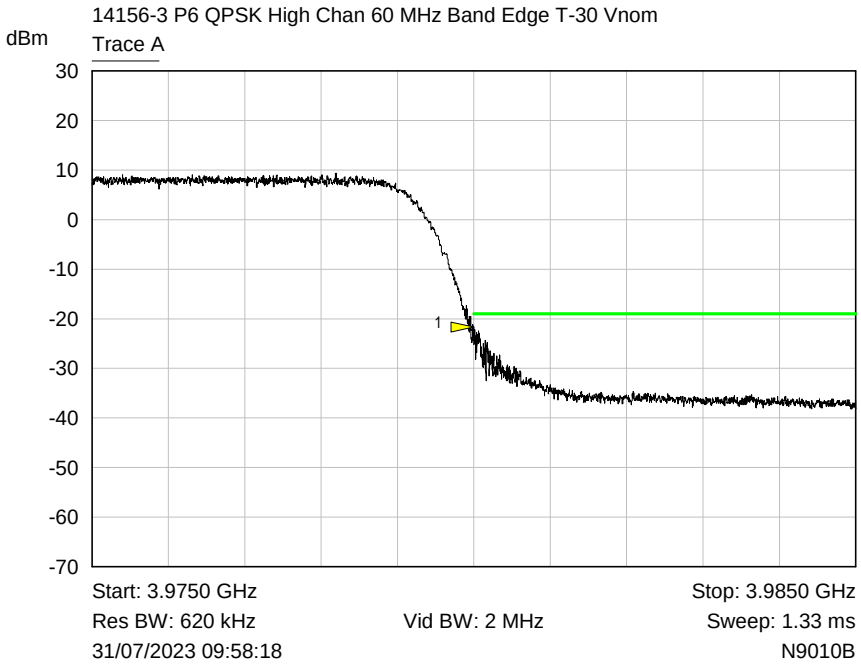
+50 Degrees High Chan

RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 60 MHz, QPSK



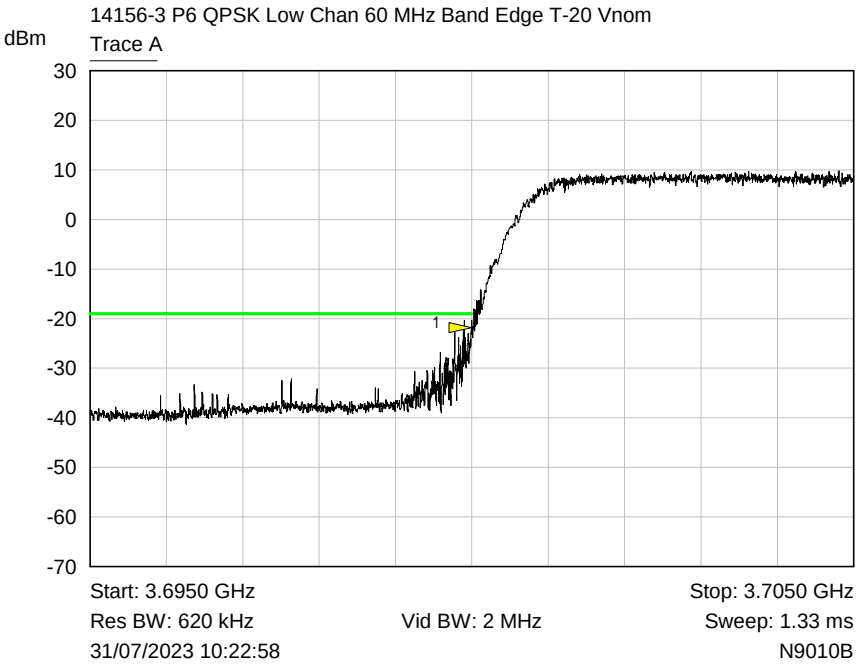
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-23.41 dBm	

-30 Degrees Low Chan



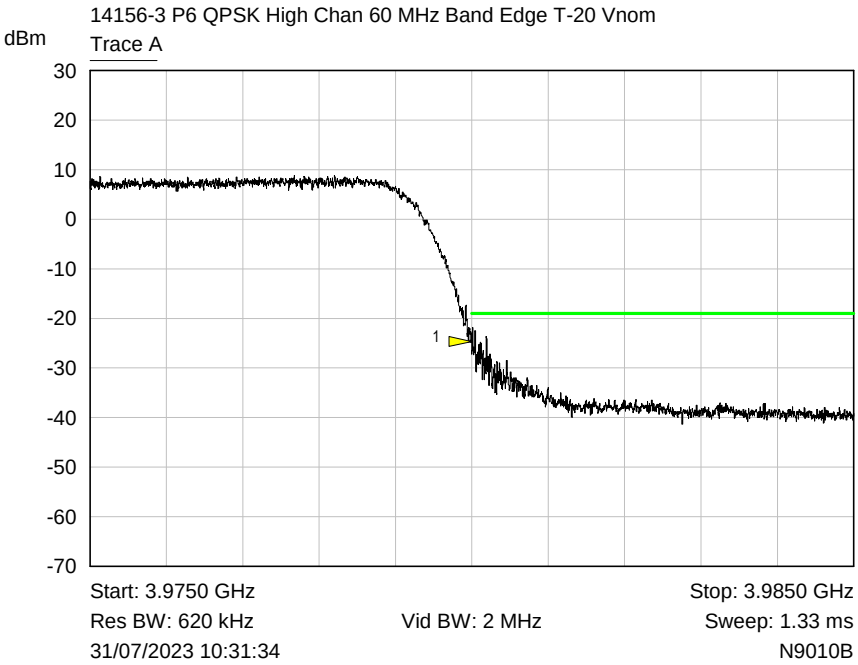
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-21.73 dBm	

-30 Degrees High Chan



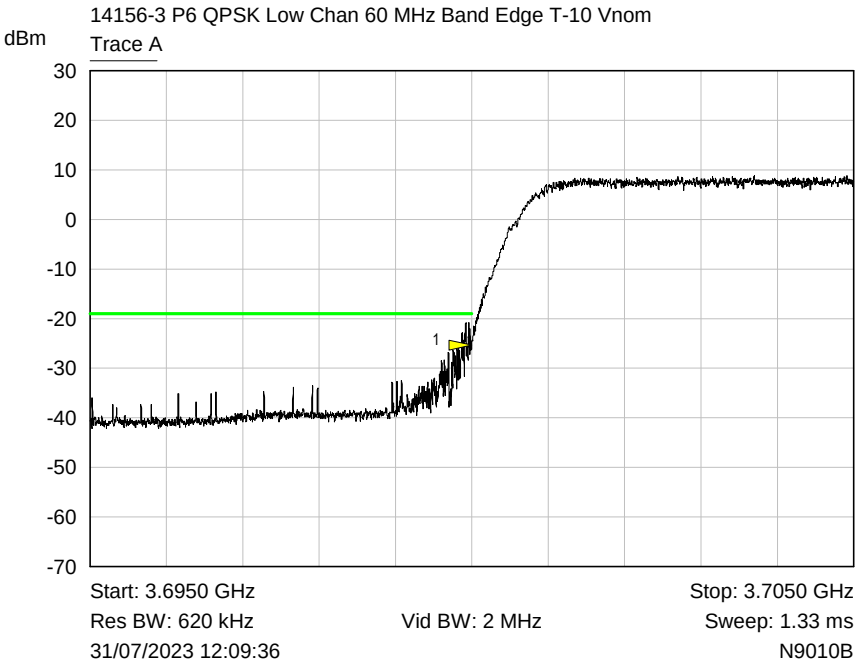
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-21.79 dBm	

-20 Degrees Low Chan



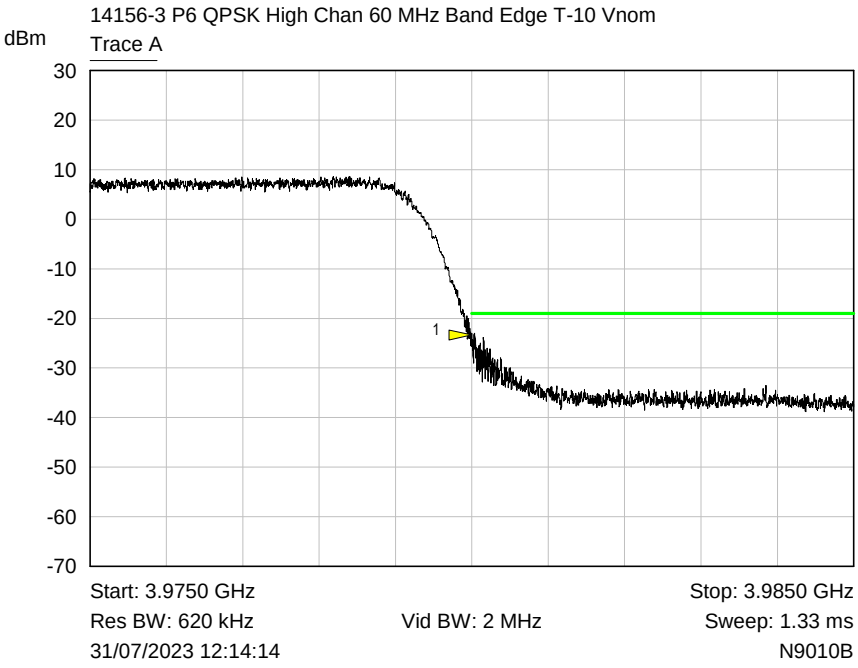
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-24.65 dBm	

-20 Degrees High Chan



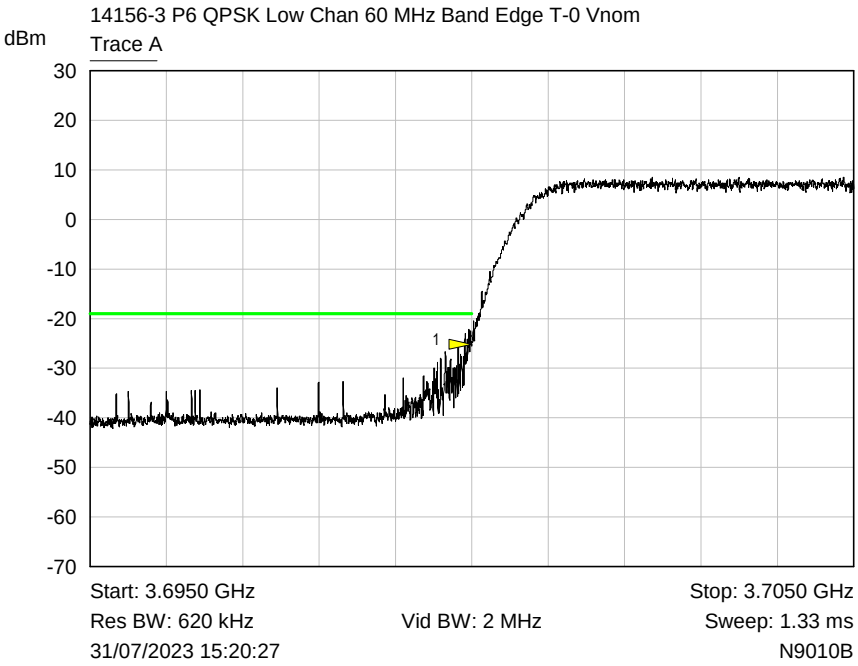
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-25.40 dBm	

-10 Degrees Low Chan



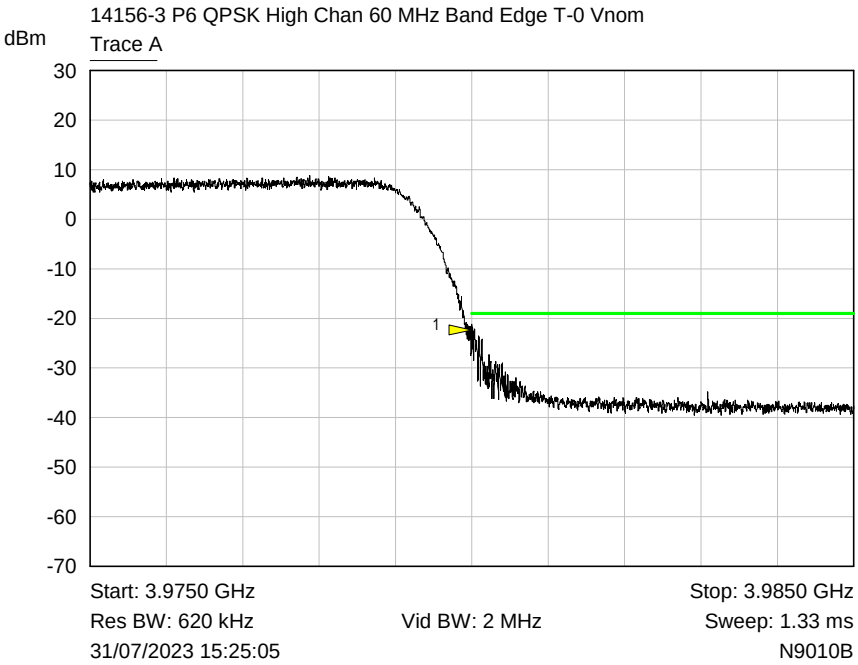
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-23.36 dBm	

-10 Degrees High Chan



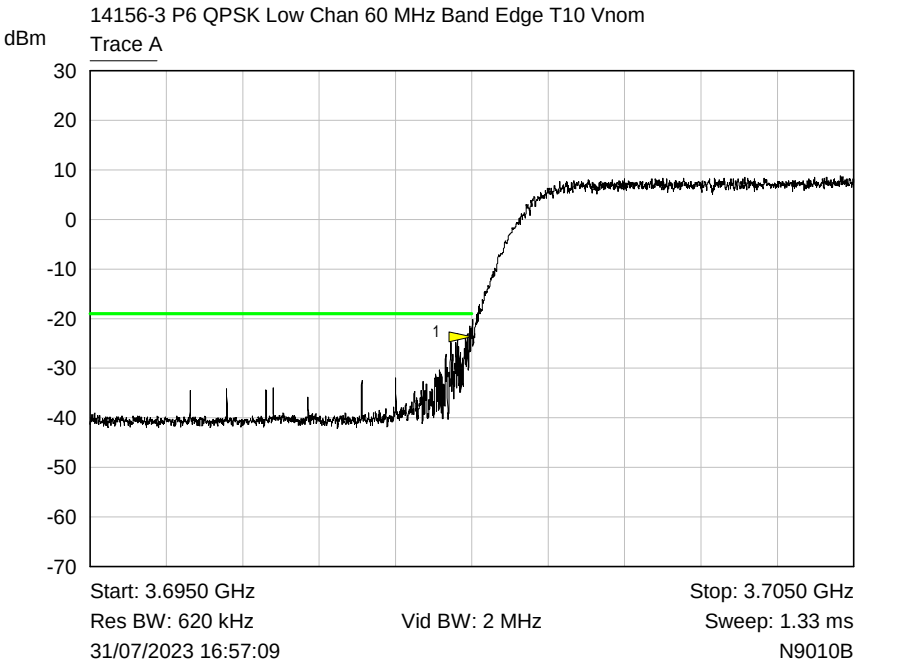
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-25.12 dBm	

0 Degrees Low Chan



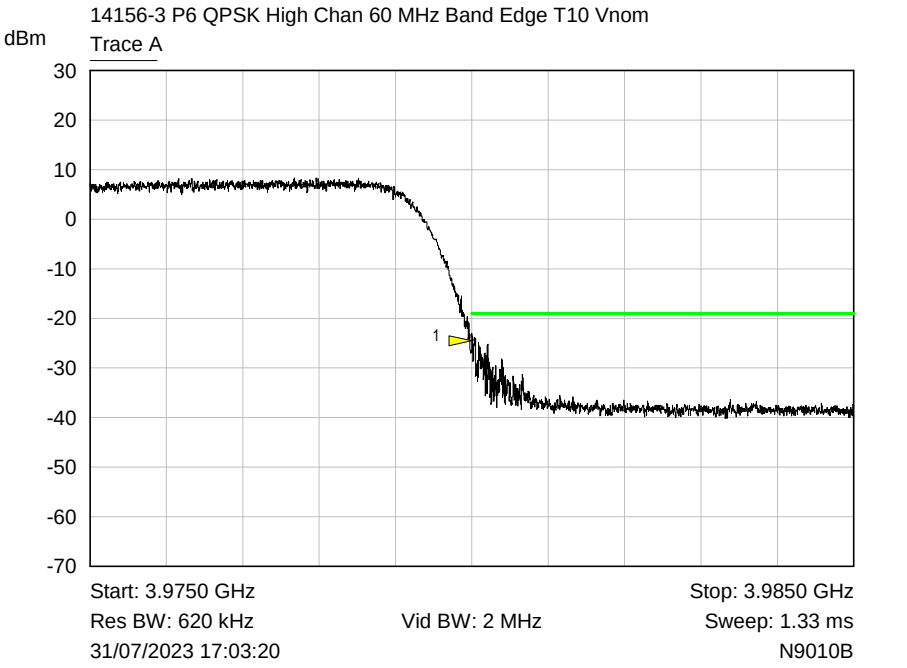
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-22.32 dBm	

0 Degrees High Chan



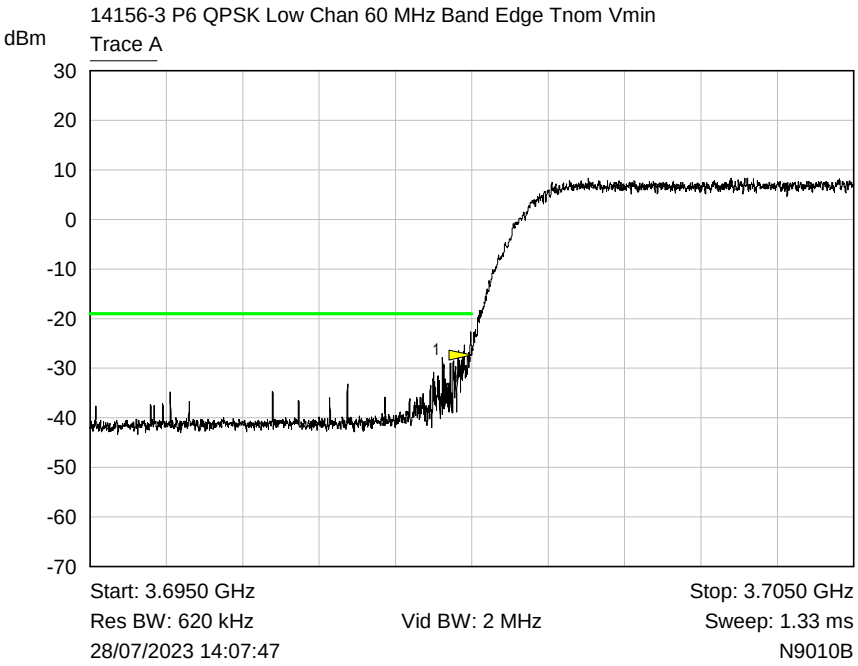
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-23.72 dBm	

+10 Degrees Low Chan



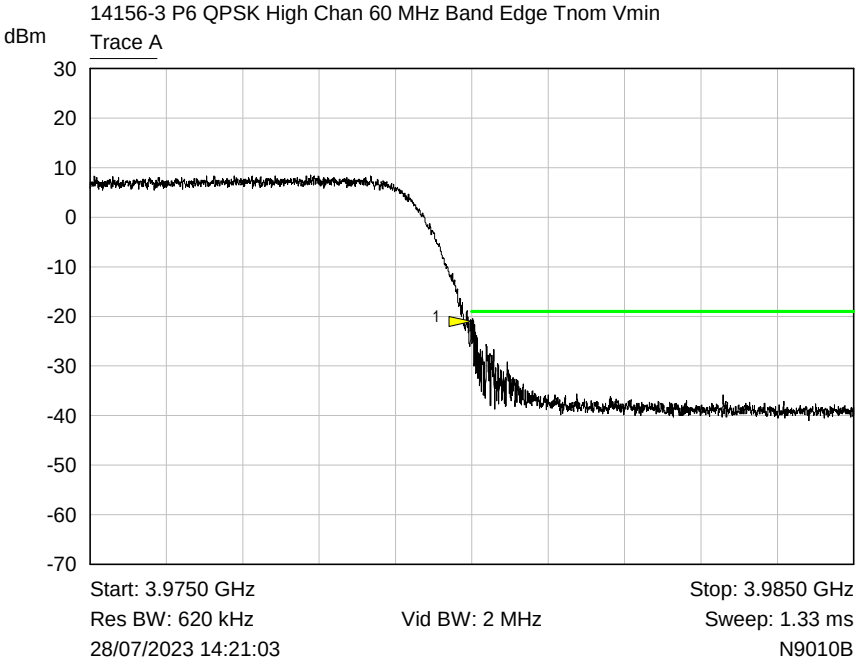
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-24.49 dBm	

+10 Degrees High Chan



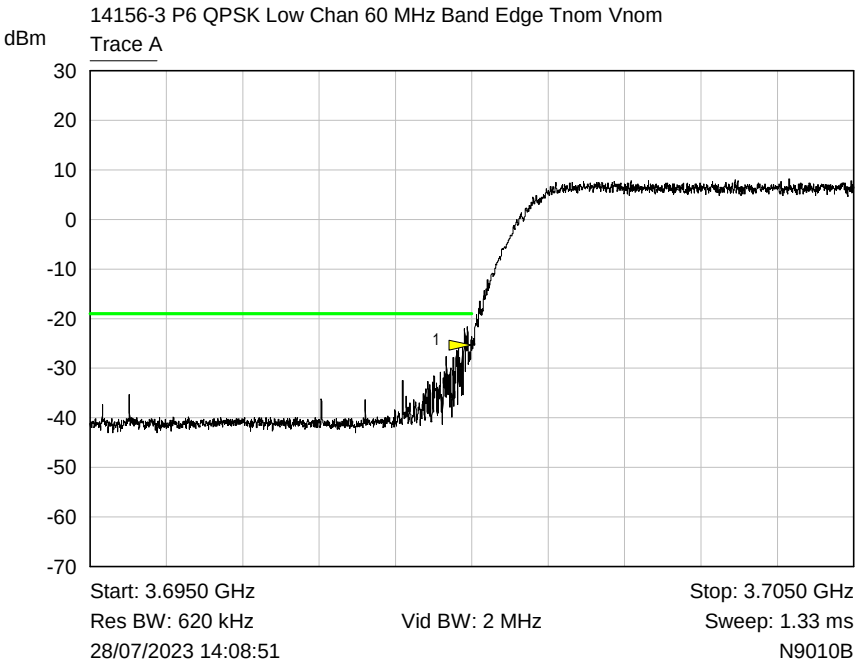
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-27.29 dBm	

+20 Degrees Min Voltage Low Chan



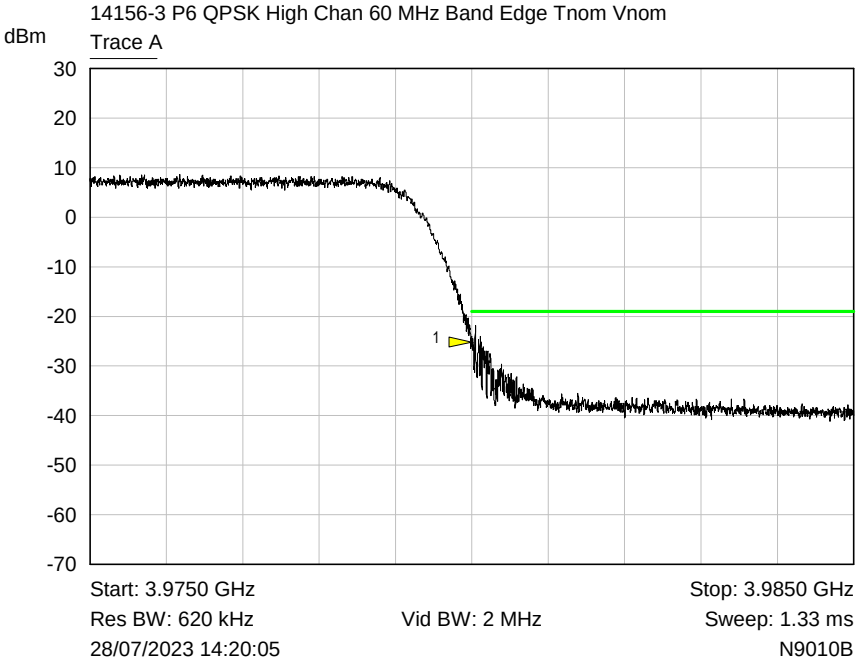
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-20.98 dBm	

