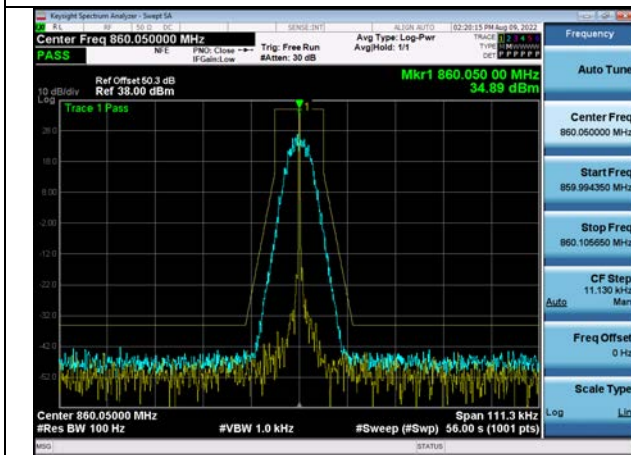
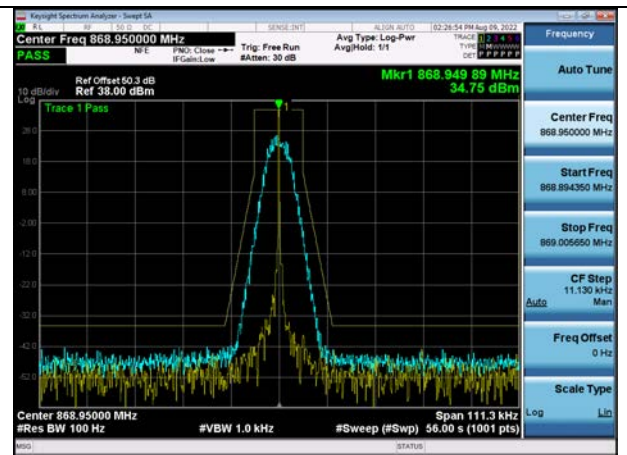