+20 Degrees Min Voltage High Chan



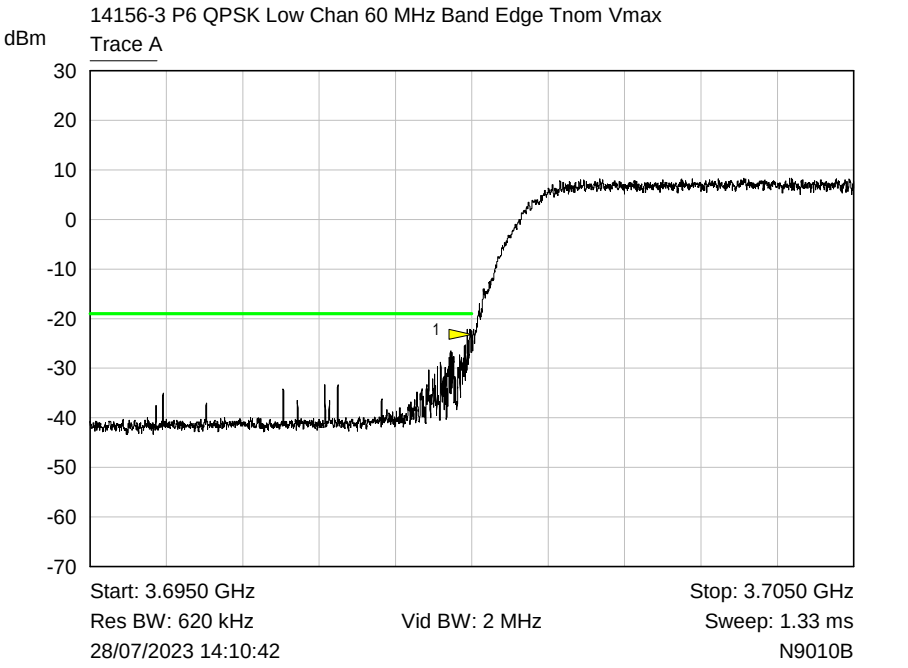
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-25.36 dBm	

+20 Degrees Nominal Voltage Low Chan



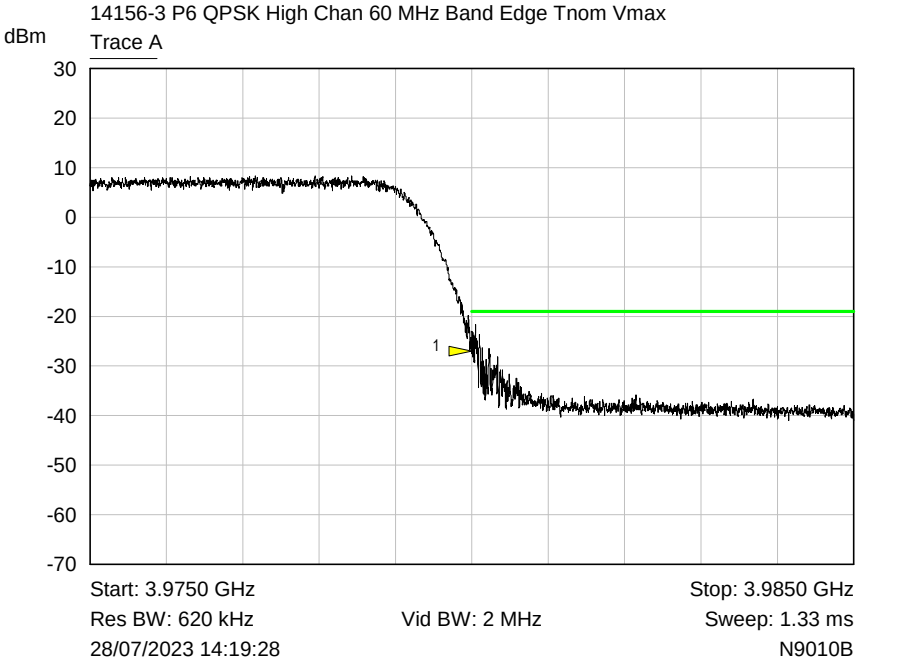
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-25.14 dBm	

+20 Degrees Nominal Voltage High Chan



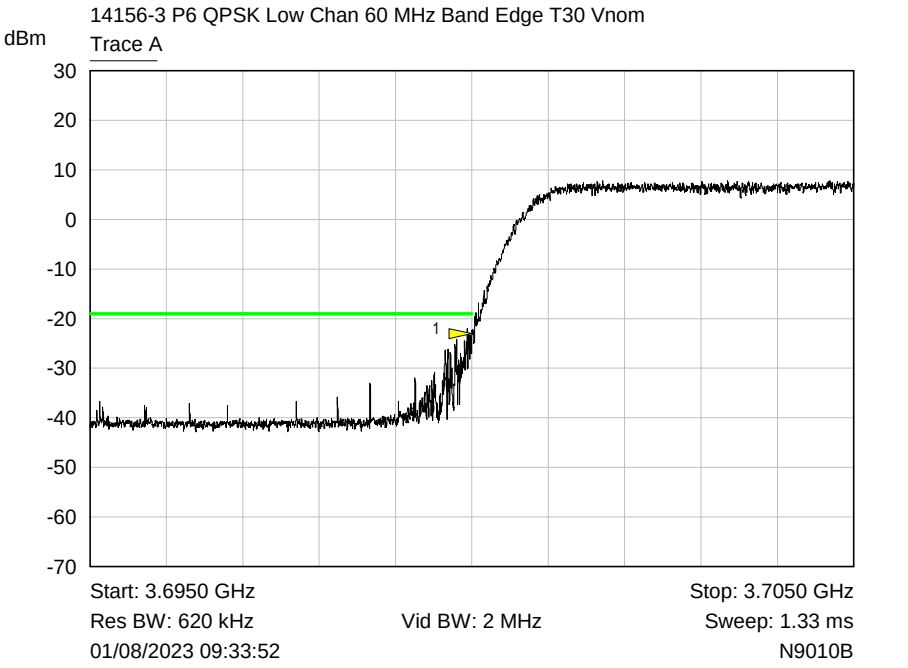
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-23.15 dBm	

+20 Degrees Max Voltage Low Chan



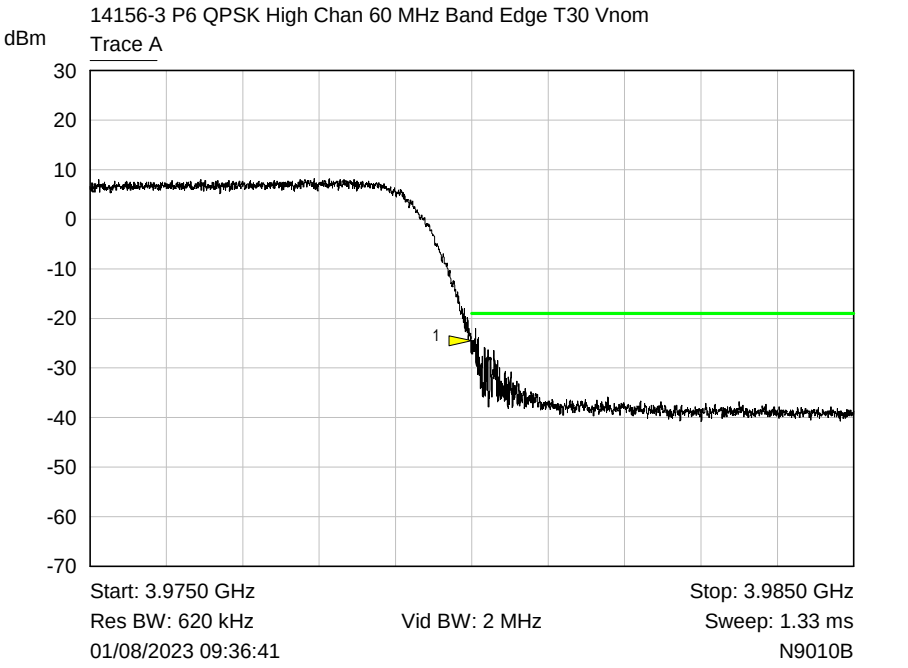
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-26.94 dBm	

+20 Degrees Max Voltage High Chan



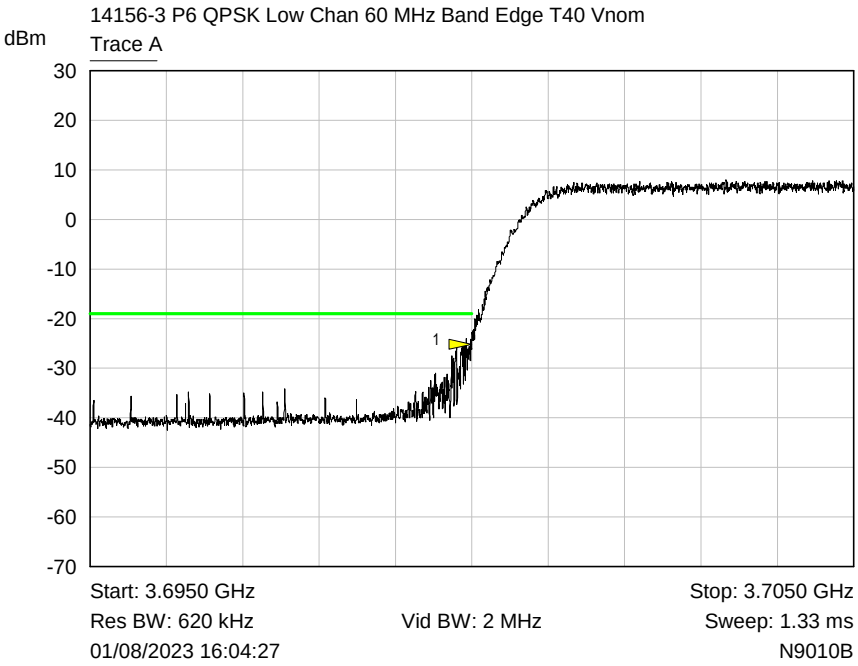
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-22.98 dBm	

+30 Degrees Low Chan



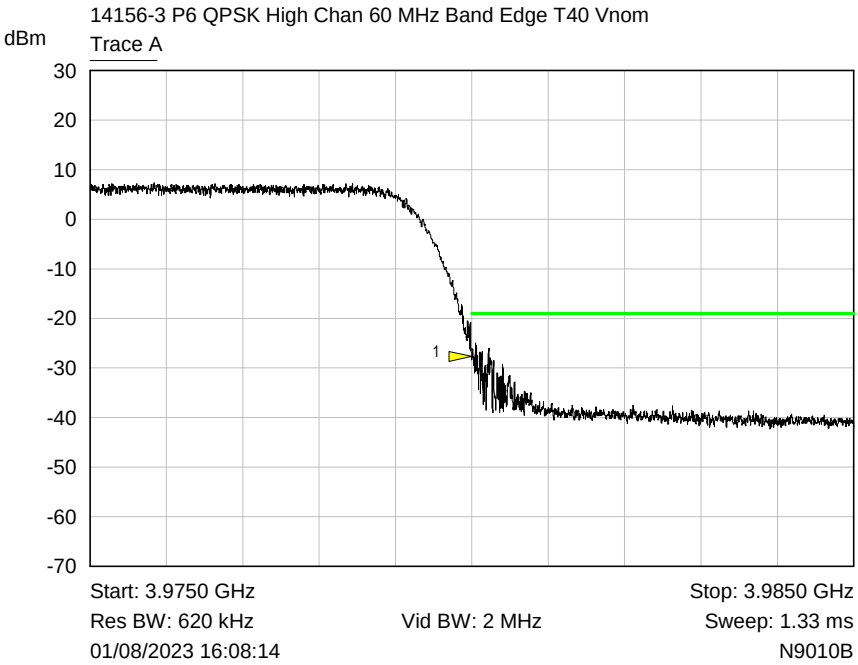
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-24.46 dBm	

+30 Degrees High Chan



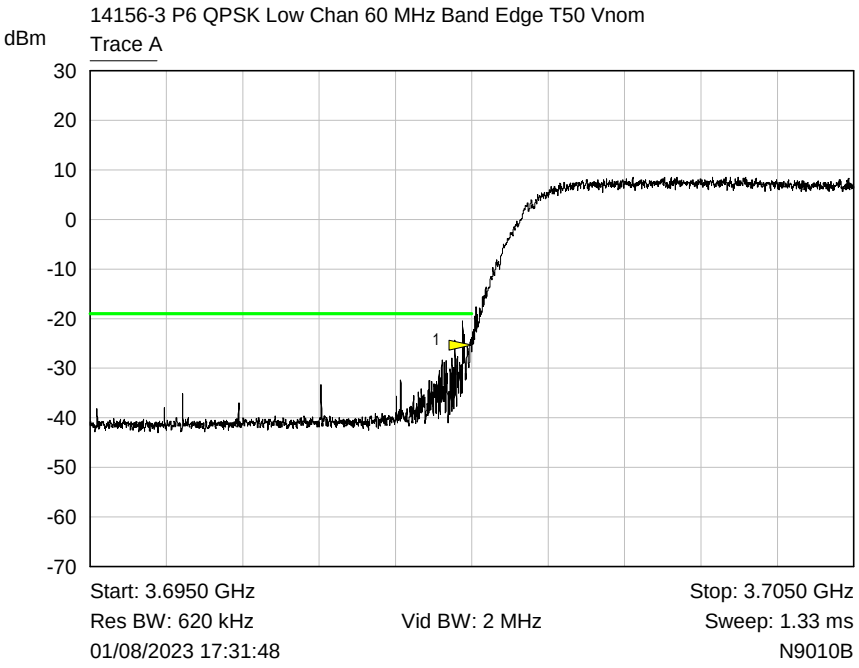
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-25.22 dBm	

+40 Degrees Low Chan



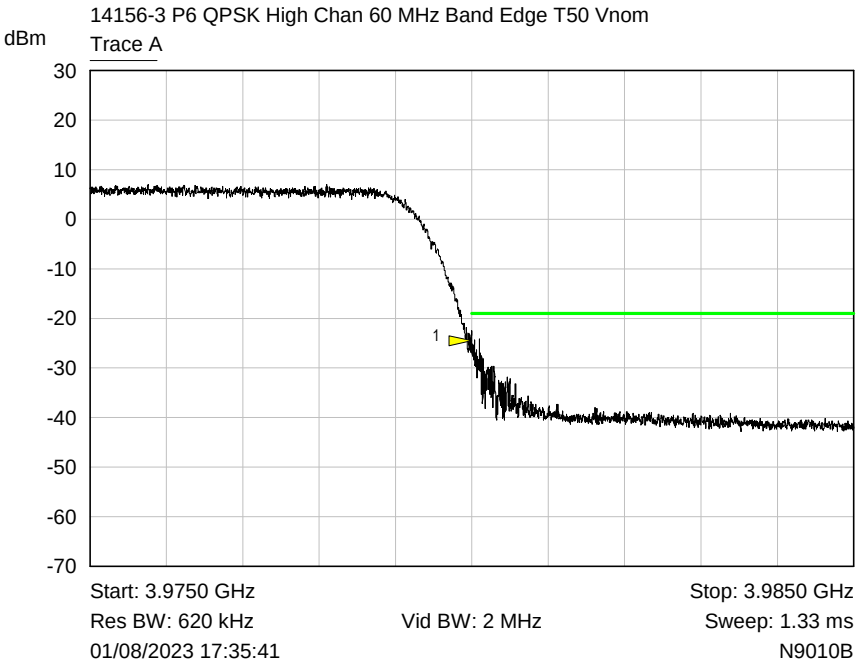
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-27.72 dBm	

+40 Degrees High Chan



Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-25.26 dBm	

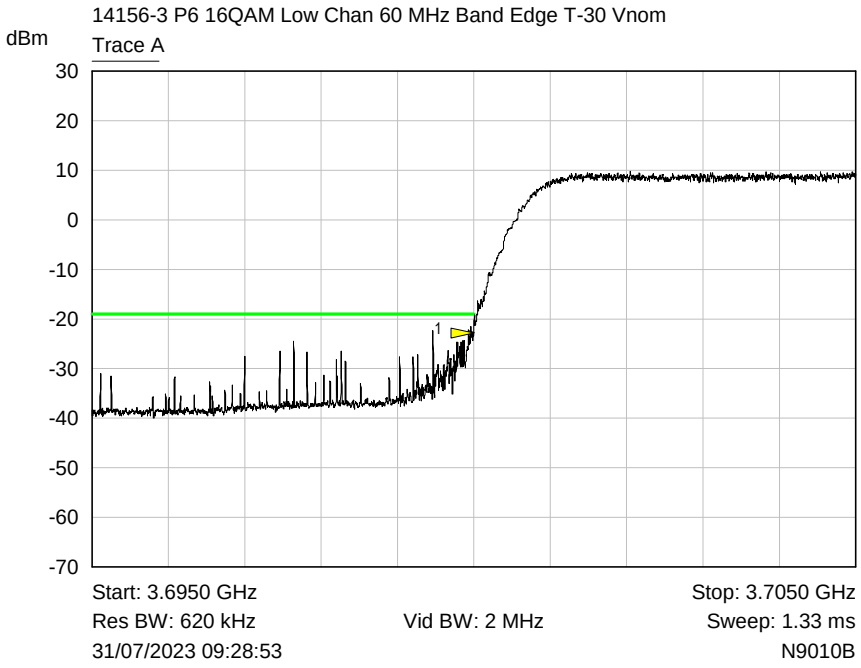
+50 Degrees Low Chan



Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-24.47 dBm	

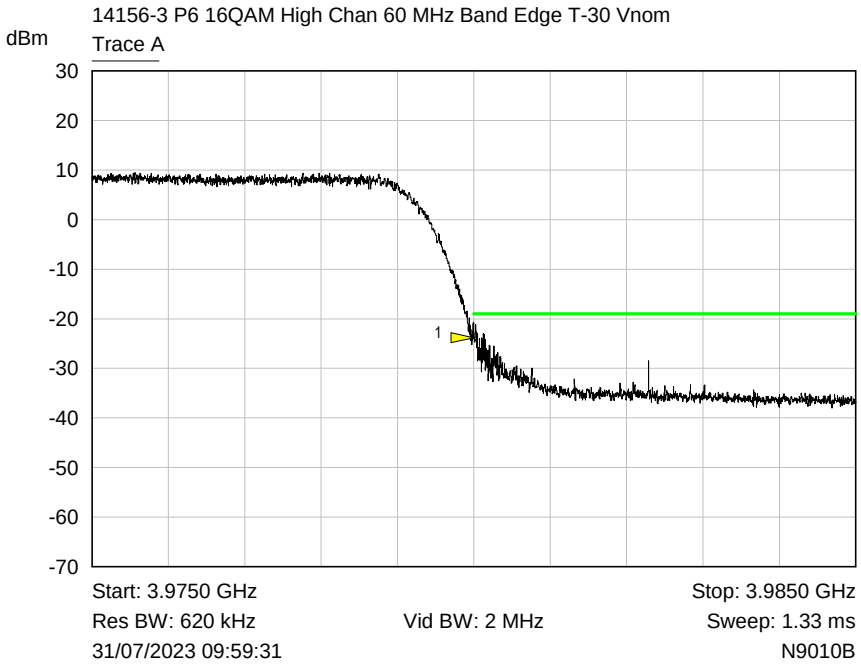
+50 Degrees High Chan

RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 60 MHz, 16 QAM



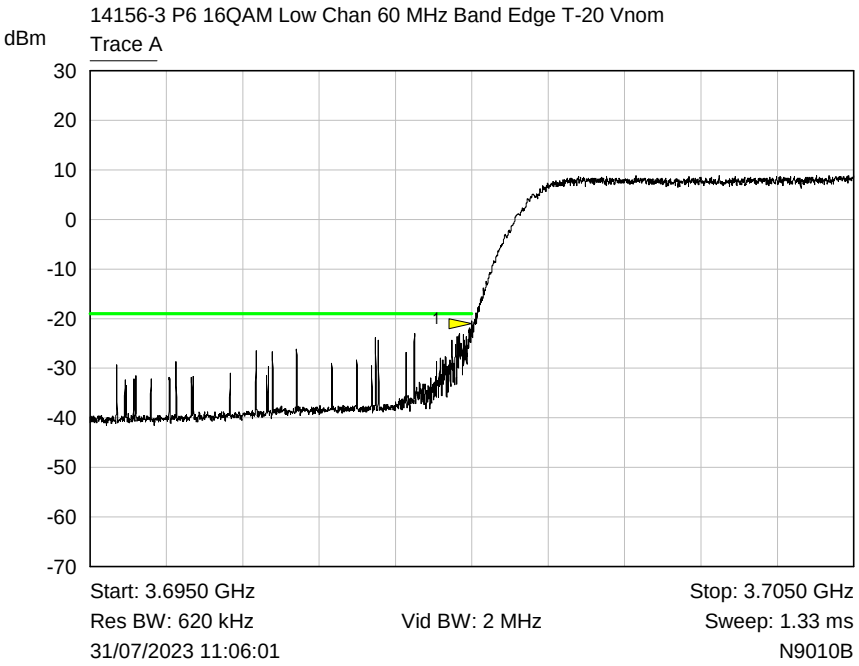
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-22.82 dBm	

-30 Degrees Low Chan



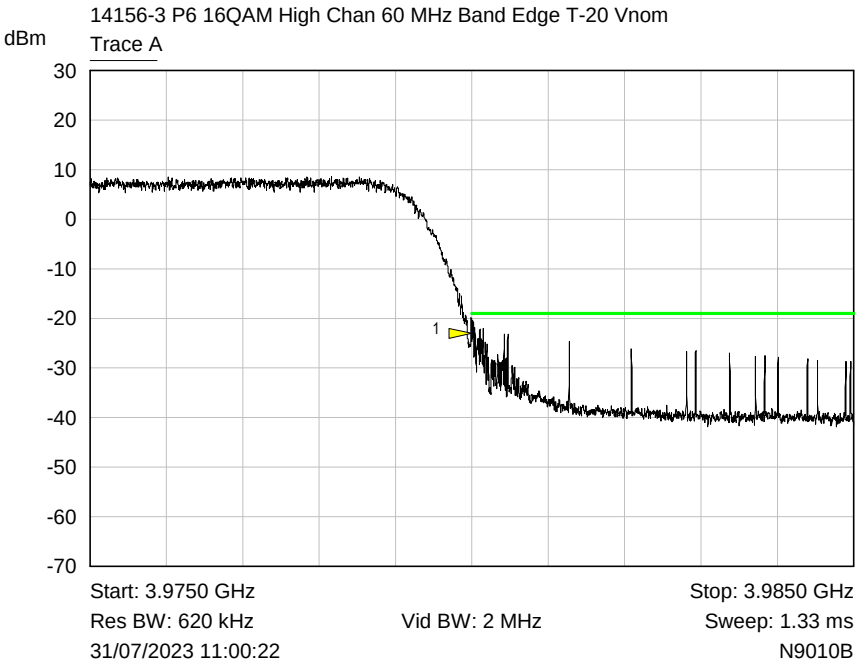
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-23.79 dBm	

-30 Degrees High Chan



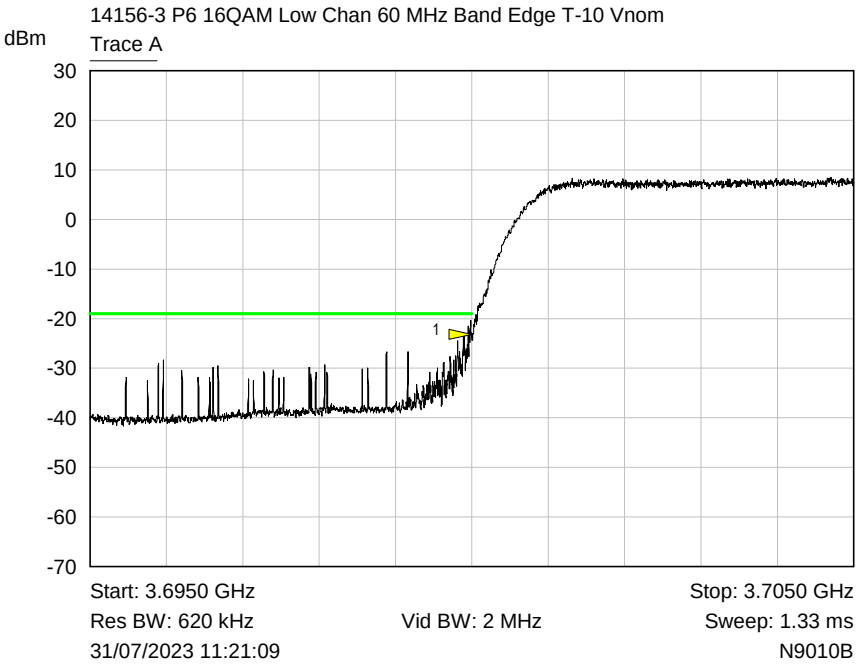
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-21.07 dBm	

-20 Degrees Low Chan



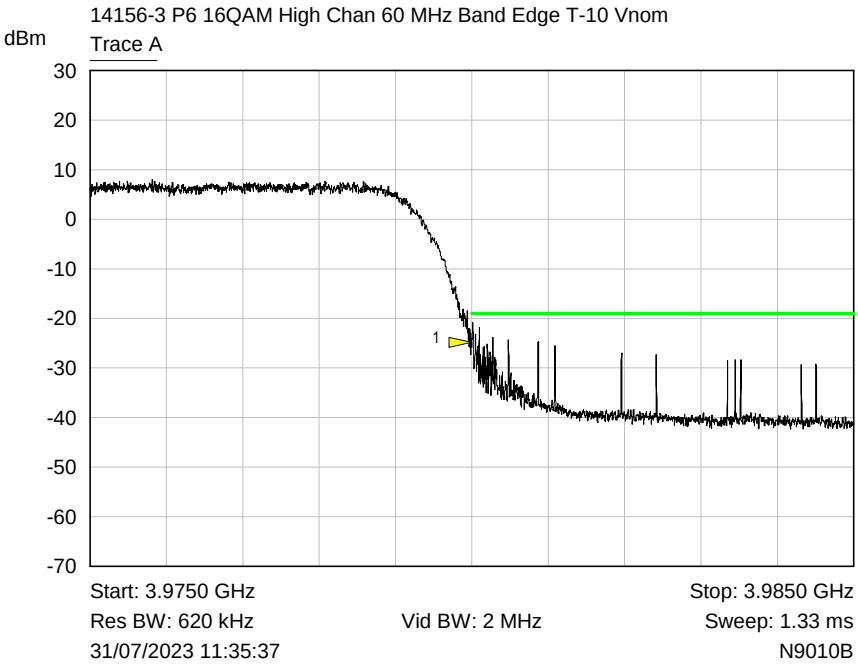
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-23.05 dBm	

-20 Degrees High Chan



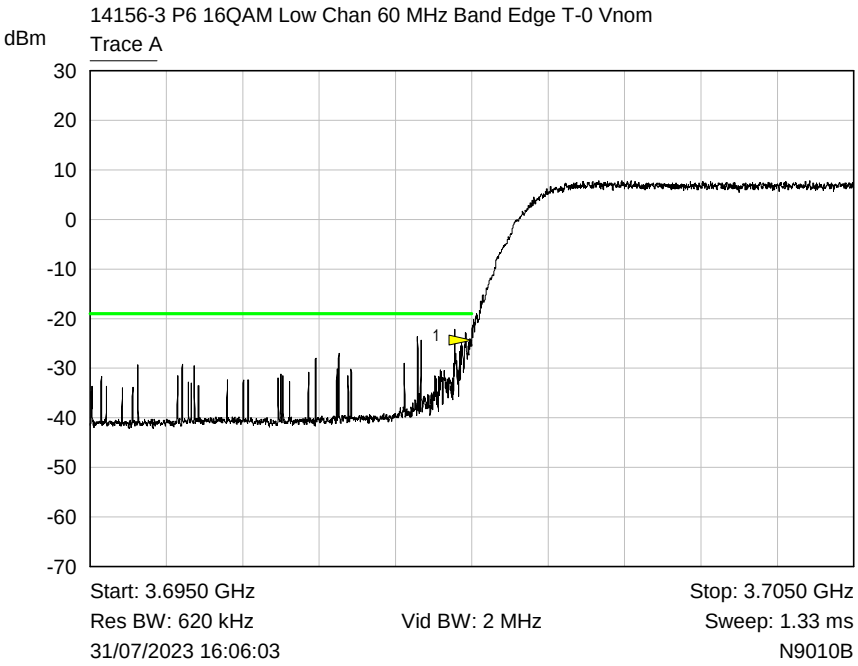
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-23.23 dBm	

-10 Degrees Low Chan



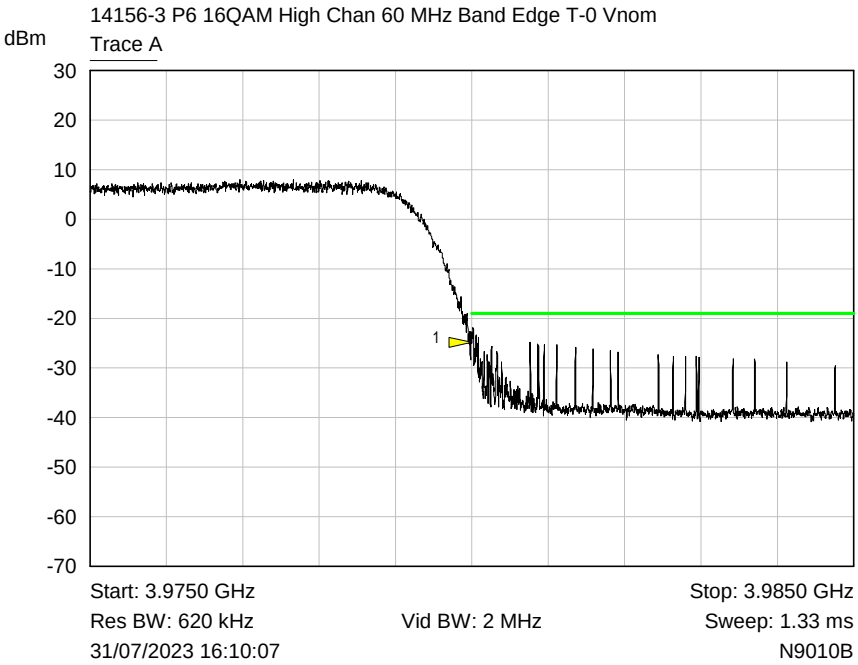
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-24.86 dBm	

-10 Degrees High Chan



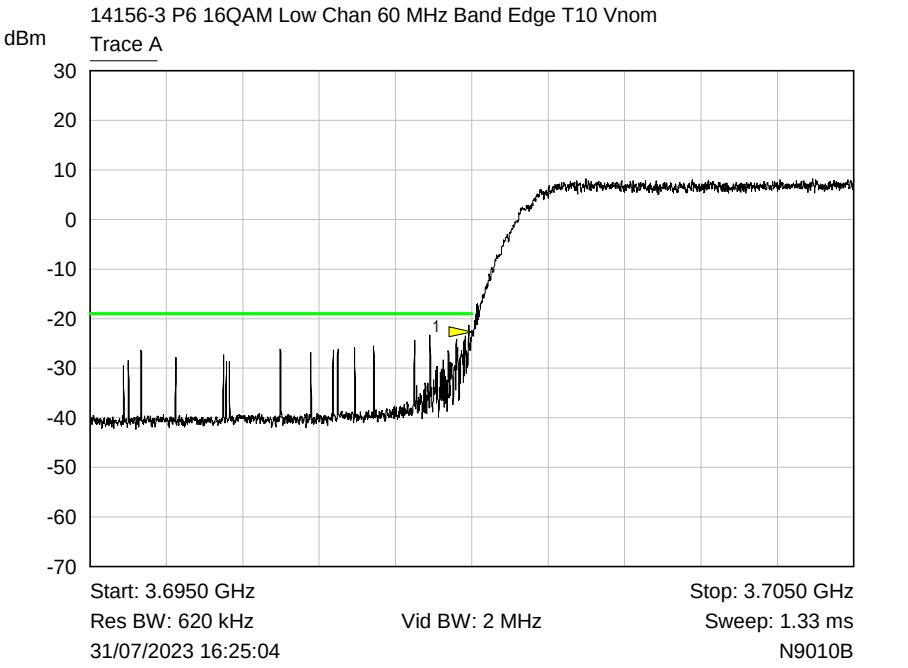
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-24.30 dBm	

0 Degrees Low Chan



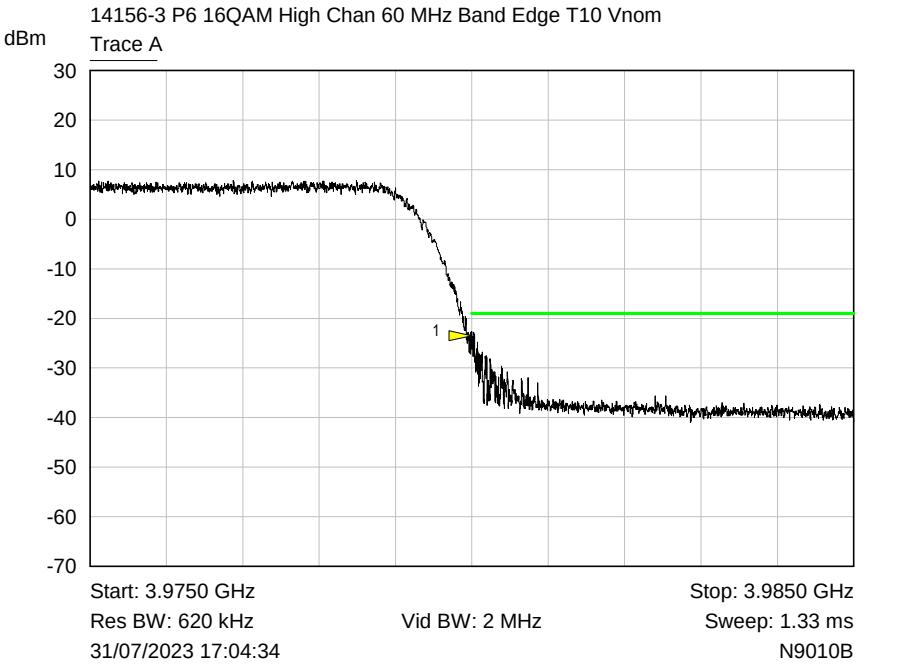
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-24.78 dBm	

0 Degrees High Chan



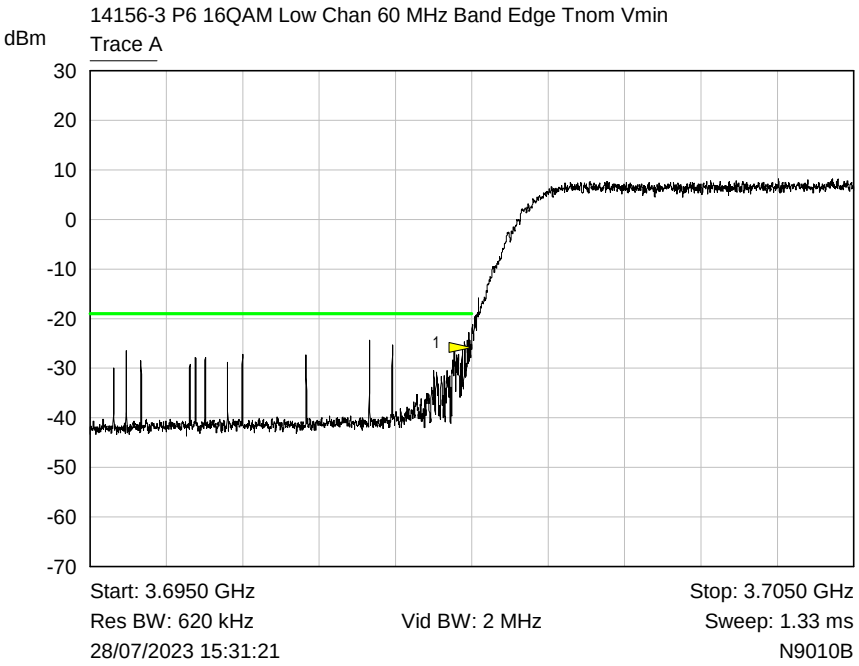
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-22.62 dBm	

+10 Degrees Low Chan



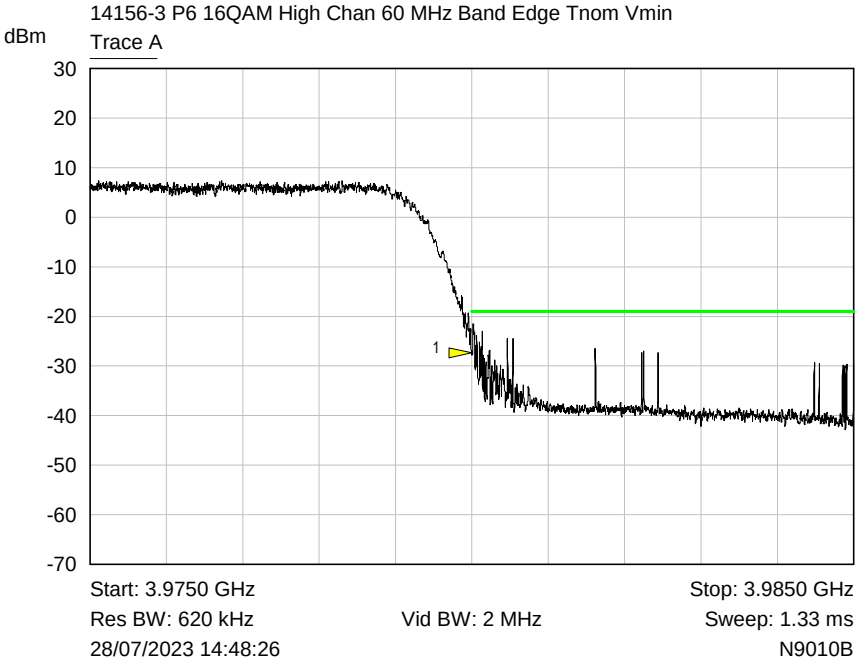
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-23.49 dBm	

+10 Degrees High Chan



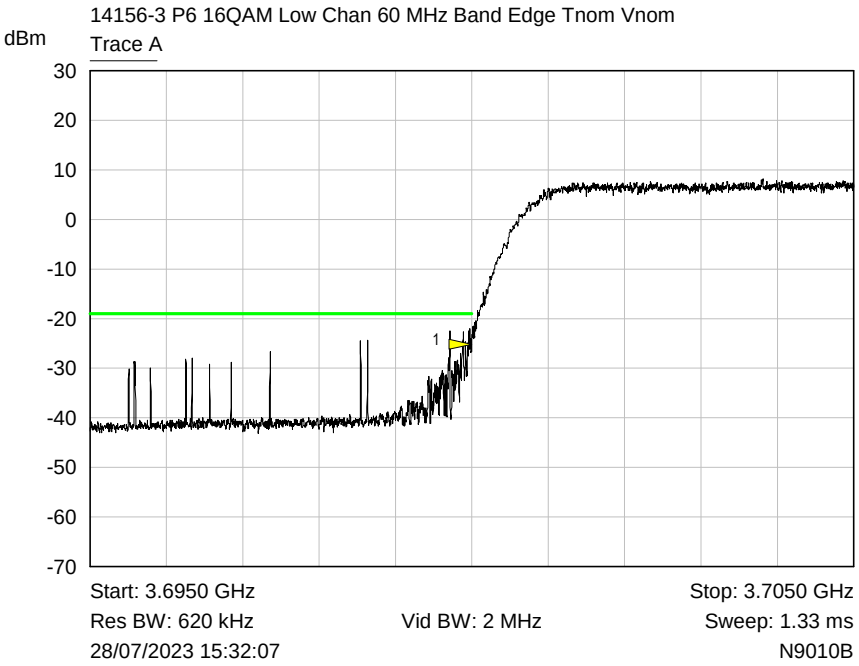
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-25.87 dBm	

+20 Degrees Min Voltage Low Chan



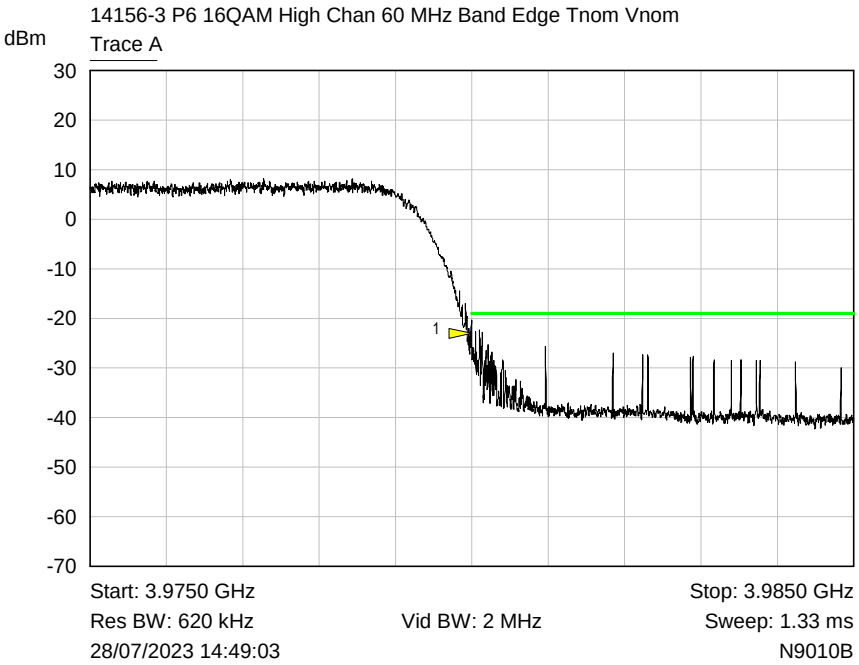
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-27.29 dBm	

+20 Degrees Min Voltage High Chan



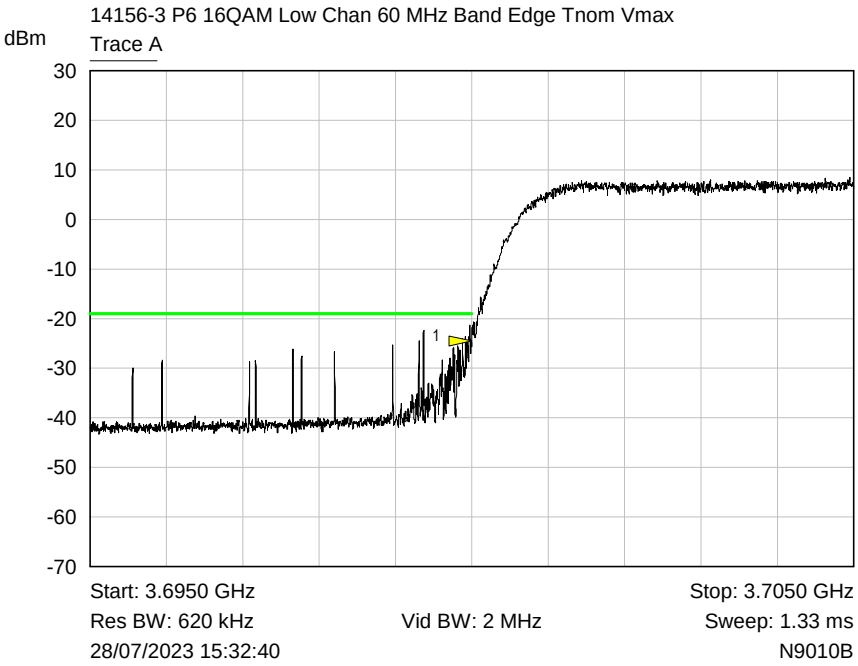
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-25.22 dBm	

+20 Degrees Nominal Voltage Low Chan



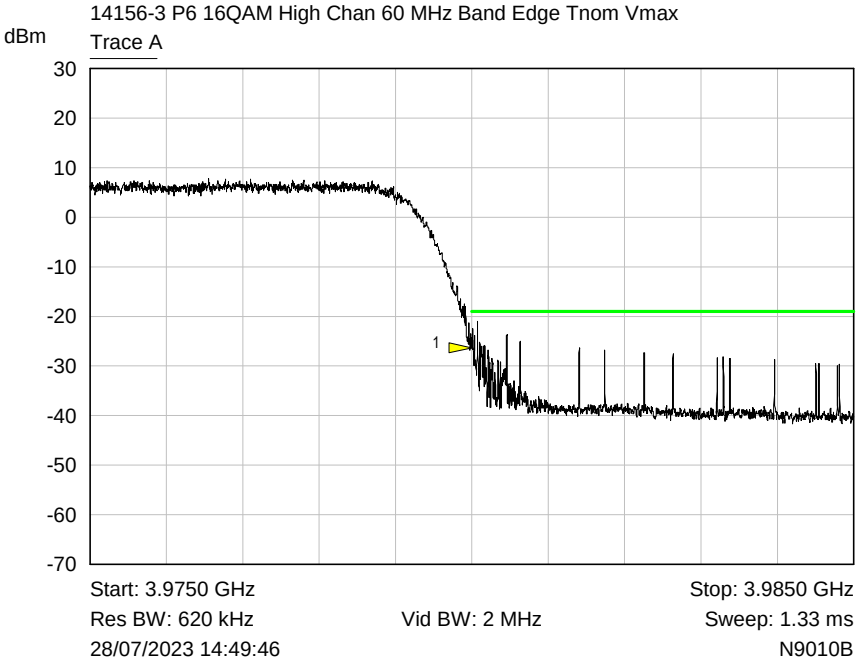
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-22.98 dBm	

+20 Degrees Nominal Voltage High Chan



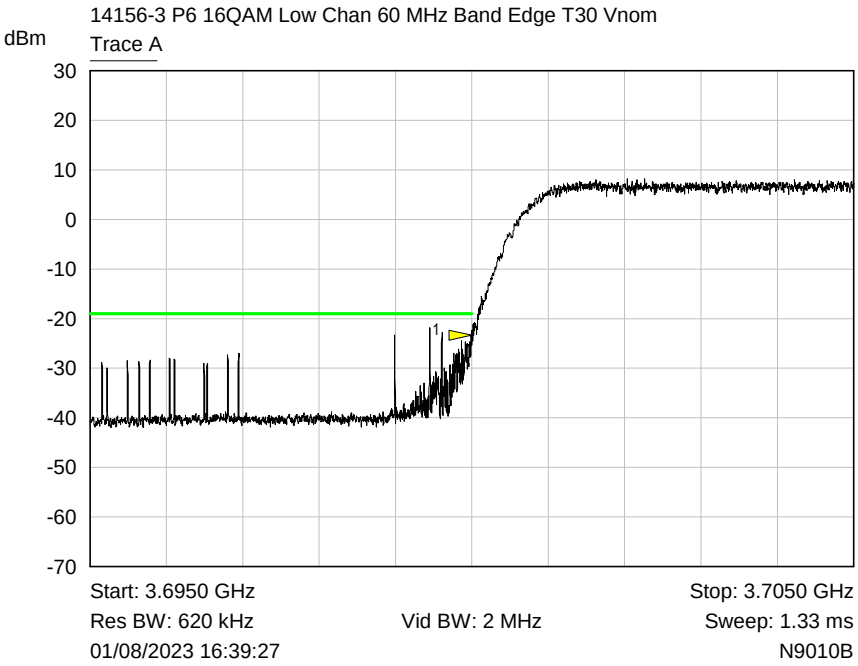
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-24.43 dBm	