860.05MHz

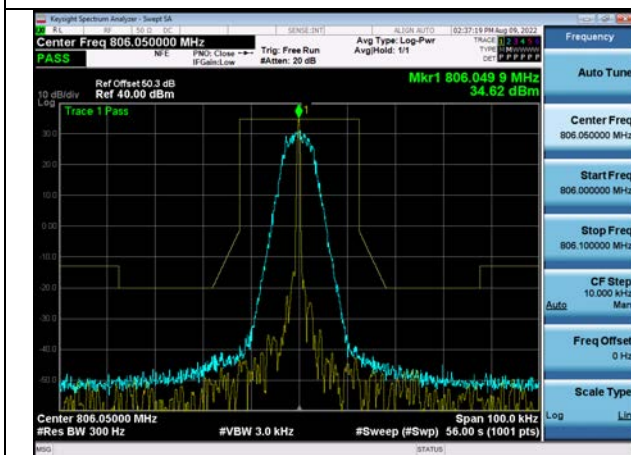


868.95MHz

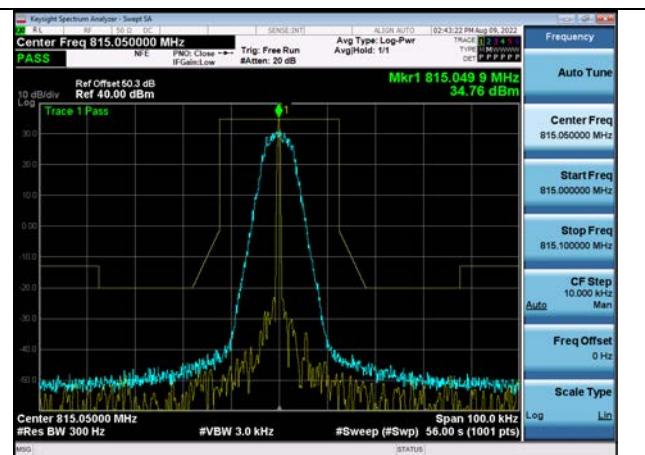


Emission Mask EA

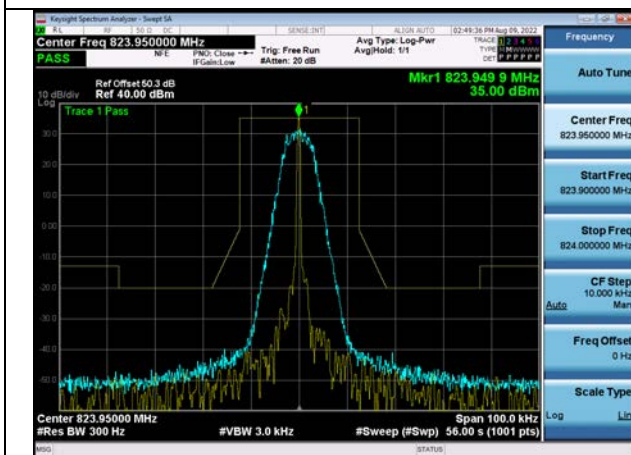
806.05MHz



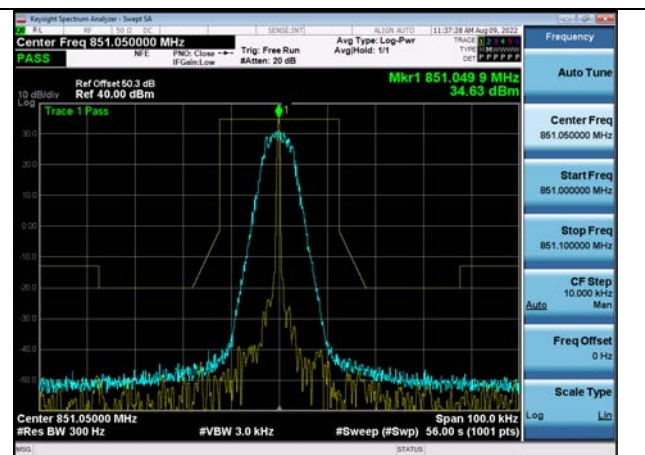
815.05MHz



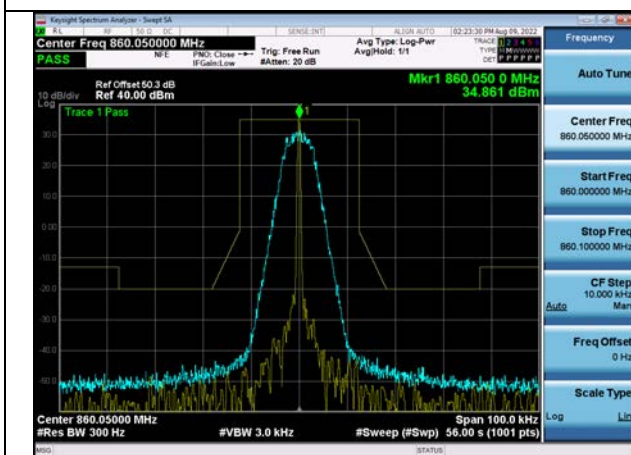