+20 Degrees Max Voltage Low Chan



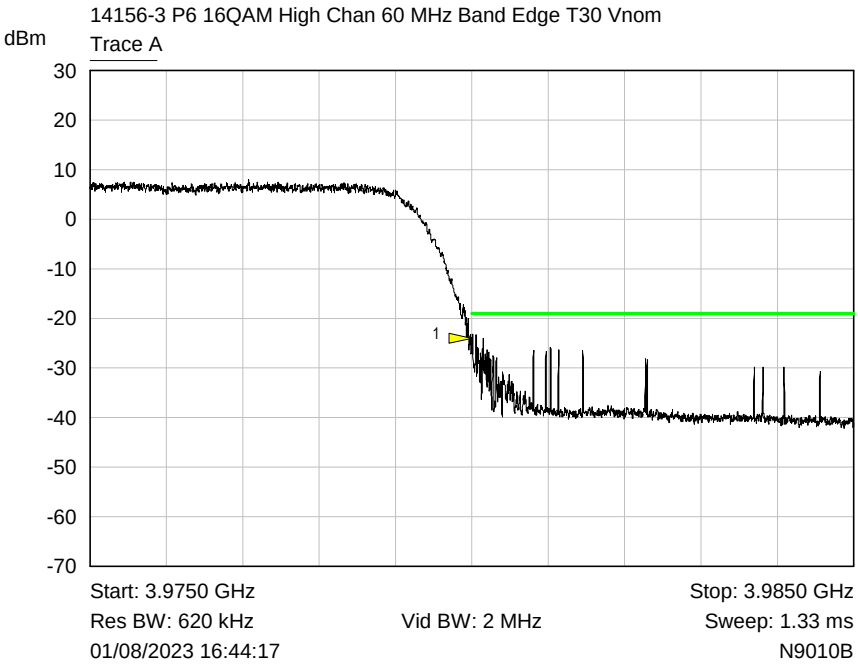
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-26.34 dBm	

+20 Degrees Max Voltage High Chan



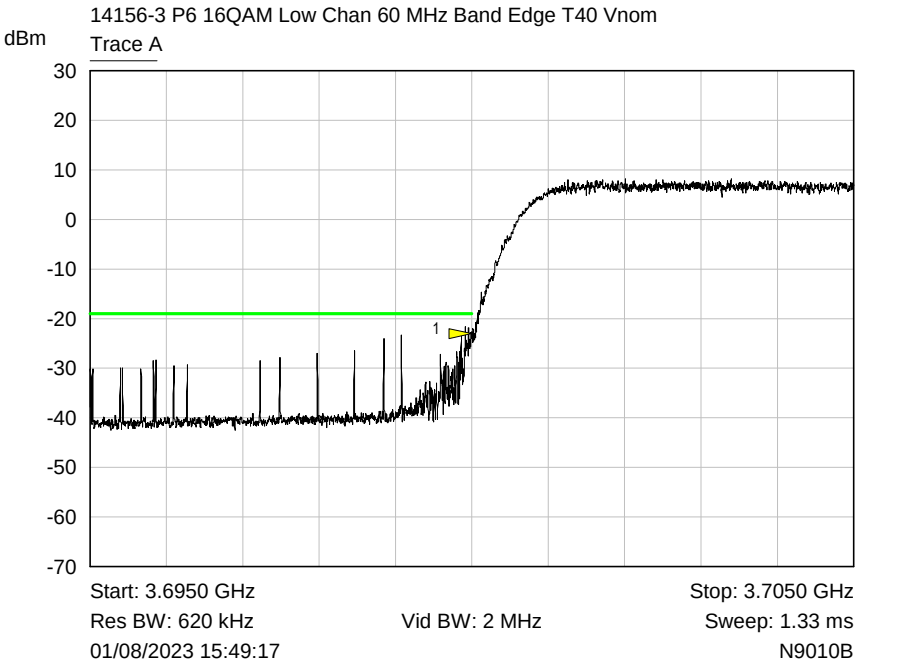
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-23.30 dBm	

+30 Degrees Low Chan



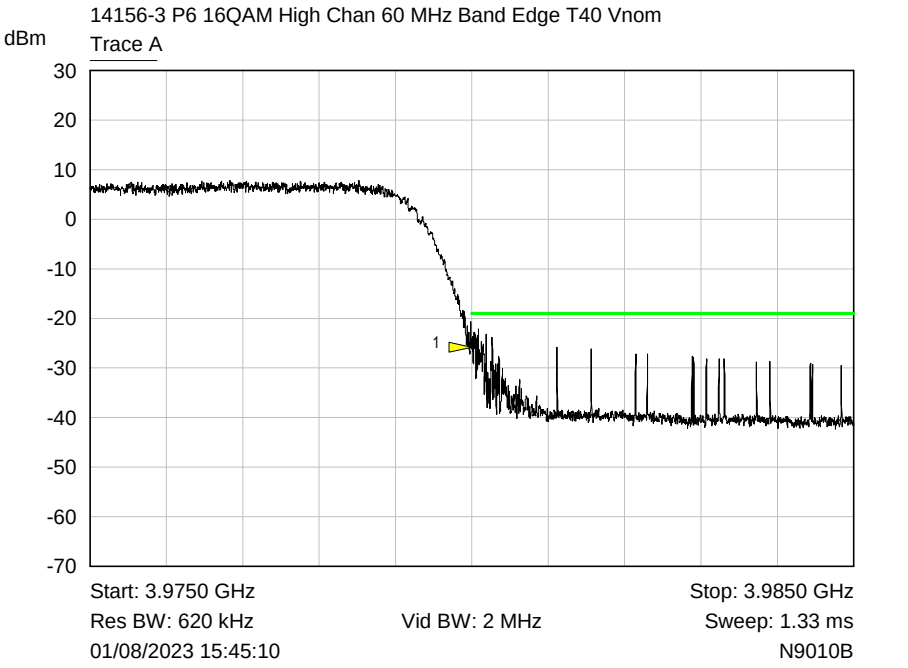
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-23.92 dBm	

+30 Degrees High Chan



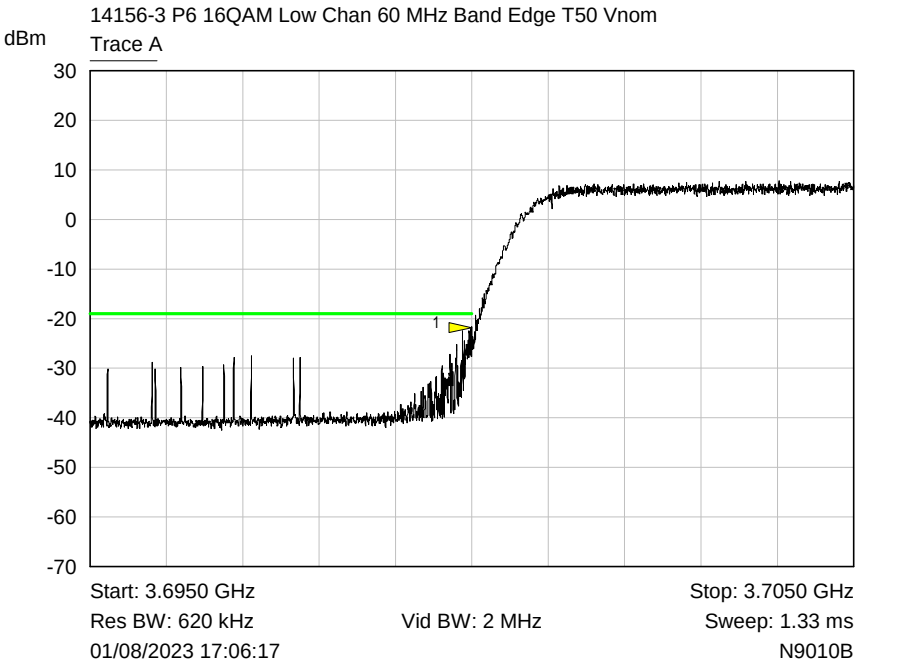
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-23.04 dBm	

+40 Degrees Low Chan



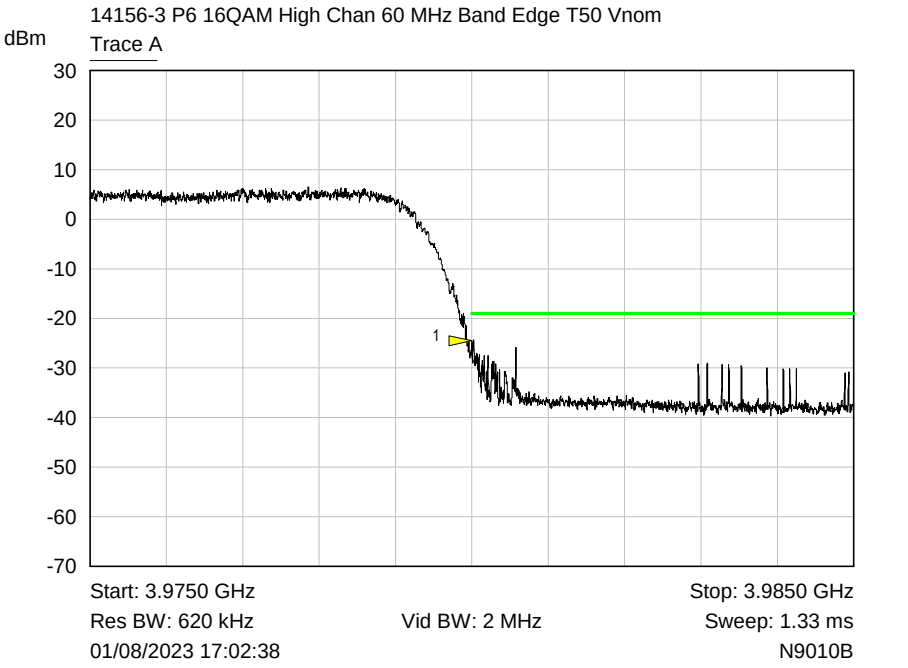
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-25.75 dBm	

+40 Degrees High Chan



Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-21.81 dBm	

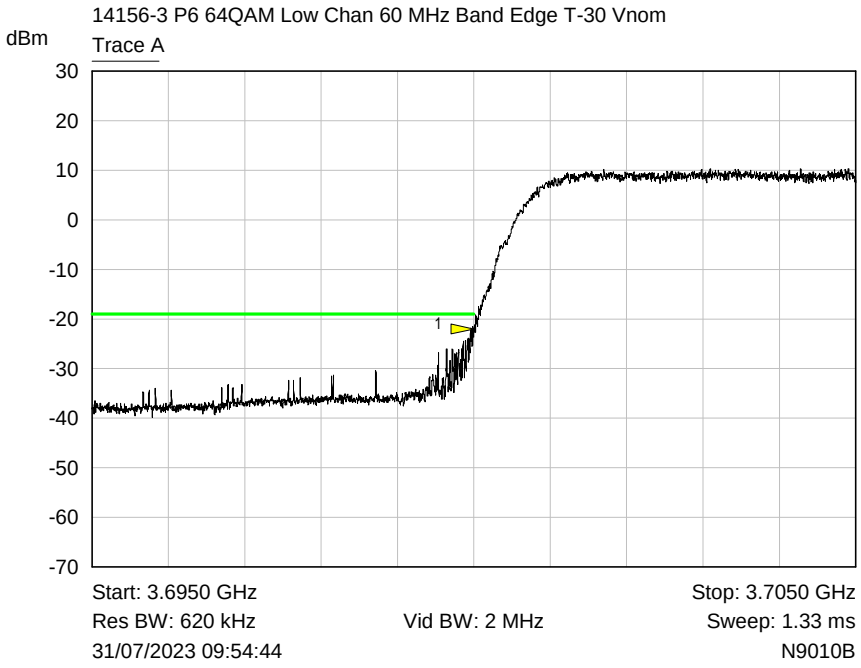
+50 Degrees Low Chan



Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-24.49 dBm	

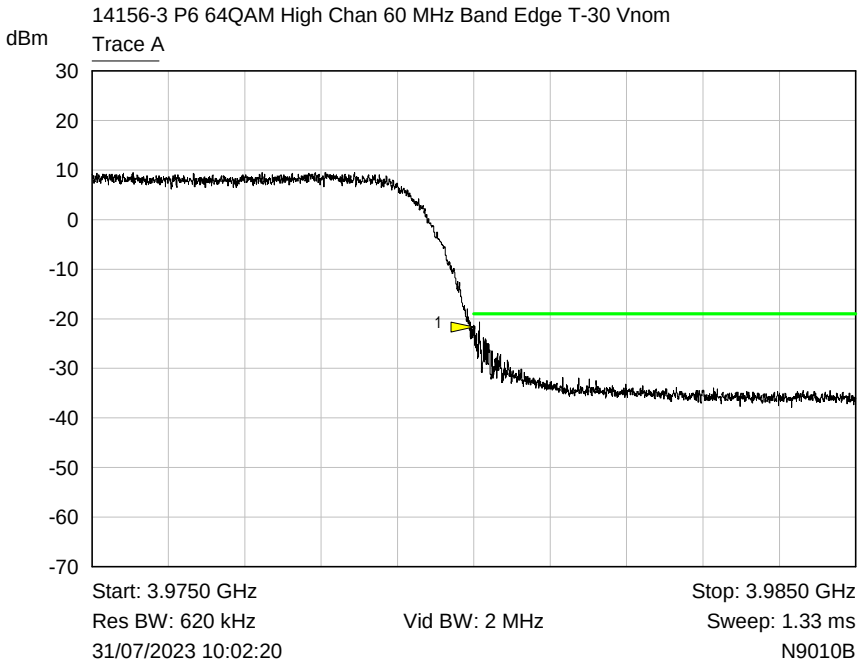
+50 Degrees High Chan

RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 60 MHz, 64 QAM



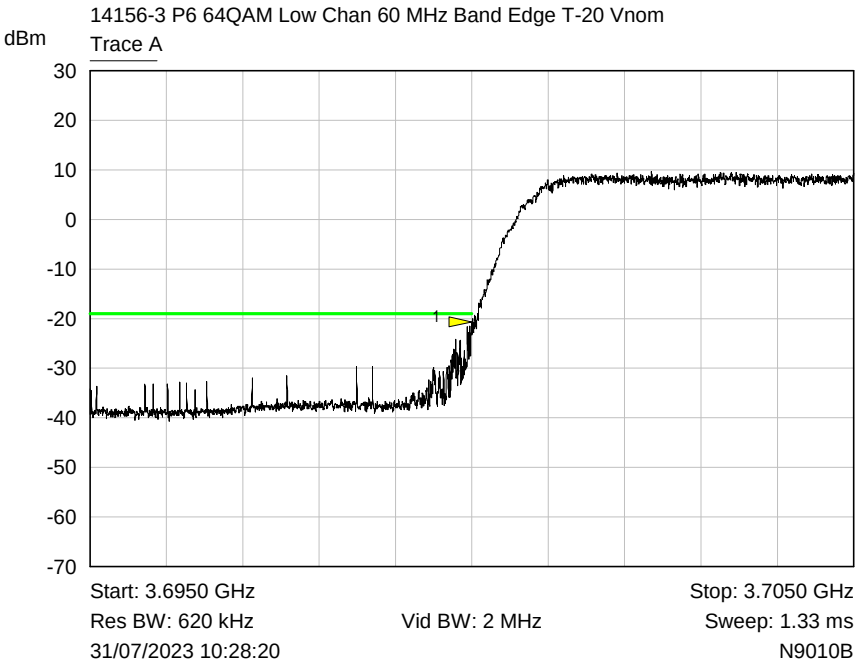
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	3.7000 GHz	-21.93 dBm	

-30 Degrees Low Chan



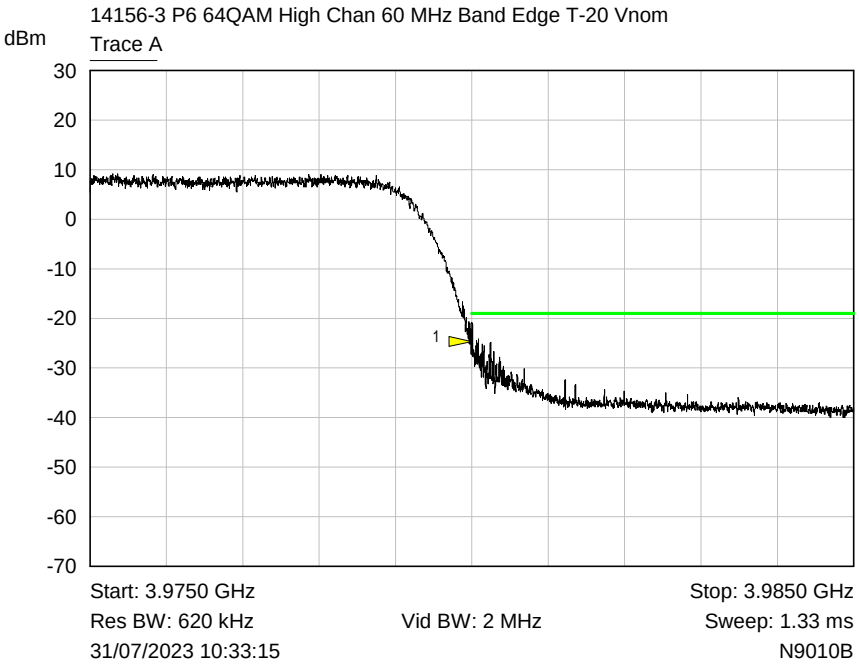
Mkr	Trace	X-Axis	Value	Notes
1 ▽	Trace A	3.9800 GHz	-21.64 dBm	

-30 Degrees High Chan



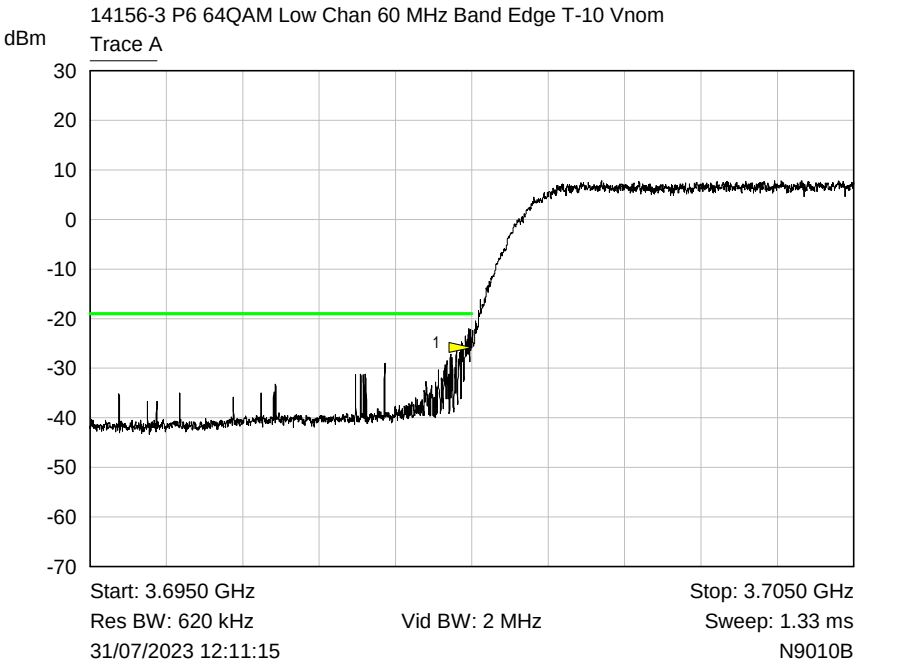
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-20.71 dBm	

-20 Degrees Low Chan



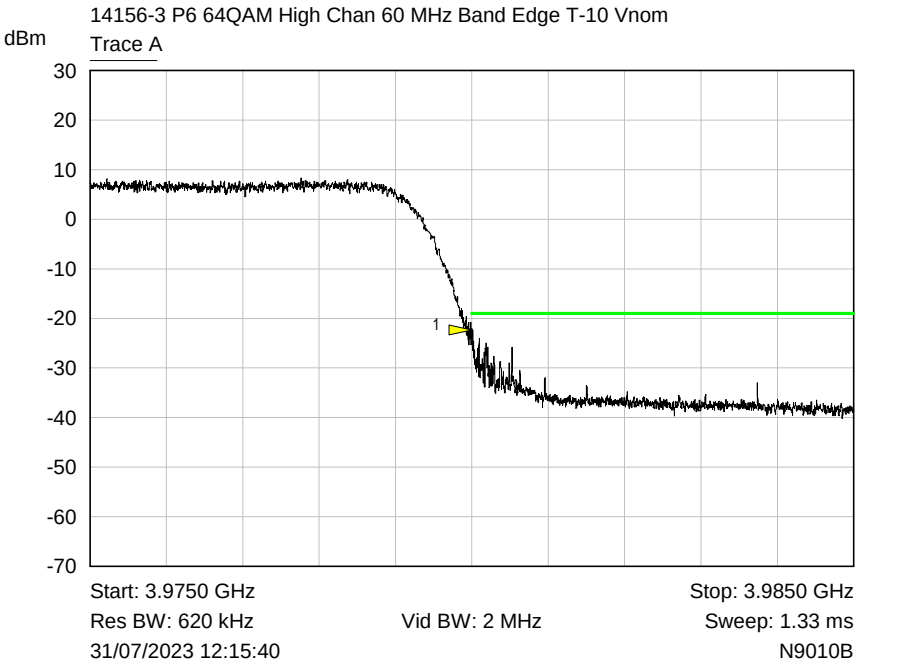
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-24.61 dBm	

-20 Degrees High Chan



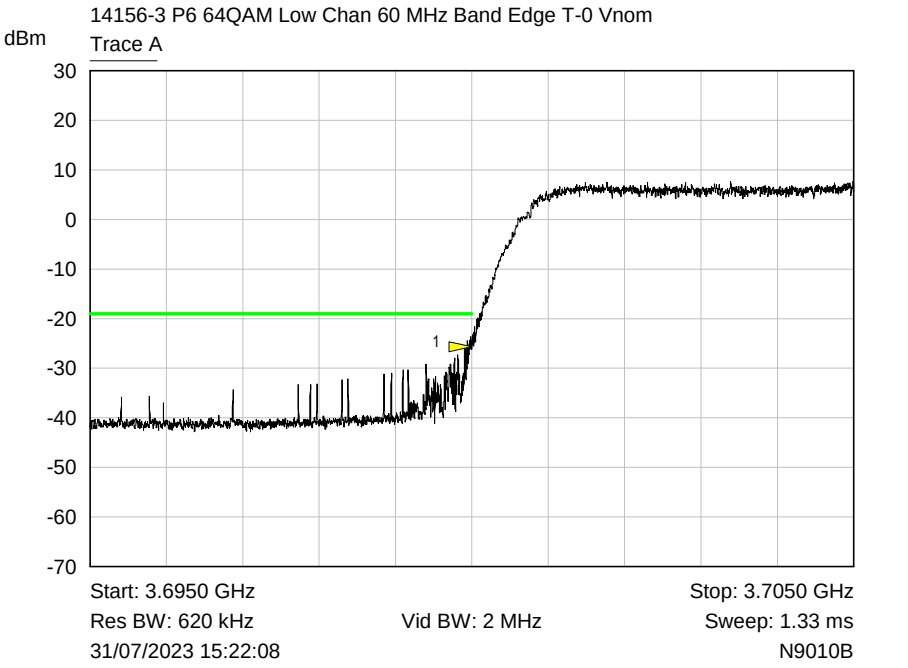
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-25.84 dBm	

-10 Degrees Low Chan



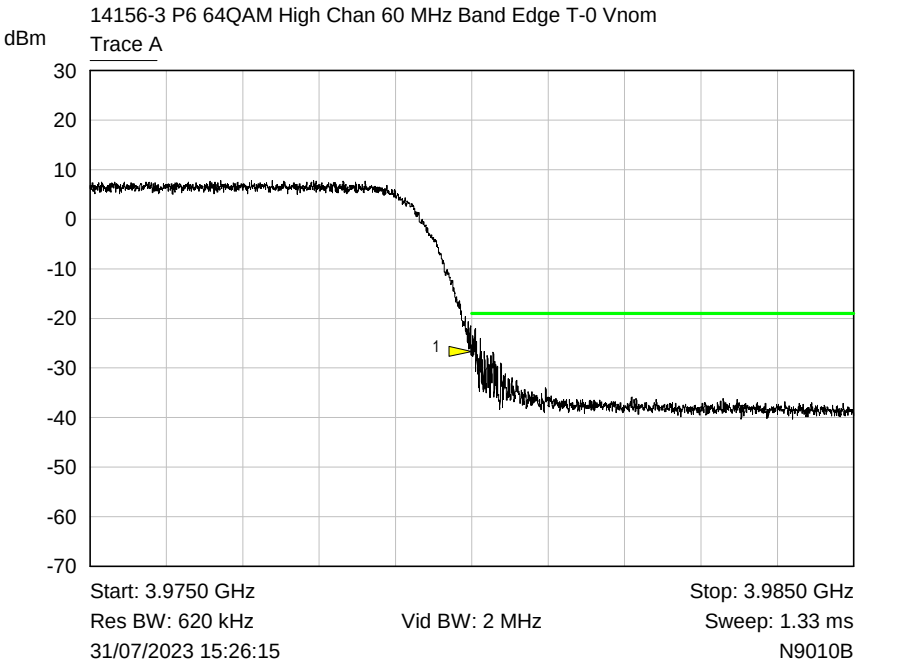
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-22.39 dBm	

-10 Degrees High Chan



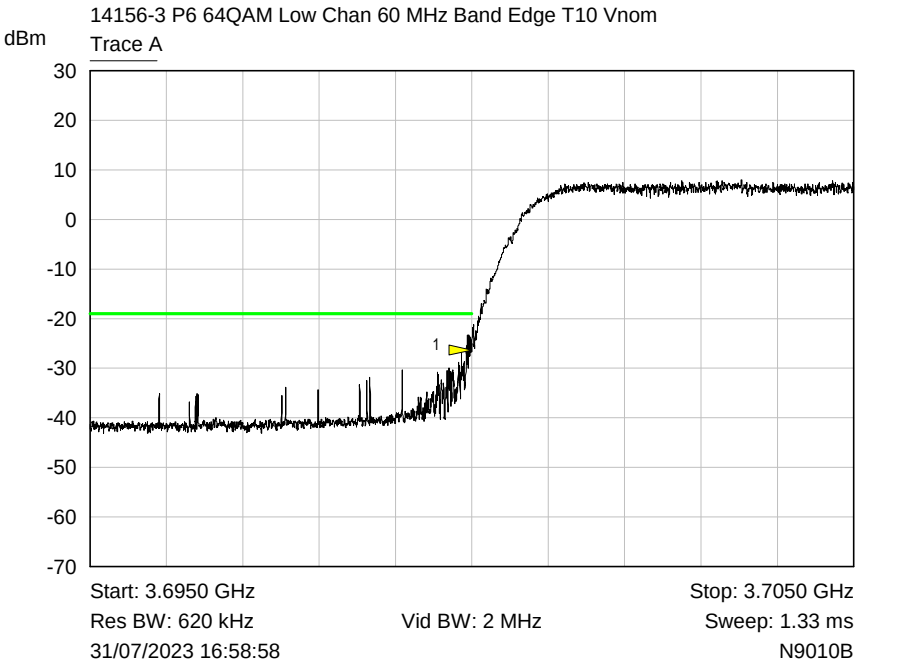
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-25.72 dBm	

0 Degrees Low Chan



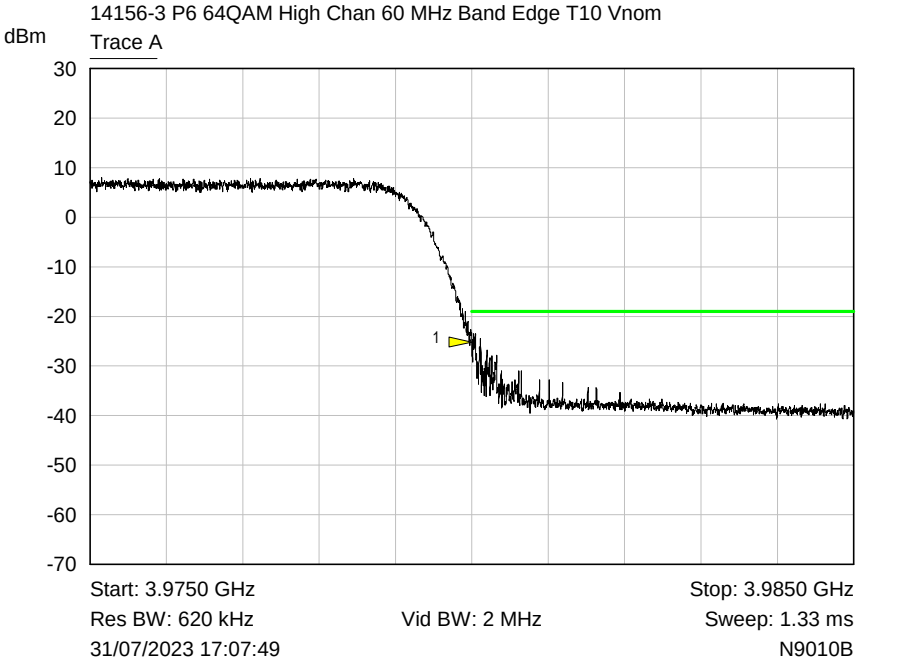
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-26.73 dBm	

0 Degrees High Chan



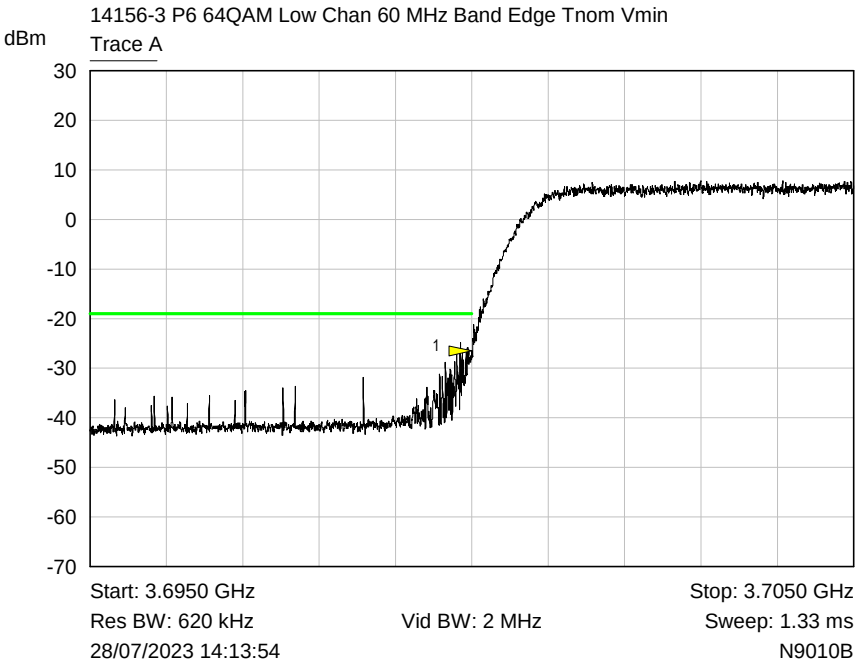
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-26.35 dBm	

+10 Degrees Low Chan



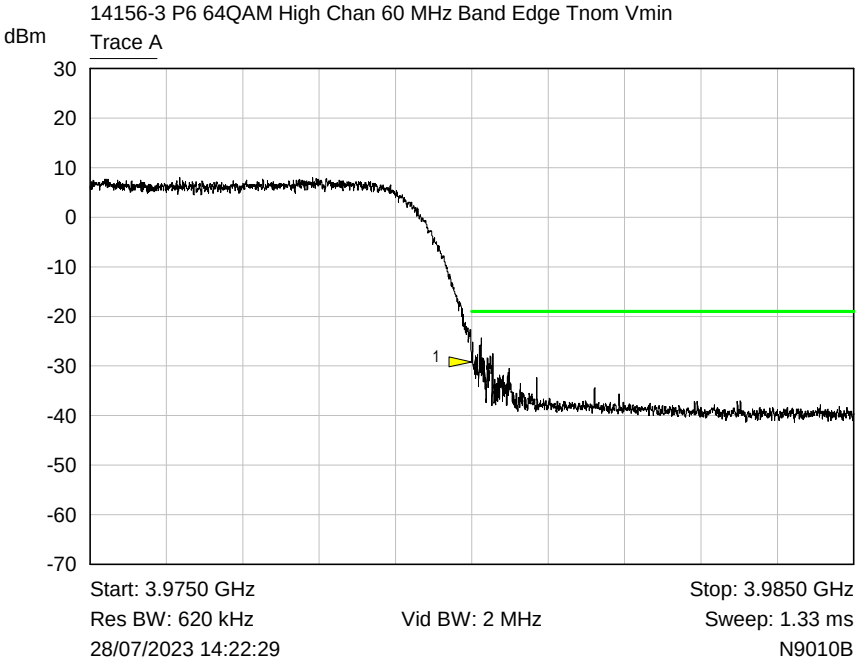
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-25.10 dBm	

+10 Degrees High Chan



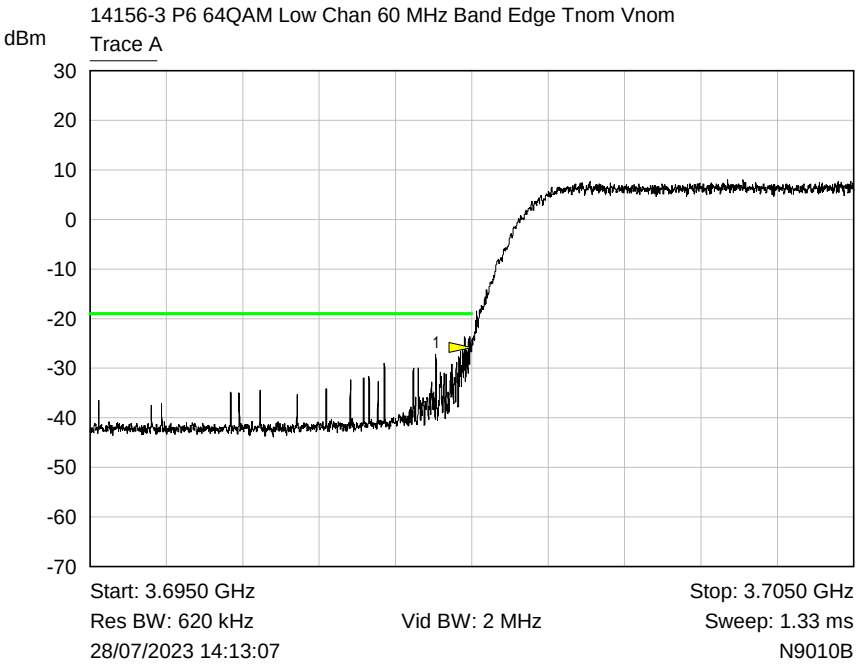
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-26.50 dBm	

+20 Degrees Min Voltage Low Chan



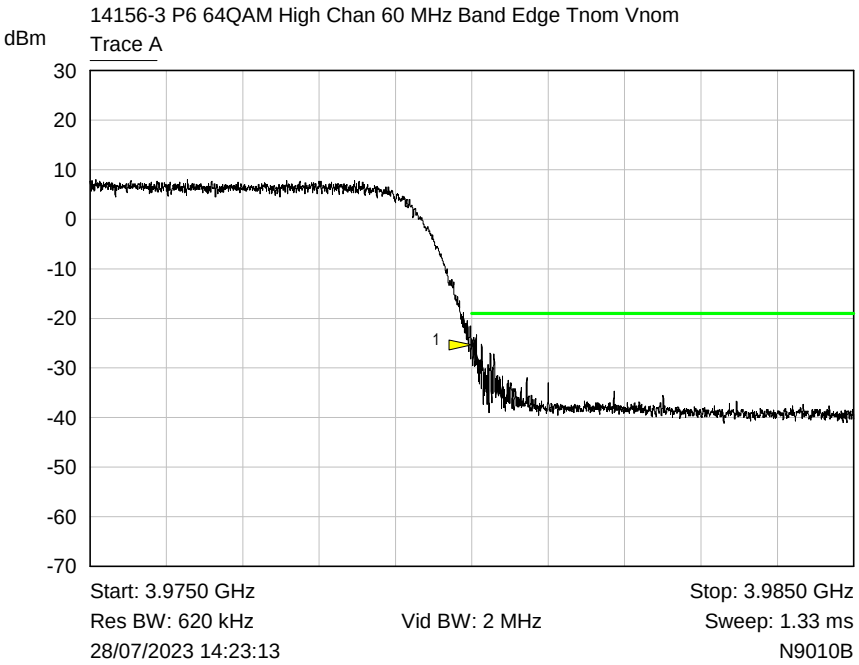
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-29.24 dBm	

+20 Degrees Min Voltage High Chan



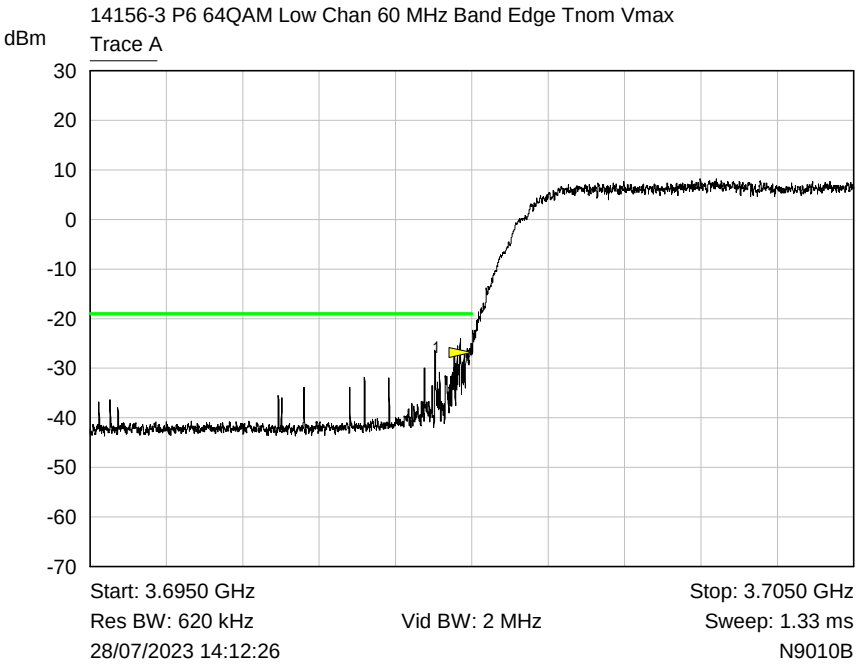
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-25.89 dBm	

+20 Degrees Nominal Voltage Low Chan



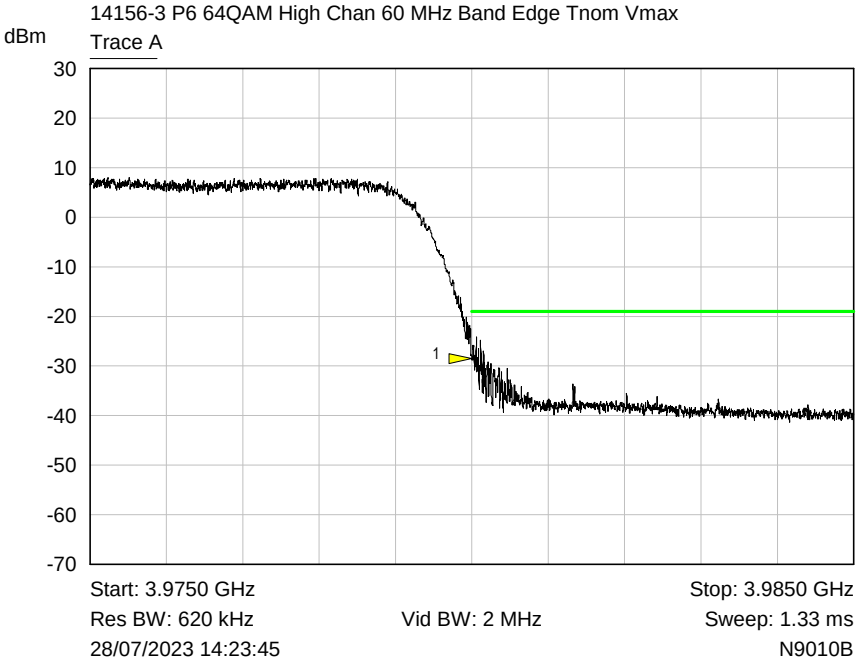
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-25.35 dBm	

+20 Degrees Nominal Voltage High Chan



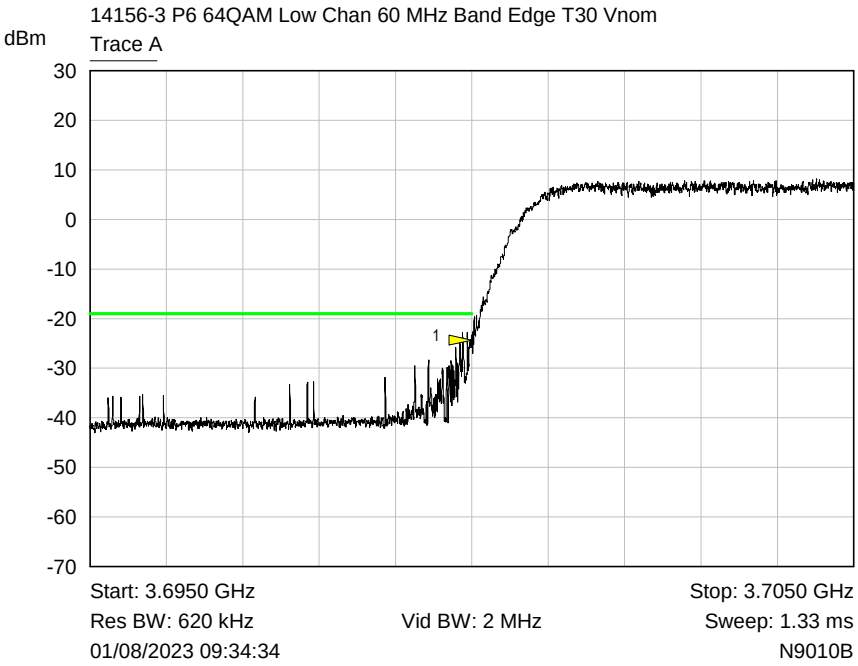
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-26.82 dBm	

+20 Degrees Max Voltage Low Chan



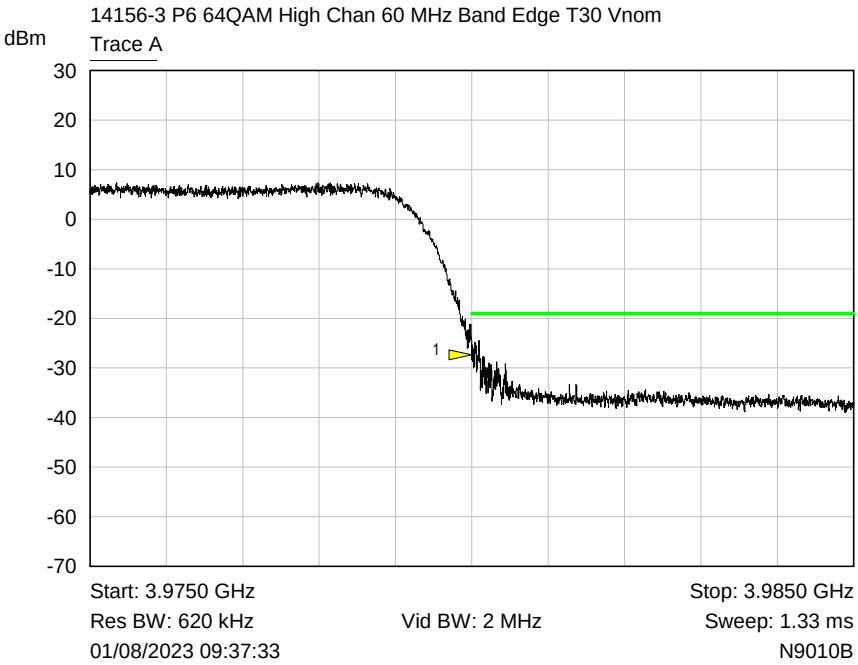
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-28.56 dBm	

+20 Degrees Max Voltage High Chan



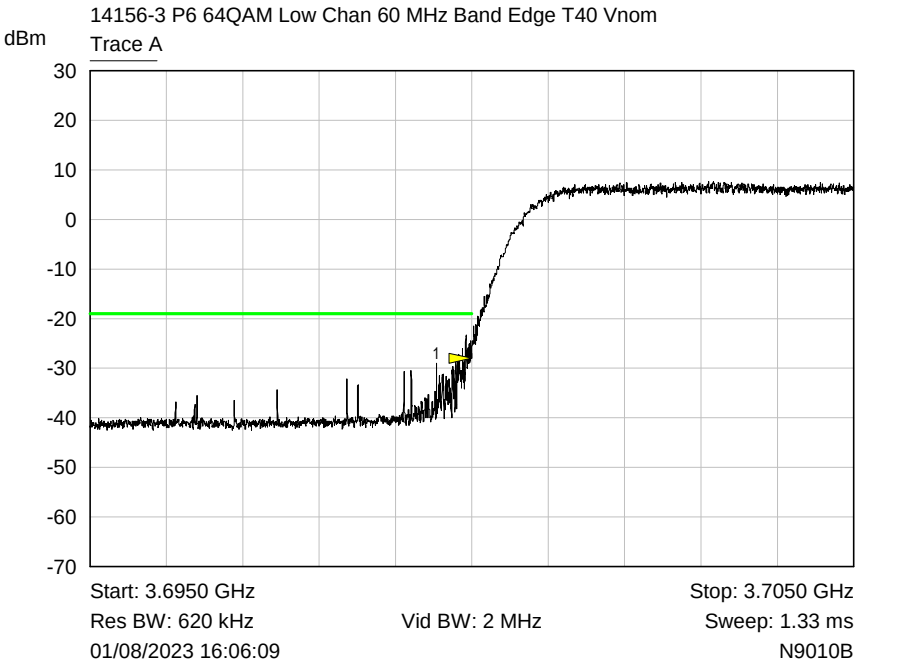
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-24.34 dBm	