823.95MHz



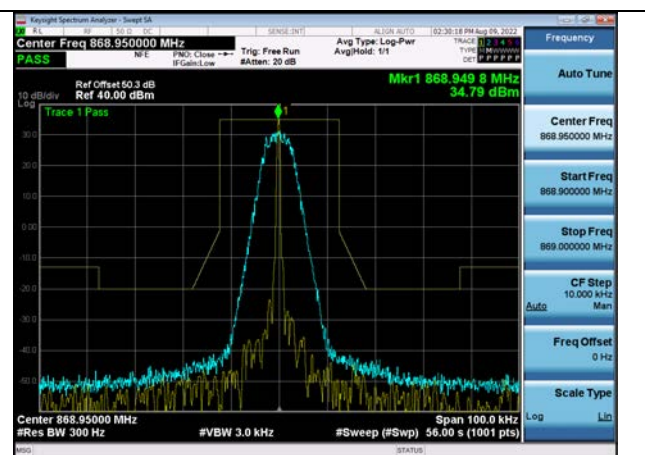
851.05MHz



860.05MHz



868.95MHz

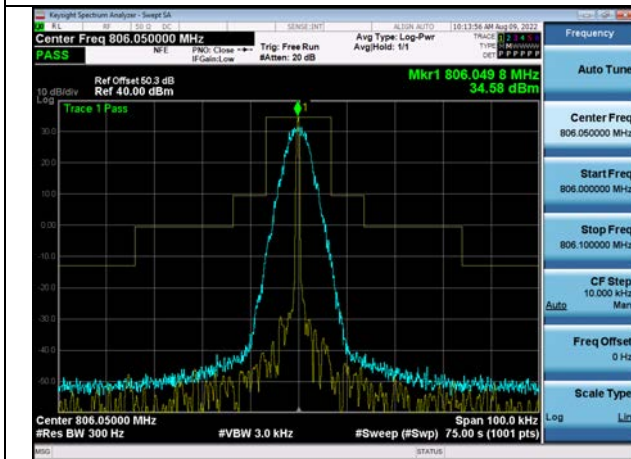


7K60FXD, 7K60FXE, 7K60F1E, 7K60F1D, 7K60F1W, 7K60FXW

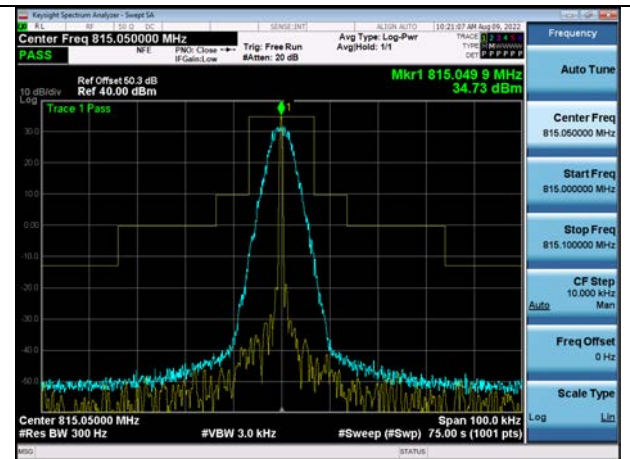
High Power

Emission Mask B

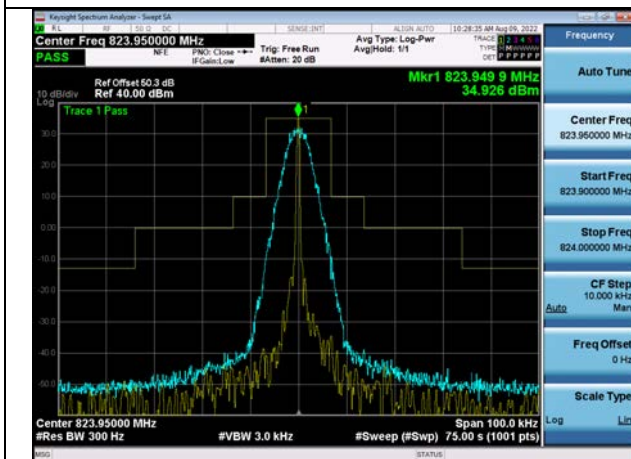
806.05MHz



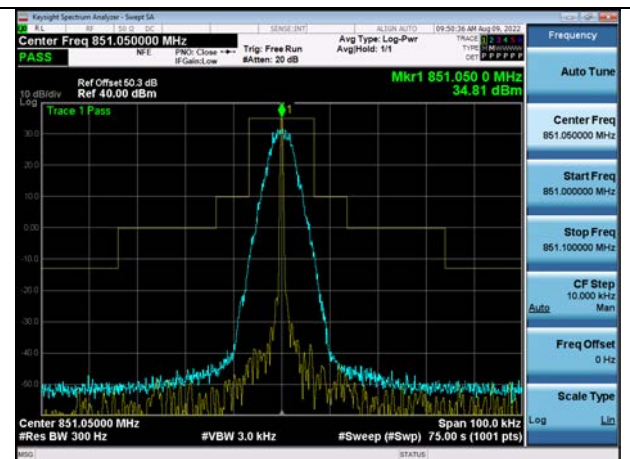
815.05MHz



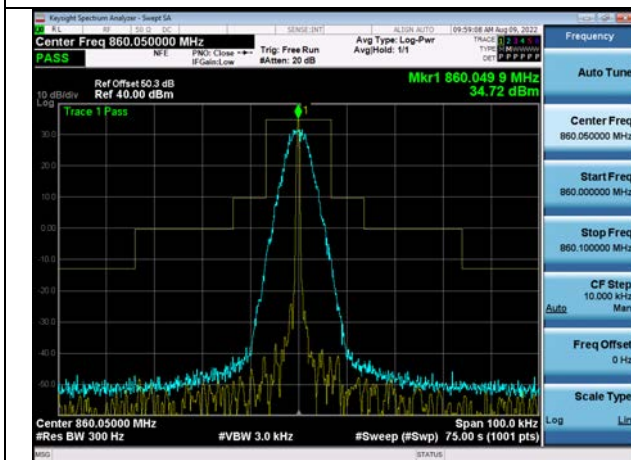
823.95MHz



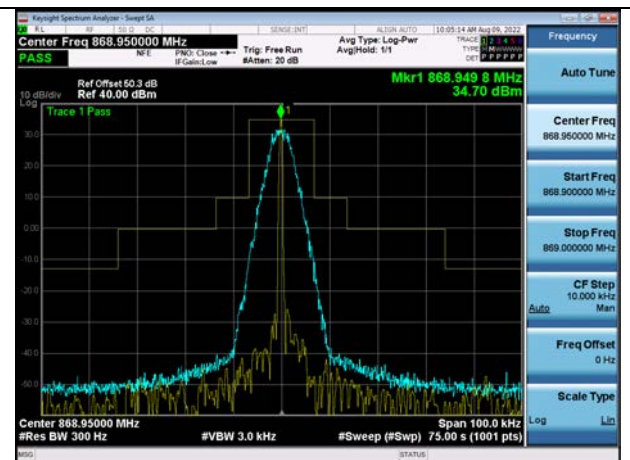
851.05MHz



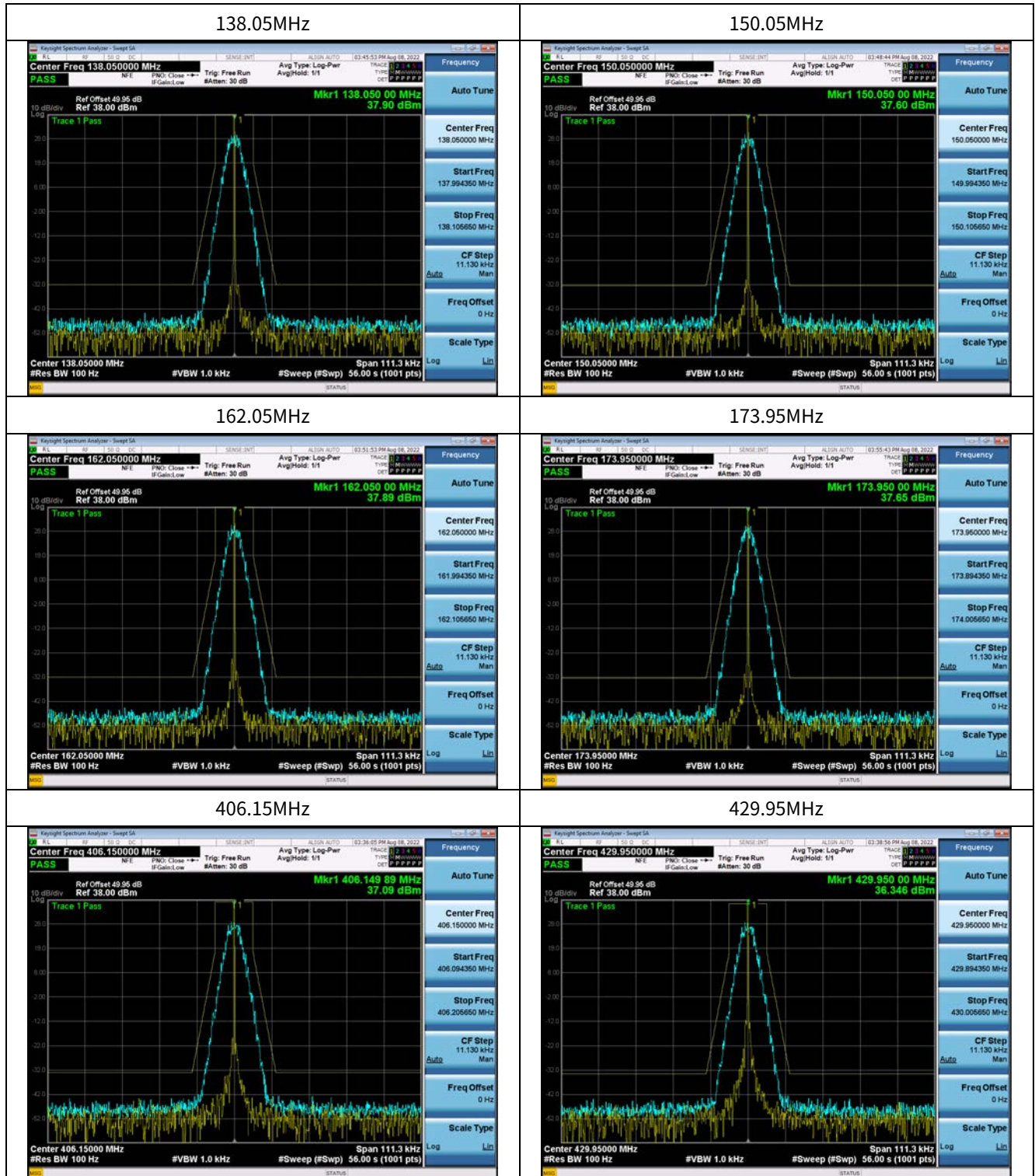