+30 Degrees Low Chan



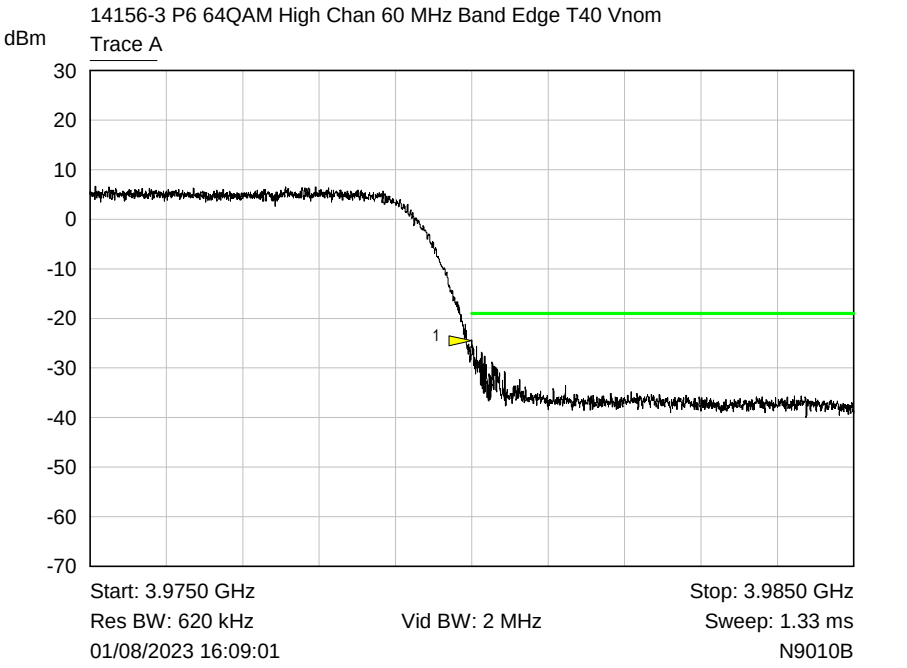
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-27.38 dBm	

+30 Degrees High Chan



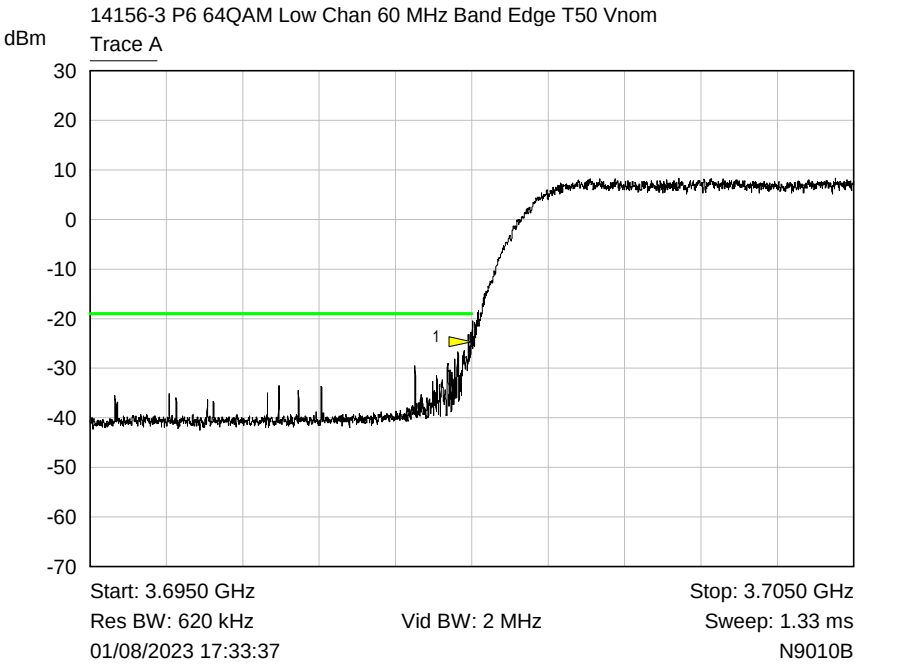
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-28.06 dBm	

+40 Degrees Low Chan



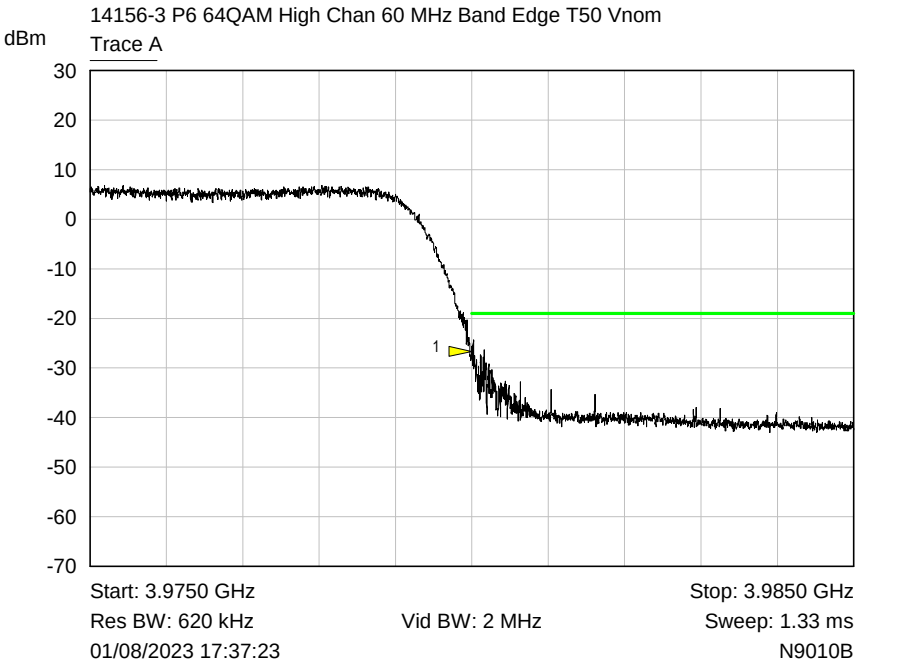
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-24.55 dBm	

+40 Degrees High Chan



Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-24.68 dBm	

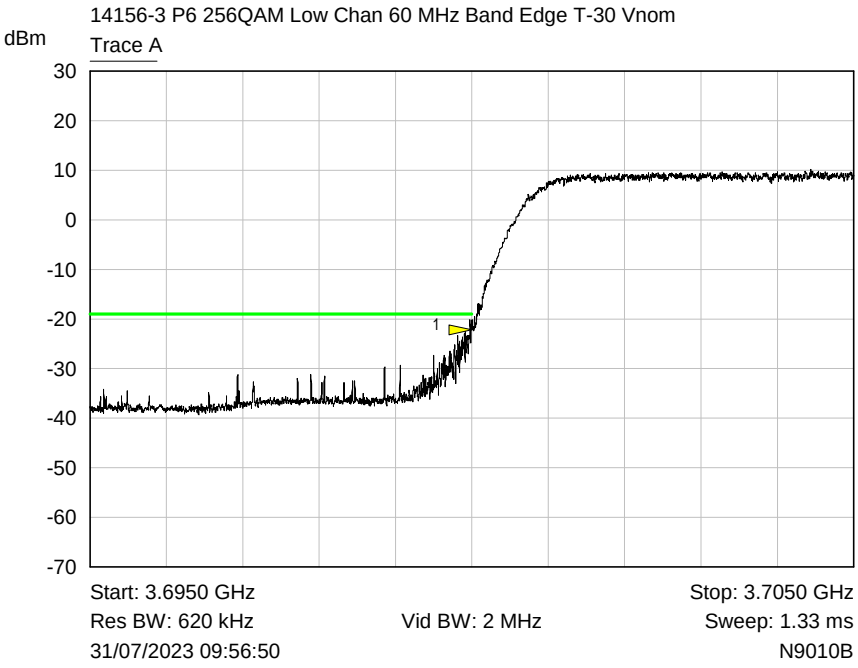
+50 Degrees Low Chan



Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-26.74 dBm	

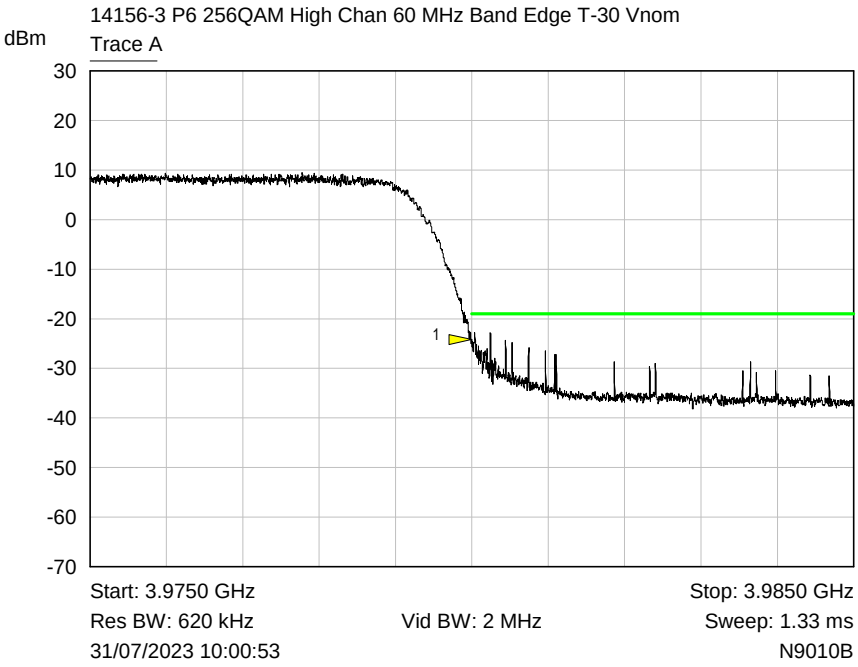
+50 Degrees High Chan

RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 0 60 MHz, 256 QAM



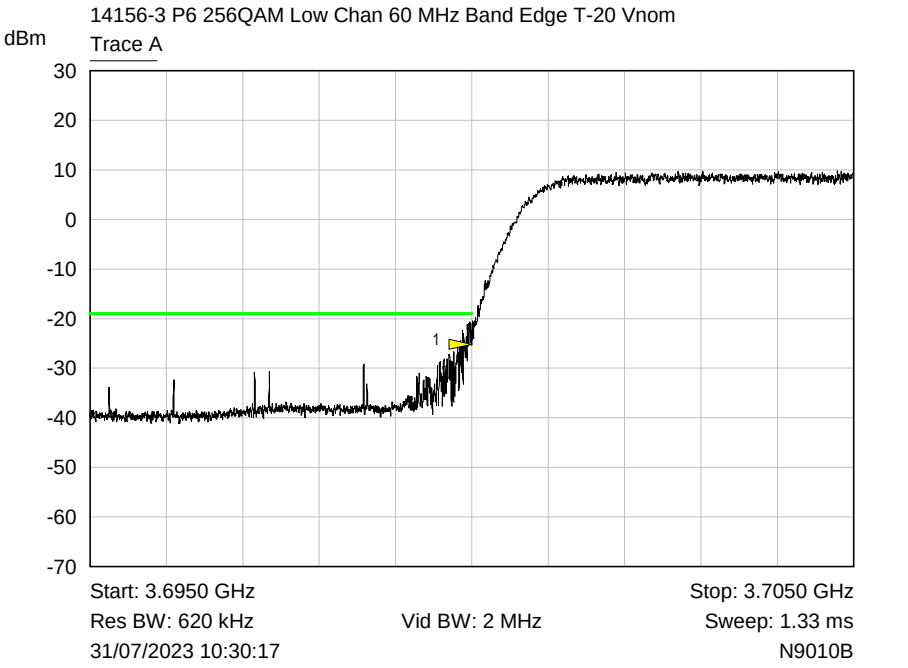
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-22.12 dBm	

-30 Degrees Low Chan



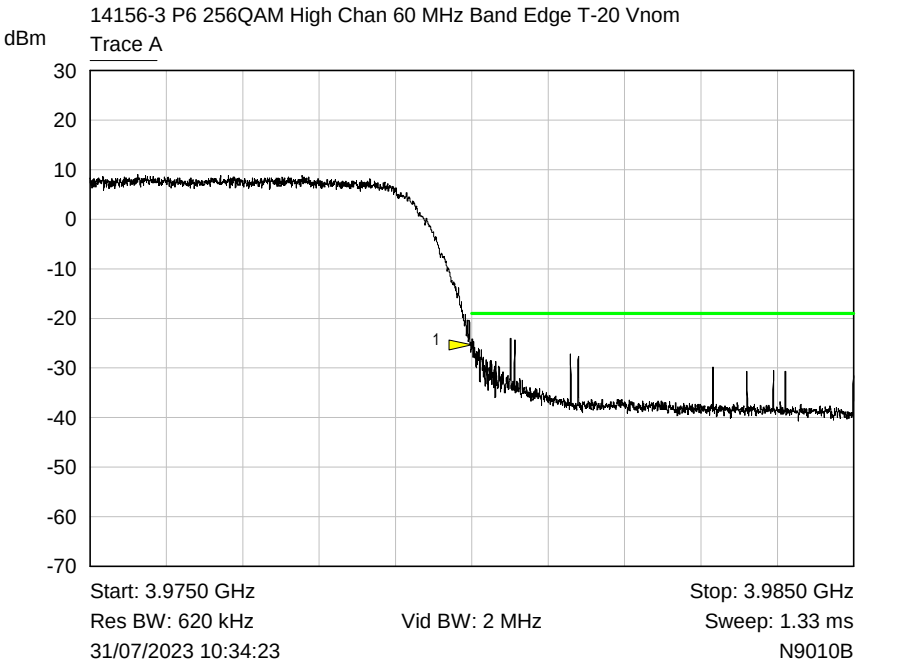
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-24.13 dBm	

-30 Degrees High Chan



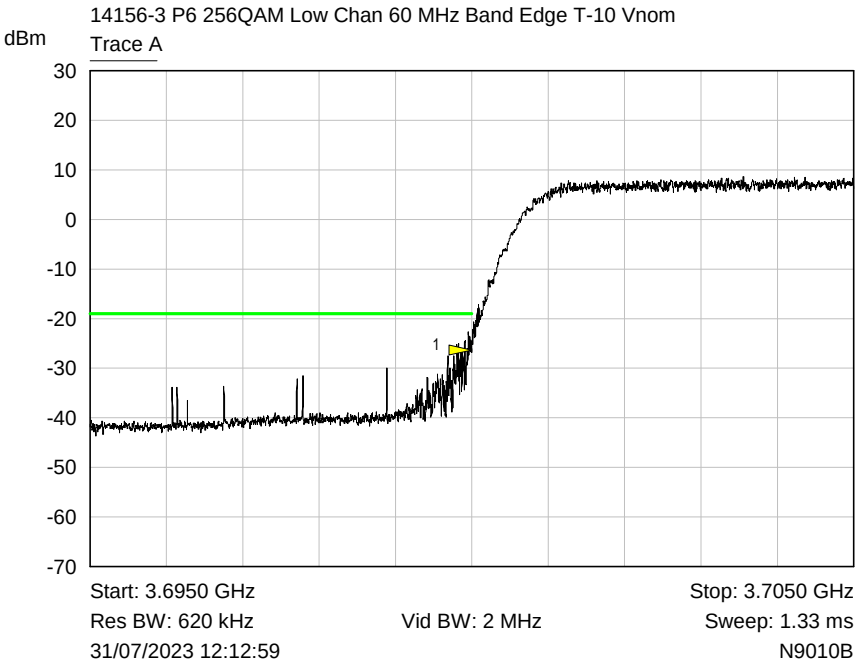
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-25.13 dBm	

-20 Degrees Low Chan



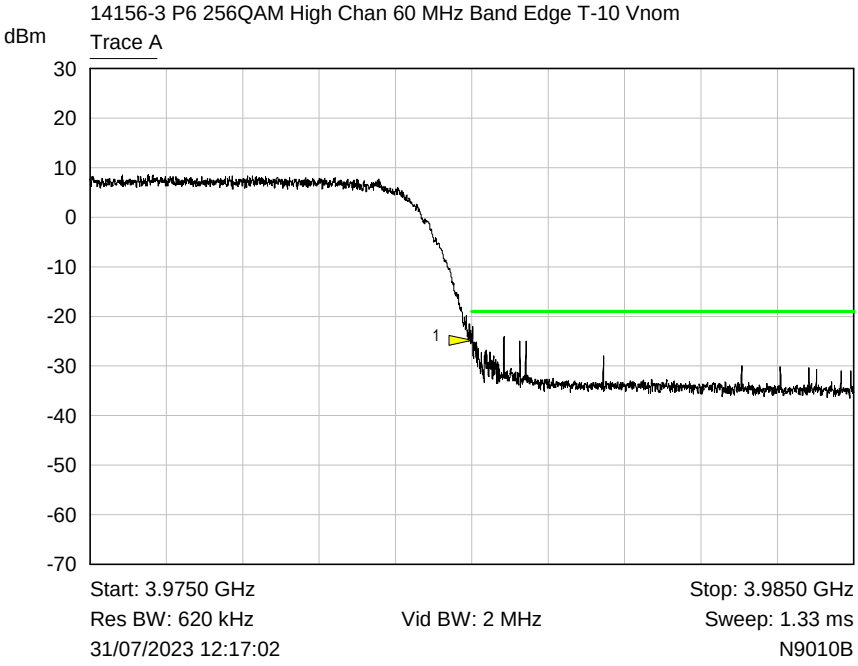
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-25.28 dBm	

-20 Degrees High Chan



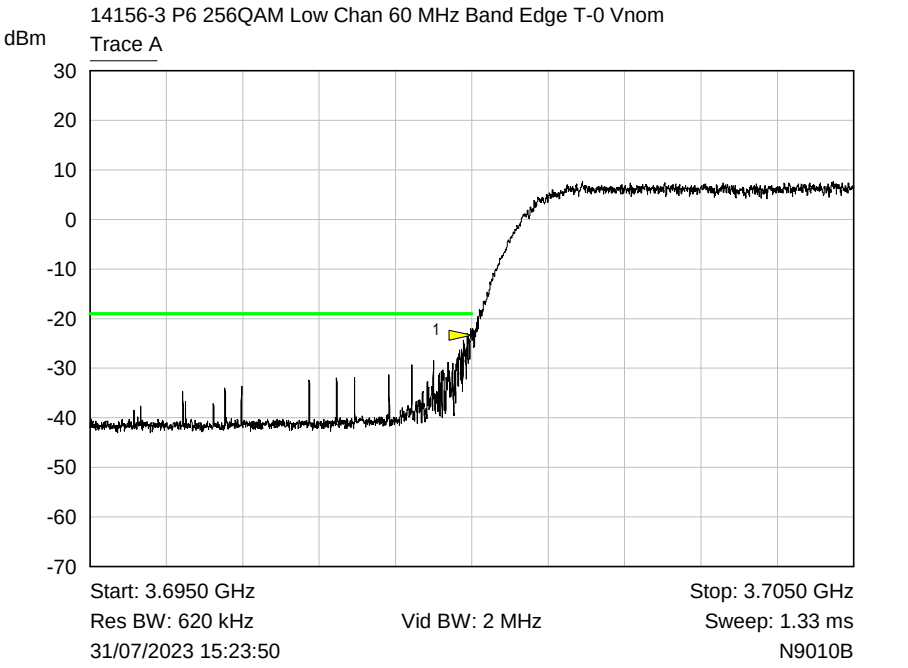
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-26.39 dBm	

-10 Degrees Low Chan



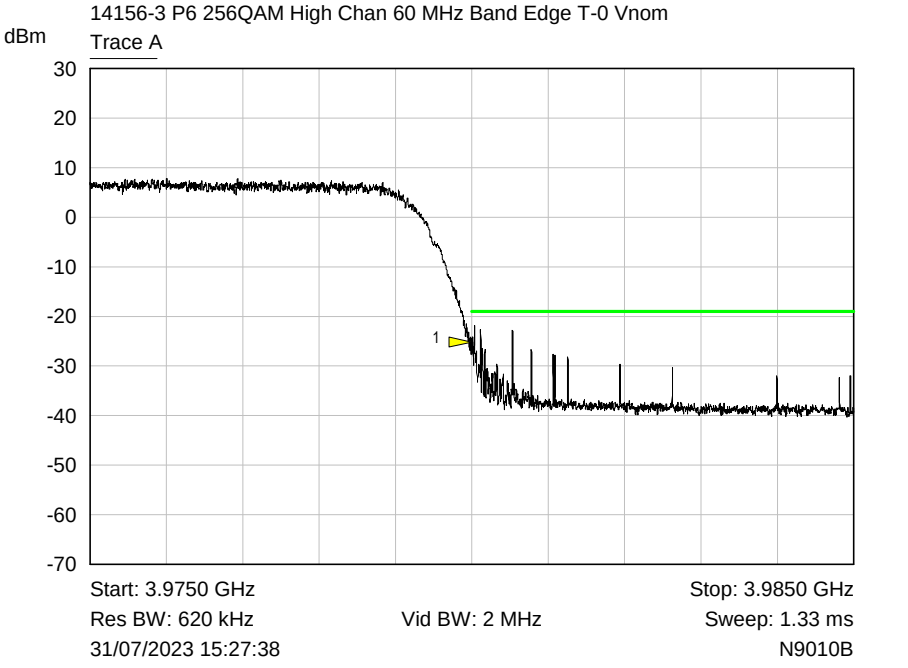
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-24.90 dBm	

-10 Degrees High Chan



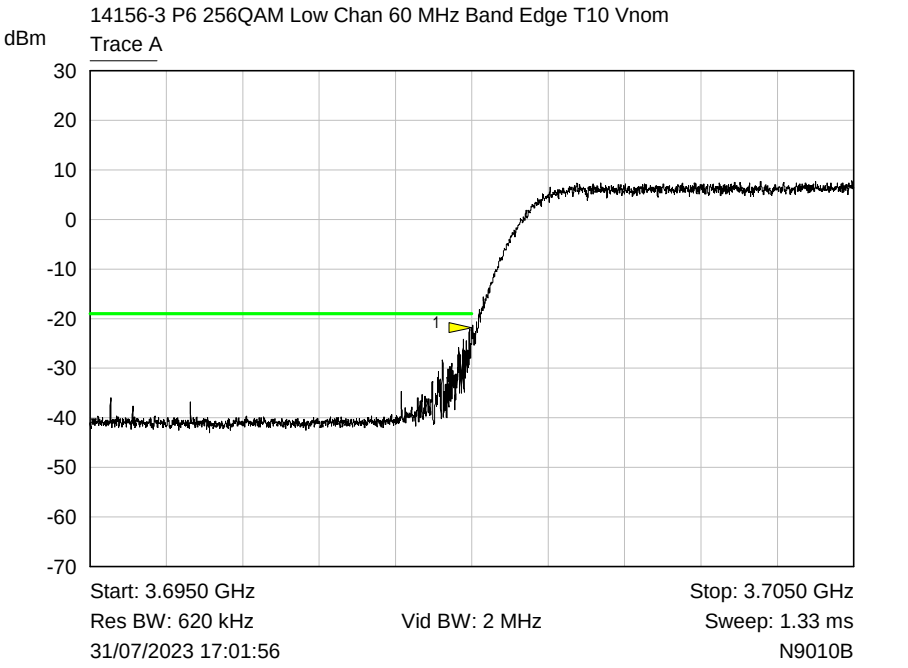
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-23.39 dBm	

0 Degrees Low Chan



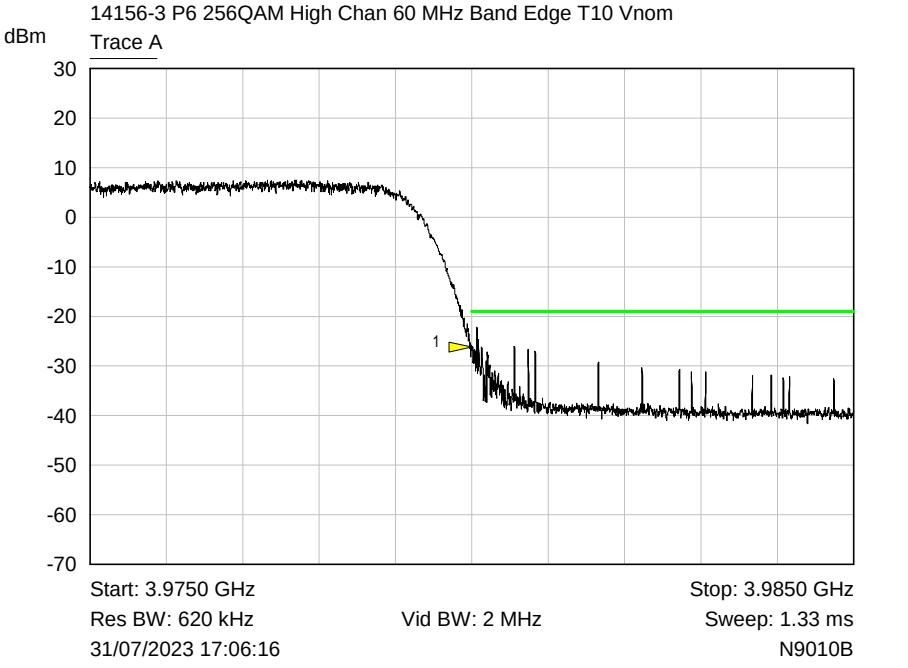
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-25.24 dBm	

0 Degrees High Chan



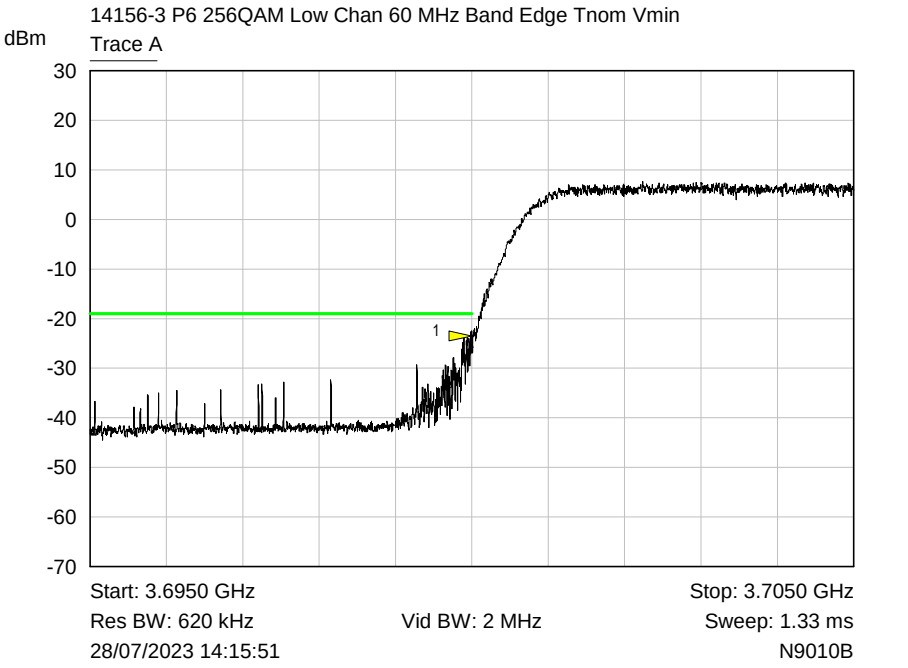
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-21.83 dBm	

+10 Degrees Low Chan



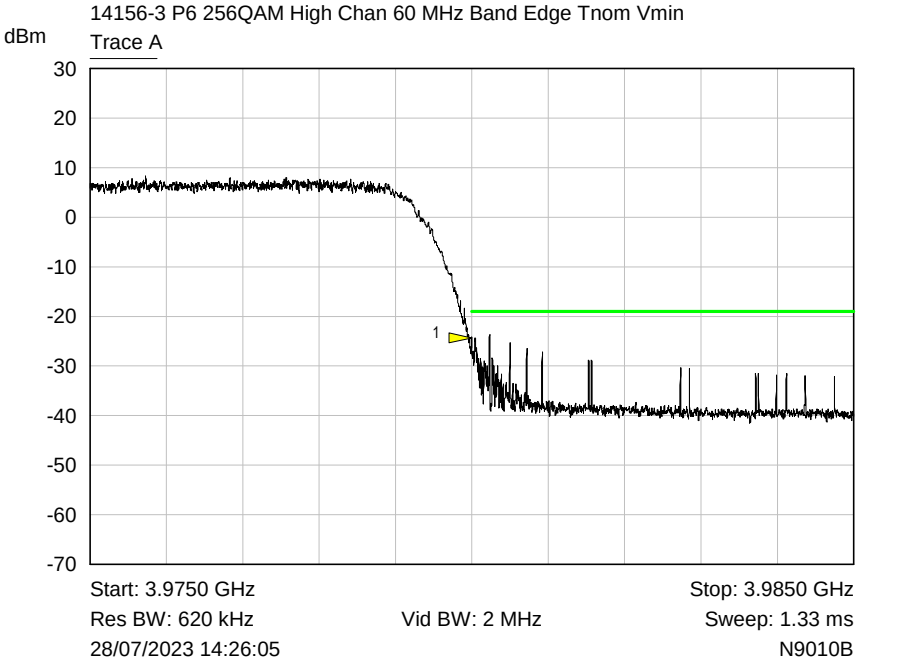
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-26.21 dBm	

+10 Degrees High Chan



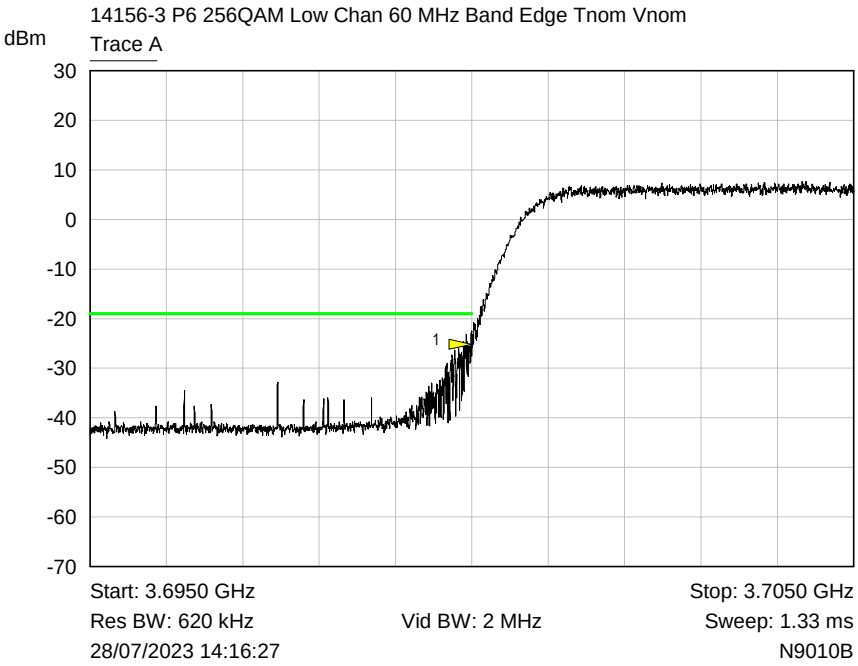
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-23.42 dBm	

+20 Degrees Min Voltage Low Chan



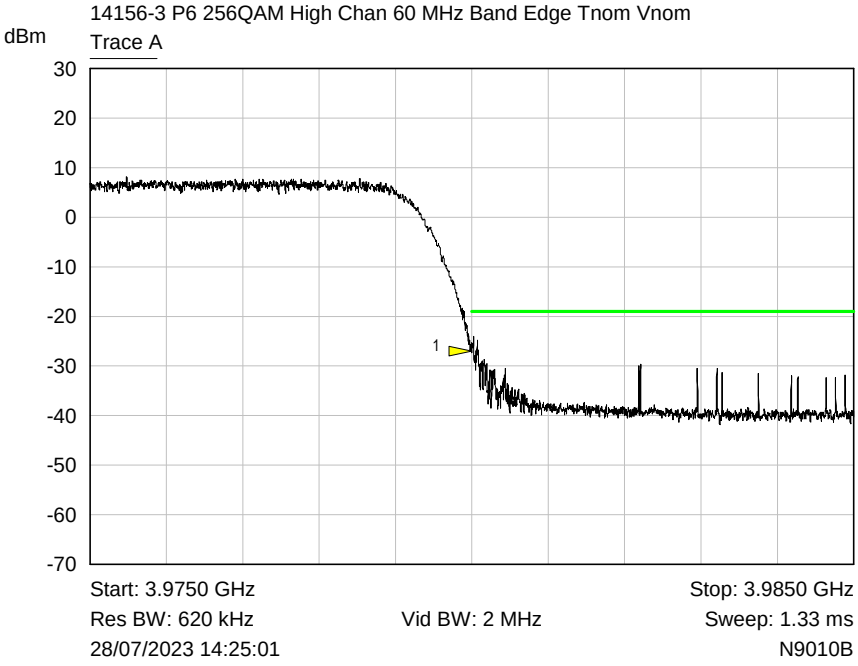
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-24.28 dBm	

+20 Degrees Min Voltage High Chan



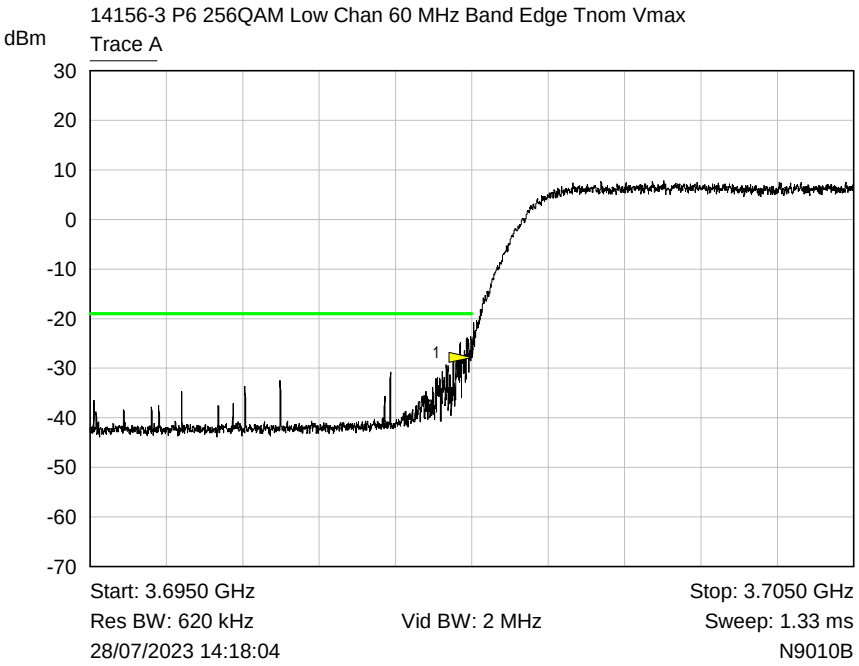
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-25.24 dBm	

+20 Degrees Nominal Voltage Low Chan



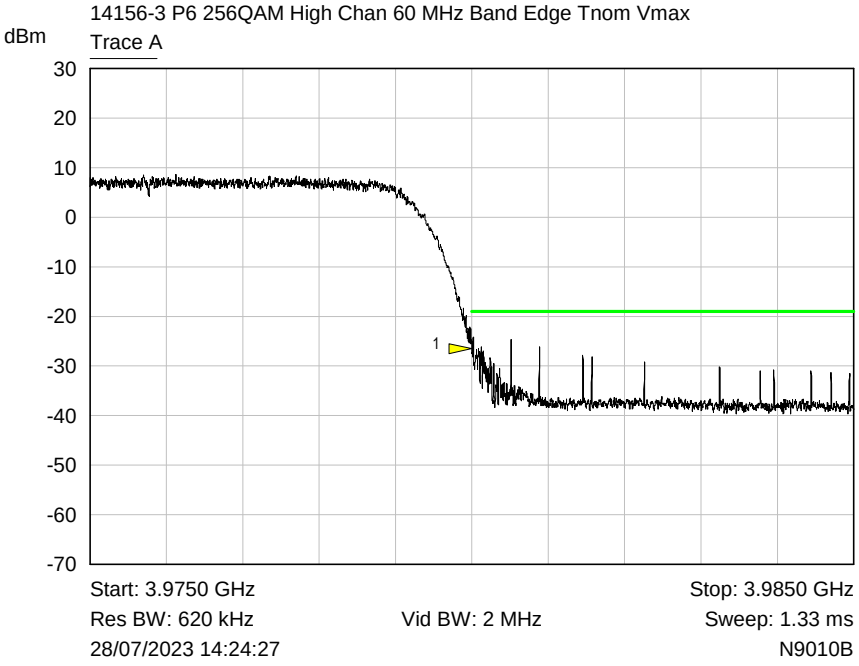
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-27.05 dBm	

+20 Degrees Nominal Voltage High Chan



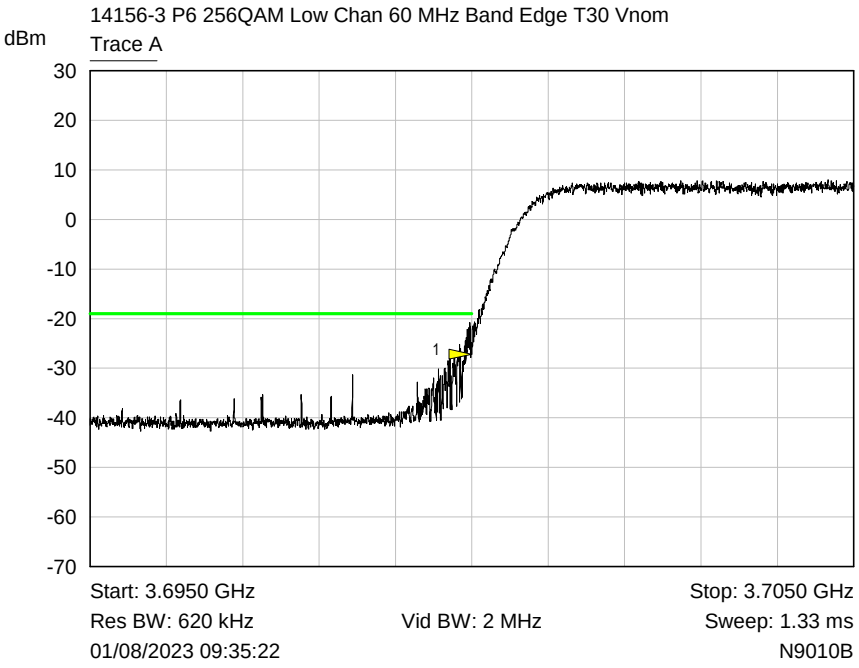
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-27.84 dBm	

+20 Degrees Max Voltage Low Chan



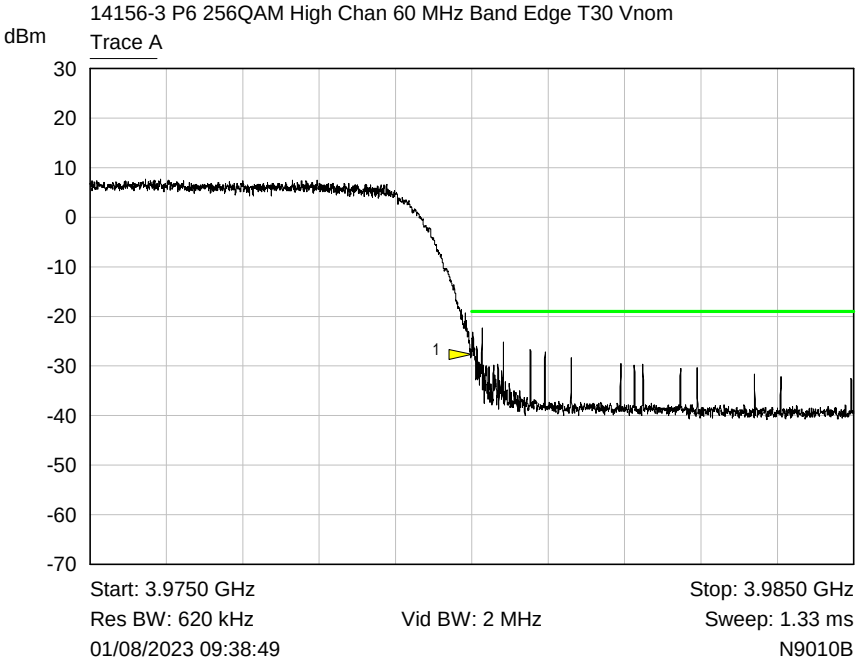
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-26.58 dBm	

+20 Degrees Max Voltage High Chan



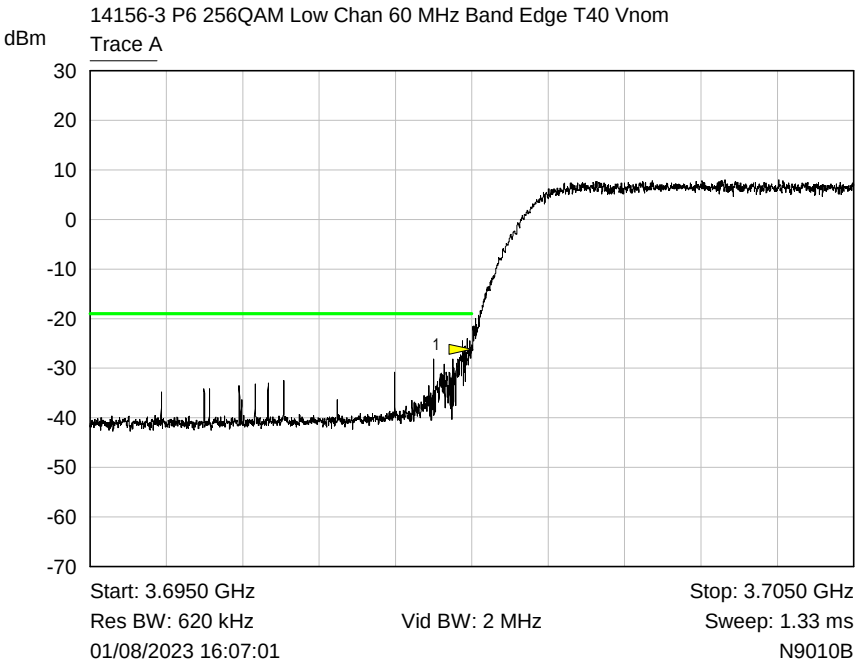
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-27.13 dBm	

+30 Degrees Low Chan



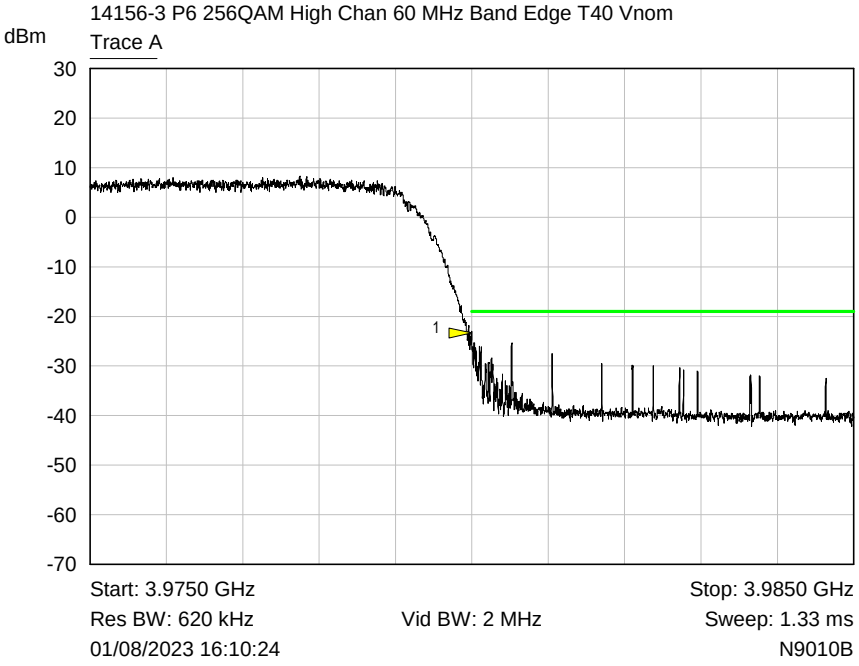
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-27.63 dBm	

+30 Degrees High Chan



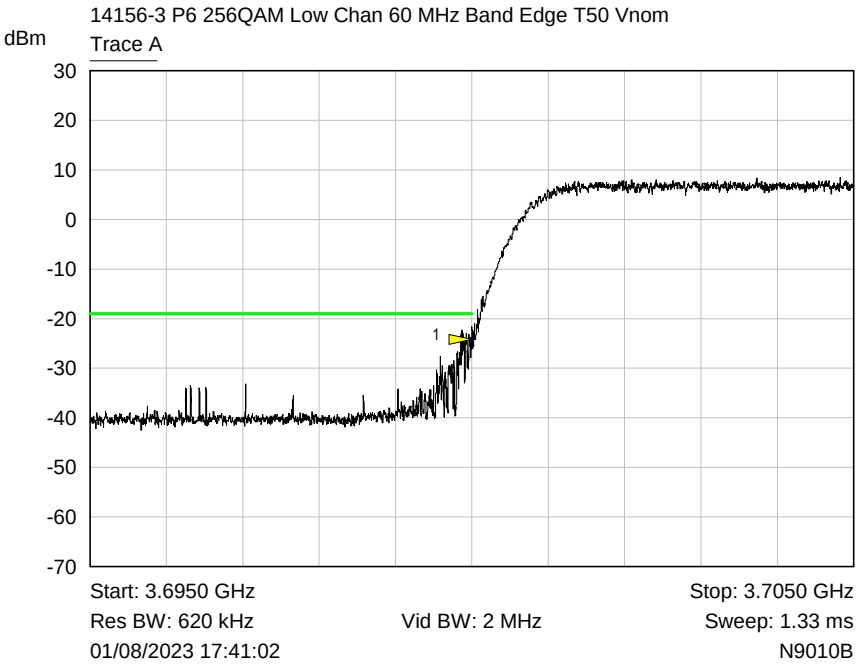
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-26.10 dBm	

+40 Degrees Low Chan



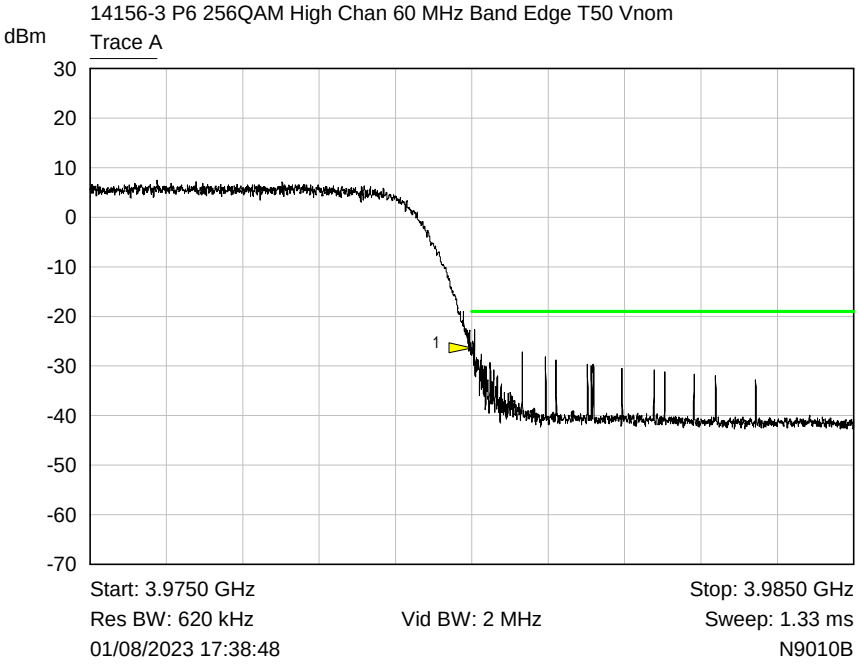
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-23.27 dBm	