860.05MHz



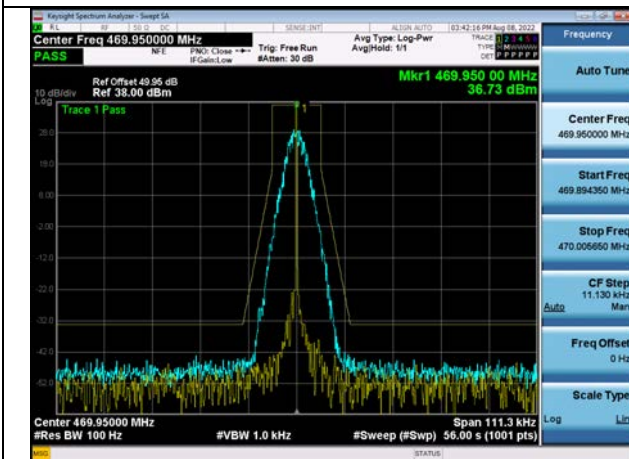
868.95MHz



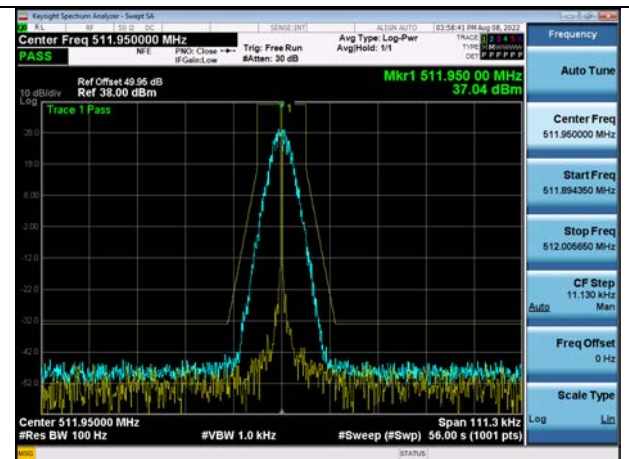
Emission Mask D



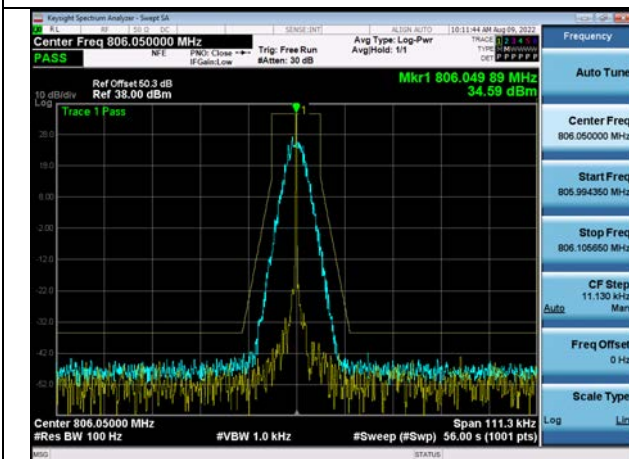
469.95MHz



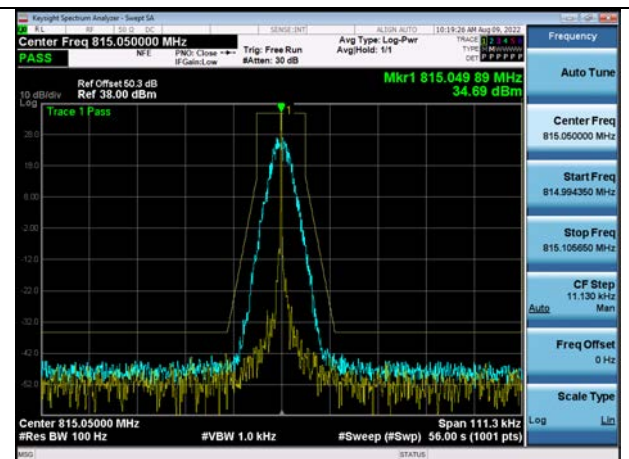
511.95MHz



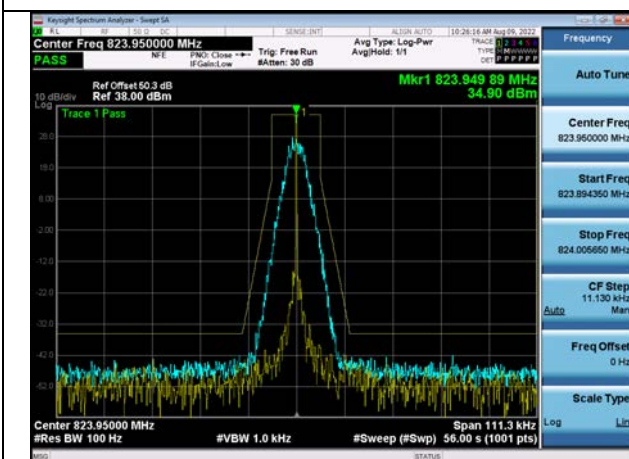
806.05MHz



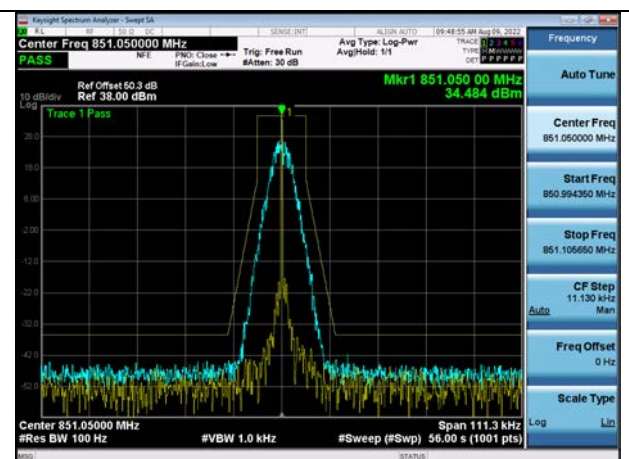
815.05MHz



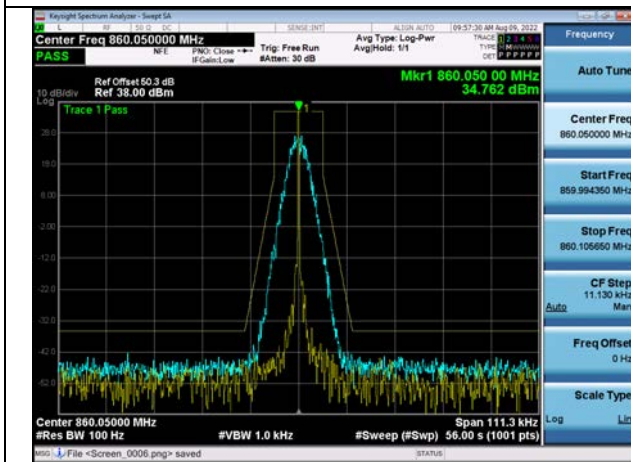
823.95MHz



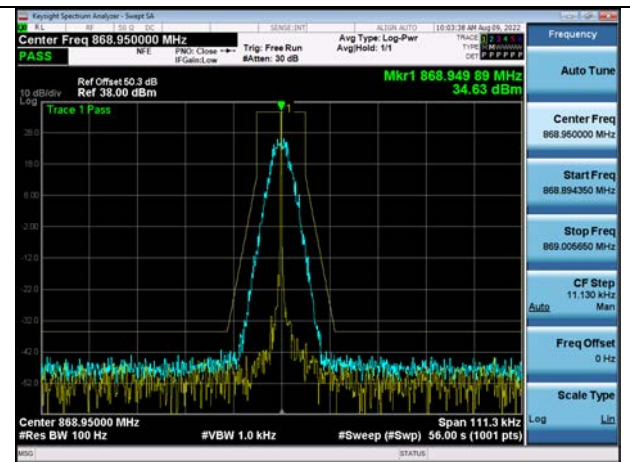
851.05MHz



860.05MHz

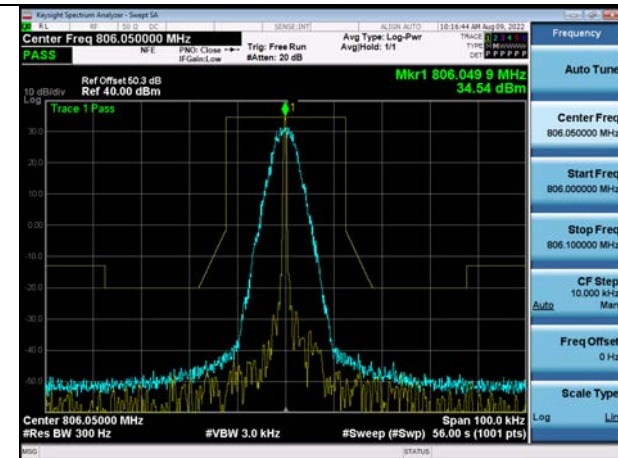