+40 Degrees High Chan



Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.7000 GHz	-24.09 dBm	

+50 Degrees Low Chan

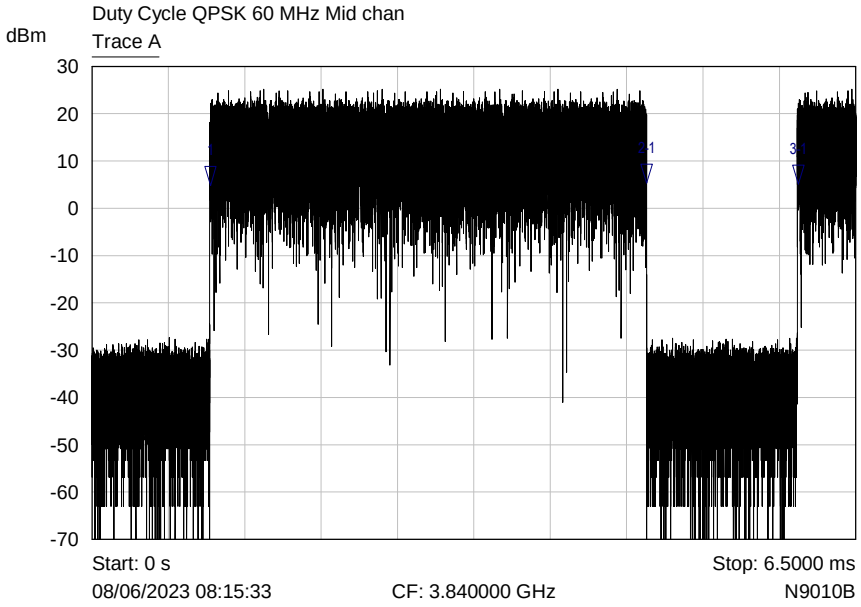


Mkr	Trace	X-Axis	Value	Notes
1	Trace A	3.9800 GHz	-26.36 dBm	

+50 Degrees High Chan

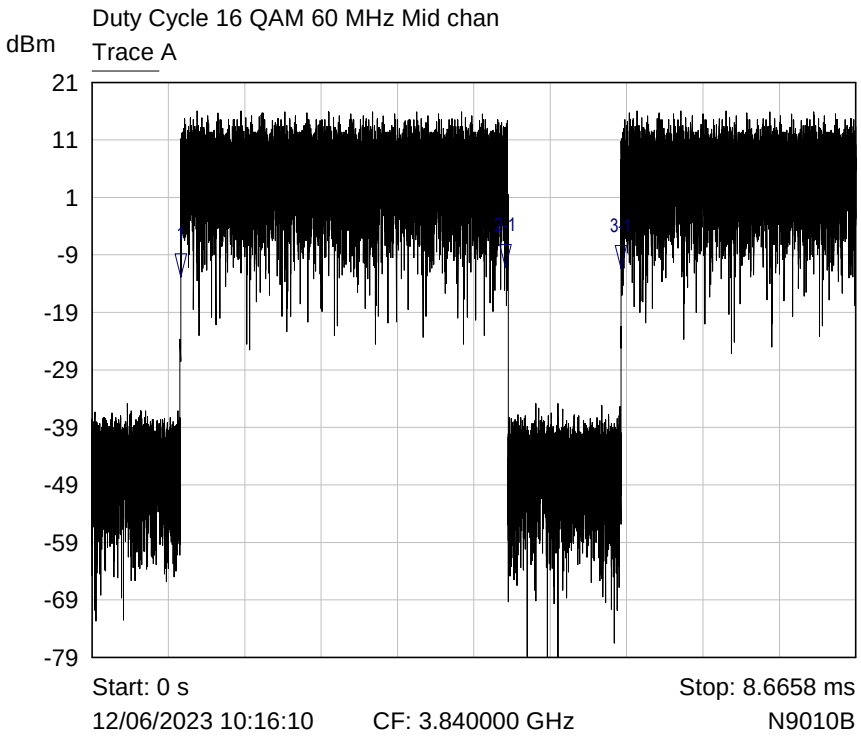
6.7 Duty Cycle

RF Parameters: Band 3700-3980 MHz, Power +33 dBm conducted (set), Channel Spacing 60 MHz, Mid Channel



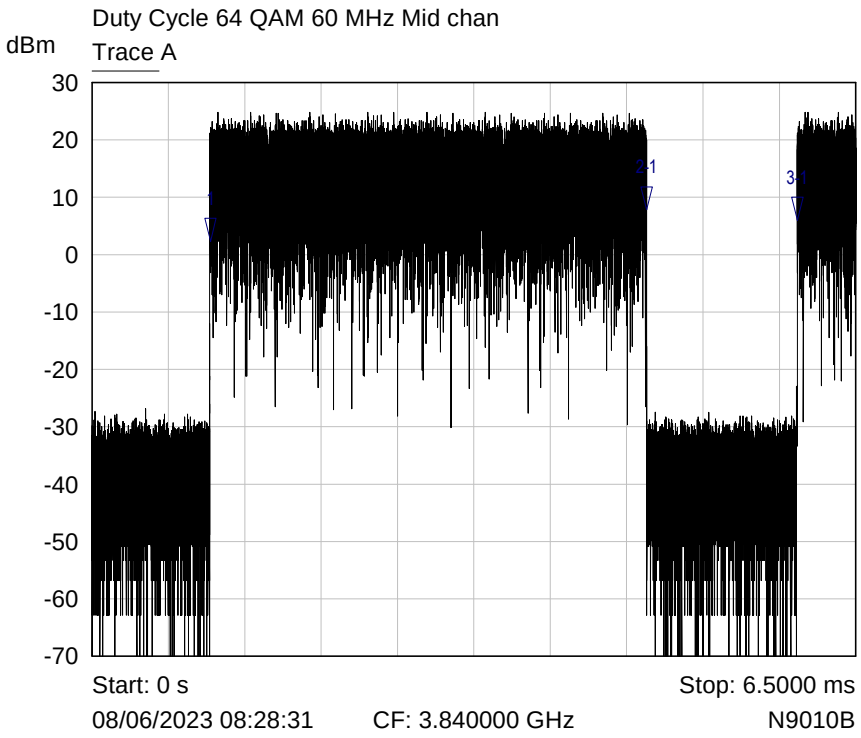
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	1.0096 ms	4.91 dBm	Duty is 74.15%
2-1	Trace A	3.7073 ms	5.40 dBm	On Time
3-1	Trace A	4.9996 ms	5.11 dBm	Cycle Time

QPSK



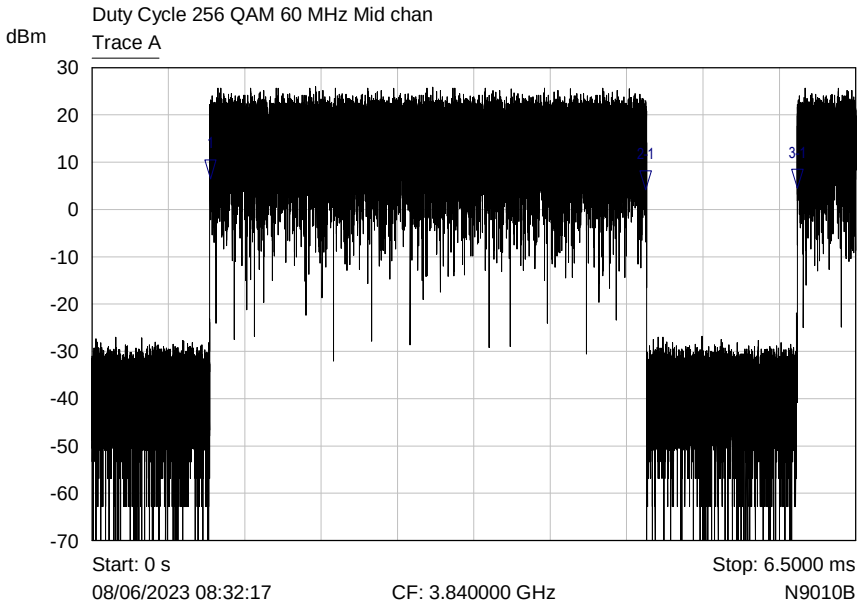
Mkr	Trace	X-Axis	Value	Notes
1	Trace A	1.0114 ms	-12.86 dBm	Duty is 76.4 %
2-1	Trace A	3.6816 ms	-11.19 dBm	On Time
3-1	Trace A	4.9937 ms	-11.35 dBm	Cycle Time

16 QAM



Mkr	Trace	X-Axis	Value	Notes
1	Trace A	1.0063 ms	2.34 dBm	Duty is 74.22%
2-1	Trace A	3.7106 ms	7.80 dBm	On Time
3-1	Trace A	4.9996 ms	5.94 dBm	Cycle Time

64 QAM



Mkr	Trace	X-Axis	Value	Notes
1	Trace A	1.0063 ms	6.53 dBm	Duty is 74.20%
2-1	Trace A	3.7099 ms	4.10 dBm	On Time
3-1	Trace A	4.9996 ms	4.52 dBm	Cycle Time

256 QAM

7 Photographs

No photos included in report due to requested confidentiality under FCC certification.

7.1 Radiated emission diagrams

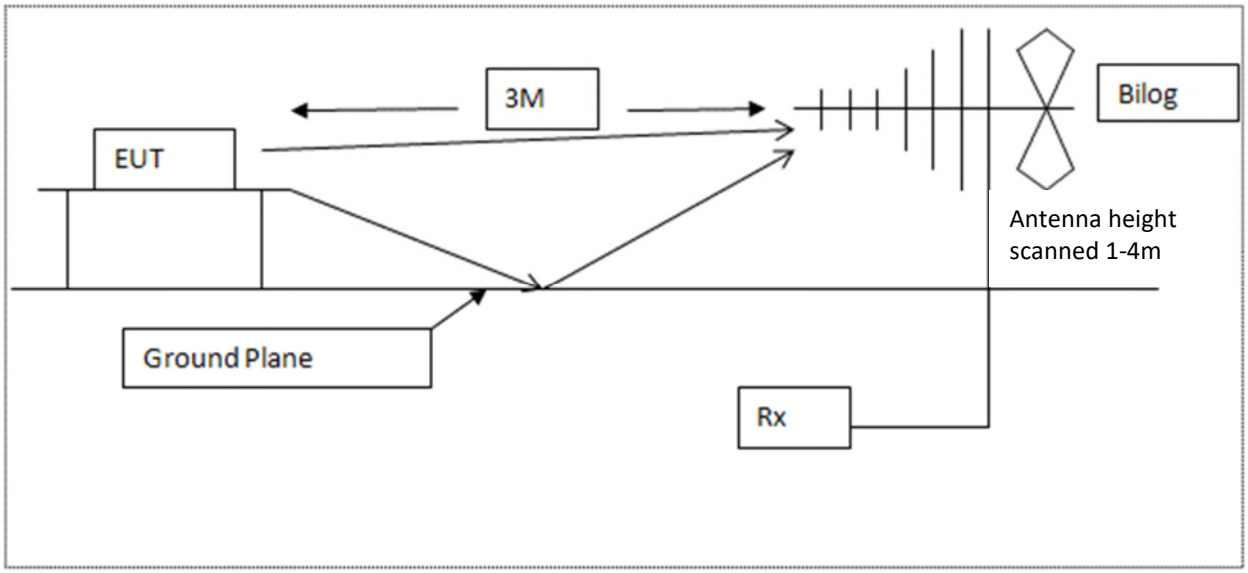


Diagram of the radiated emissions test setup 30 – 1000 MHz

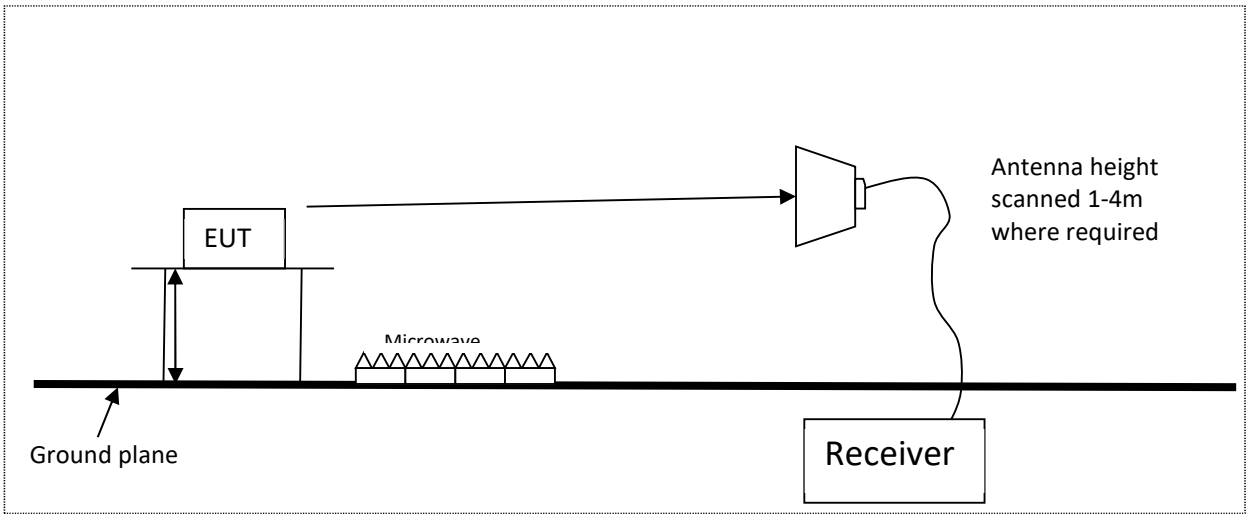


Diagram of the radiated emissions test setup above 1GHz

8 Test equipment calibration list

The following is a list of the test equipment used by R.N. Electronics Ltd to test the unit detailed within this report. In line with our procedures, the equipment was within calibration for the period during which testing was carried out.

RN No.	Model No.	Description	Manufacturer	Calibration date	Cal period
E136	3105	Horn Antenna 1 - 12.5 GHz	EMCO	02-Apr-2023	12 months
E253	6810.19.A	Attenuator 10dB 18GHz	Suhner	08-Jul-2022	12 months
E296-2	11970A	Harmonic Mixer 26.5-40GHz	Hewlett Packard	27-Jun-2022	12 months
E330	2224-20	Horn Antenna 26.5-40GHz	Flann (FMI)	17-Apr-2023	12 months
E411	N9039A	9 kHz - 1 GHz RF Filter Section	Agilent Technologies	07-Jul-2022	12 months
E412	E4440A	PSA 3 Hz - 26.5 GHz	Agilent Technologies	21-Jun-2022	24 months
E533	N5182A	Signal Generator 6 GHz MXG	Agilent Technologies	07-Dec-2022	36 months
E534	E4440A	PSA 3 Hz - 26.5 GHz	Agilent Technologies	25-Jan-2023	24 months
E615	4768-10	Attenuator 10dB 40GHz	Narda	28-Feb-2023	12 months
E624	E4440A	PSA 3 Hz - 26.5 GHz	Agilent Technologies	06-Jul-2022	24 months
E725	6610.42	Attenuator 10dB 40GHz	Suhner	29-Mar-2023	12 months
E743	2017 4/2dB	Attenuator 4/2dB 30-1000MHz	RN Electronics	15-Mar-2023	12 months
E853	C-2.4PKP-1501-500mm	Cable 2.4mm to 2.92mm 50cm Yellow	Intelliconnect	Not Applicable	
E887	BW-S6-2W263+	Attenuator SMA 6dB 26GHz	Mini-Circuits	14-Feb-2023	12 months
E899	1851	Directional Coupler .5 - 18.5GHz	Krytar	20-Apr-2022	12 months
E928	794-2891	UFL to SMA cable set	RS Components	21-May-2020	12 months
E938	BW-N10W5+	Attenuator N 10dB 18GHz	Mini-Circuits	17-Mar-2022	12 months
F077	AA18-10H	Attenuator SMA 10dB 18GHz	AtlanTecRF	03-Aug-2022	12 months
F153	08673-60083	Detector 2 - 26.5 GHz	Hewlett Packard	Not Applicable	
F249	ZFSC-2-10G-1	Power splitter 2GHz to 10GHz	Mini-Circuits	11-Aug-2022	12 months
H071	N9010B	EXA Signal Analyser 10 Hz to 44 GHz	Keysight Technologies	12-Dec-2022	24 months
L264	DT75	Digital Thermometer	Instrotech Ltd	20-Dec-2021	24 months
LPE364	CBL6112A	Antenna BiLog 30MHz - 2GHz	Chase Electronics Ltd	28-Mar-2022	24 months
S036	FMH1 420	Temperature & Humidity Test Chamber	JTS Ltd	Not Applicable	
TMS57	PM2534	Digital Multimeter	Philips	13-Apr-2022	12 months
TMS78	3160-08	Horn Std Gain 12.4 - 18 GHz	ETS Systems	30-Sep-2022	12 months
TMS79	3160-09	Horn Std Gain 18 - 26.5 GHz	ETS Systems	25-May-2022	12 months
TMS81	6502	Antenna Active Loop	EMCO	22-Jul-2021	24 months
TMS82	8449B	Pre-Amplifier 1GHz - 26.5GHz	Agilent Technologies	16-Dec-2022	12 months

#

9 Auxiliary and peripheral equipment

9 .1 Customer supplied equipment

Item No.	Model No.	Description	Manufacturer	Serial No.
1	Latitude 74900	Laptop	Dell	7N635S2
2	ZM1833	USB C to multi-port adaptor	ZmUIPnG	-
3	-	Serial to Ethernet adaptor	TRIPP-LITE	N034-35N BL
4	CPX200D	Dual 180 Watt DC Power Supply	Aim-TTI	558035
5		4off 20dB attenuators	Mini circuits	-
6		4off 30dB Attenuators	Mini circuits	-

9 .2 RN Electronics supplied equipment

RN No.	Model No.	Description	Manufacturer	Serial No
N532	-	GPS Repeater	-	-
		DC PSU		

10 Condition of the equipment tested

In order for the EUT to produce the results shown within this report the following modifications, if any, were implemented.

10.1 Modifications before test

No modifications were made before test by RN Electronics Ltd.

10.2 Modifications during test

No modifications were made during test by RN Electronics Ltd.

11 Description of test sites

Site A Radio Laboratory and Anechoic Chamber

Site B Semi-Anechoic Chamber and Control Room
FCC Registration No. 293246, ISED Registration No. 5612A-4

Site C Transient Laboratory

Site D Screened Room (Conducted Immunity)

Site E Screened Room (Control Room for Site D)

Site F Screened Room (Conducted Emissions)

Site G Screened Room (Control Room for Site H)

Site H 3m Semi-Anechoic Chamber (indoor OATS)
FCC Registration No. 293246, ISED Registration No. 5612A-2, VCCI Registration No. 4065

Site J Transient Laboratory

Site K Screened Room (Control Room for Site M)

Site M 3m Semi-Anechoic Chamber (indoor OATS)
FCC Registration No. 293246, ISED Registration No. 5612A-3

Site N Radio Laboratory

Site Q Fully-Anechoic Chamber

Site OATS 3m and 10m Open Area Test Site
FCC Registration No. 293246, ISED Registration No. 5612A-1

Site R Screened Room (Conducted Immunity)

Site S Safety Laboratory

Site T Transient Laboratory

RN Electronics CAB identifier as issued by Innovation, Science and Economic Development Canada is UK0002
RN Electronics CAB identifier as issued by FCC is UK2015

12 Abbreviations and units

%	Percent
λ	Wavelength
µA/m	microAmps per metre
µV	microVolts
µW	microWatts
AC	Alternating Current
ACK	ACKnowledgement
ACP	Adjacent Channel Power
AFA	Adaptive Frequency Agility
ALSE	Absorber Lined Screened Enclosure
AM	Amplitude Modulation
Amb	Ambient
ANSI	American National Standards Institute
ATPC	Automatic Transmit Power Control
AVG	Average
AWGN	Additive White Gaussian Noise
BER	Bit Error Rate
BPSK	Binary Phase Shift Keying
BT	BlueTooth
BLE	BlueTooth Low Energy
BW	Bandwidth
ºC	Degrees Celsius
C/I	Carrier / Interferer
CAC	Channel Availability Check
CCA	Clear Channel Assessment
CEPT	European Conference of Postal and Telecommunications Administrations
CFR	Code of Federal Regulations
CISPR	Comité International Spécial des Perturbations Radioélectriques
cm	centimetre
COFDM	Coherent OFDM
COT	Channel Occupancy Time
CS	Channel Spacing
CW	Continuous Wave
DAA	Detect And Avoid
dB	deciBels
dBµA/m	deciBels relative to 1µA/m
dBµV	deciBels relative to 1µV
dBµV/m	deciBels relative to 1µV/m
dBc	deciBels relative to Carrier
dBd	deciBels relative to dipole gain
dBi	deciBels relative to isotropic gain
dBm	deciBels relative to 1mW
dBr	deciBels relative to a maximum value
dBW	deciBels relative to 1W
DC	Direct Current
DFS	Dynamic Frequency Selection
DMO	Dynamic Modulation Order
DSSS	Direct Sequence Spread Spectrum
DTA	Digital Transmission Analyser
EIRP	Equivalent Isotropic Radiated Power
emf	electromotive force
ERC	European Radiocommunications Committee
ERP	Effective Radiated Power
ETSI	European Telecommunications Standards Institute
EU	European Union
EUT	Equipment Under Test
FCC	Federal Communications Commission
FER	Frame Error Rate
FHSS	Frequency Hopping Spread Spectrum
FM	Frequency Modulation
FSK	Frequency Shift Keying
FSS	Fixed Satellite Service
g	Grams
GHz	GigaHertz
GNSS	Global Navigation Satellite System
GPS	Global Positioning System
Hz	Hertz
IEEE	Institute of Electrical and Electronics Engineers
IF	Intermediate Frequency
ISED	Innovation Science and Economic Development
ITU	International Telecommunications Union
KDB	Knowledge DataBase

kg	kilogram
kHz	kiloHertz
kPa	Kilopascal
LBT	Listen Before Talk
LISN	Line Impedance Stabilisation Network
LNA	Low Noise Amplifier
LNB	Low Noise Block
LO	Local Oscillator
m	metre
mA	milliAmps
max	maximum
Mbit/s	MegaBits per second
MCS	Modulation and Coding Scheme
MHz	MegaHertz
mic	Microphone
MIMO	Multiple Input, Multiple Output
min	minimum
mm	millimetres
ms	milliseconds
mW	milliWatts
NA	Not Applicable
NFC	Near Field Communications
nom	Nominal
nW	nanoWatt
OATS	Open Area Test Site
OBW	Occupied Band Width
OCW	Occupied Channel Width
OFDM	Orthogonal Frequency Division Multiplexing
OOB	Out Of Band
ppm	Parts per million
PER	Packet Error Rate
PK	Peak
PMR	Private Mobile Radio
PRBS	Pseudo Random Bit Sequence
PRF	Pulse Repitition Frequency
PSD	Power Spectral Density
PSU	Power Supply Unit
pW	picoWatts
QAM	Quadrature Amplitude Modulation
QP	Quasi Peak
QPSK	Quadrature Phase Shift Keying
RBW	Resoution Band Width
RED	Radio Equipment Directive
R&TTE	Radio and Telecommunication Terminal Equipment
Ref	Reference
RF	Radio Frequency
RFC	Remote Frequency Control
RFID	Radio Frequency IDentification
RLAN	Radio Local Area Network
RMS	Root Mean Square
RNSS	Radio Navigation Satellite Service
RSL	Received Signal Level
RSSI	Received Signal Strength Indicator
RTP	Room Temperature and Pressure
RTPC	Remote Transmit Power Control
Rx	Receiver
s	Seconds
SINAD	Signal to Noise And Distortion
SRD	Short Range Device
Tx	Transmitter
UKAS	United Kingdom Accreditation Service
UKCA	United Kingdom Conformity Assessed
UKRER	United Kingdom Radio Equipment Regulations
UHF	Ultra High Frequency
U-NII	Unlicensed National Information Infrastructure
USB	Universal Serial Bus
UWB	Ultra Wide Band
V	Volts
V/m	Volts per metre
VBW	Video Band Width
VHF	Very High Frequency
VSAT	Very Small Aperture Terminal
W	Watts

====== END OF TEST REPORT ======