868.95MHz

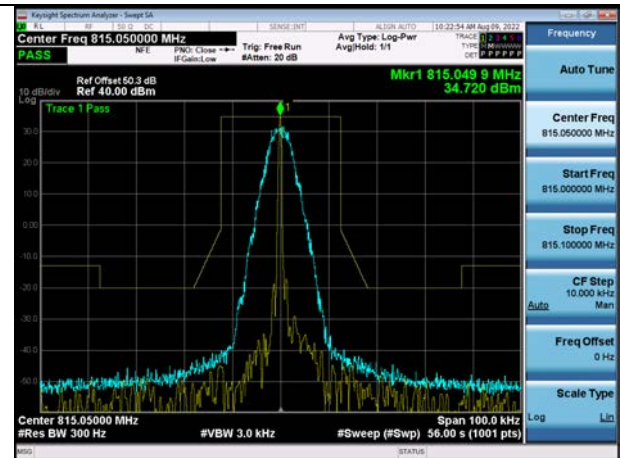


Emission Mask EA

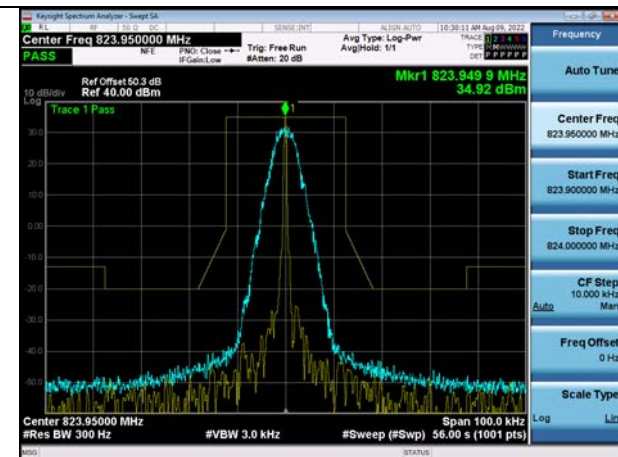
806.05MHz



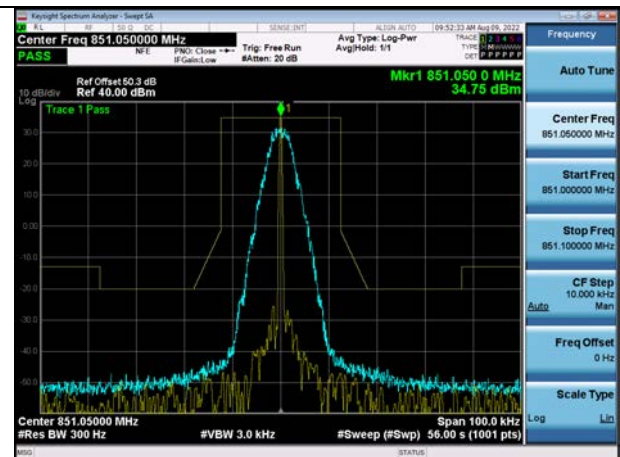
815.05MHz



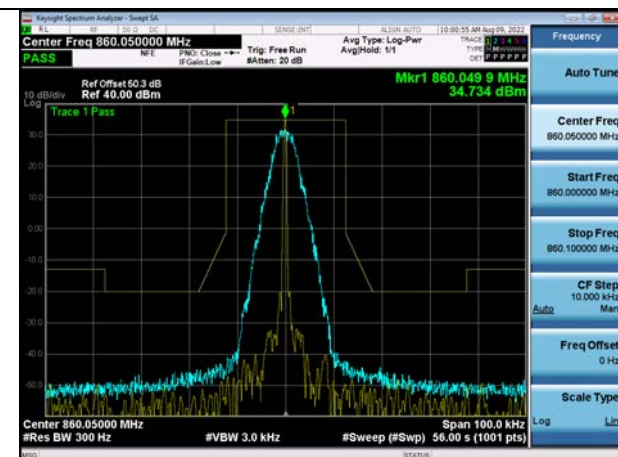
823.95MHz



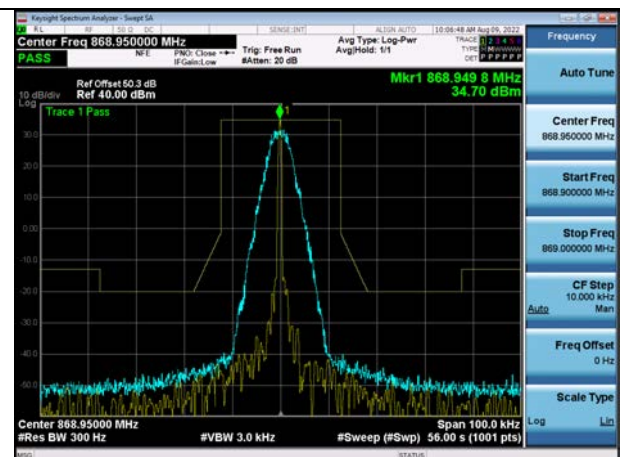
851.05MHz



860.05MHz



868.95MHz

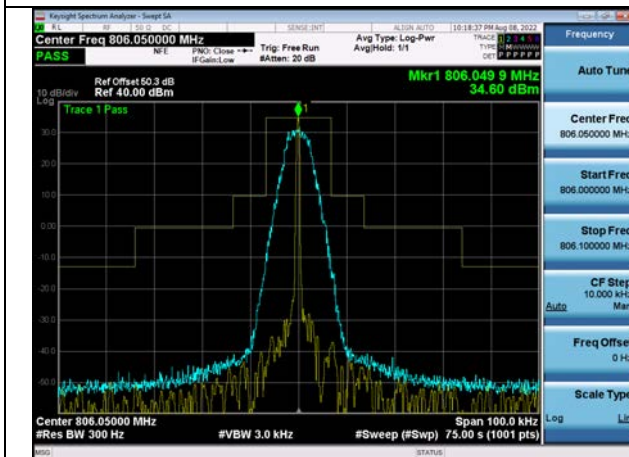


8K30F1E, 8K30F1D, 8K30F7W

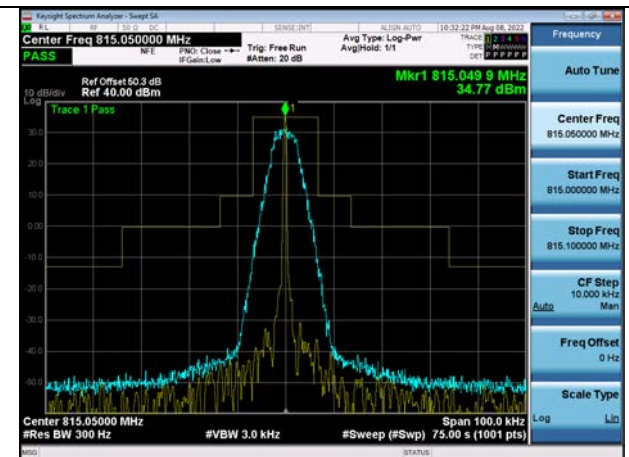
High Power

Emission Mask B

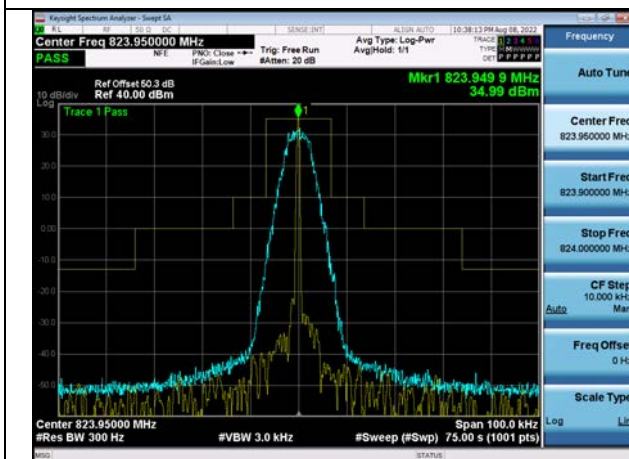
806.05MHz



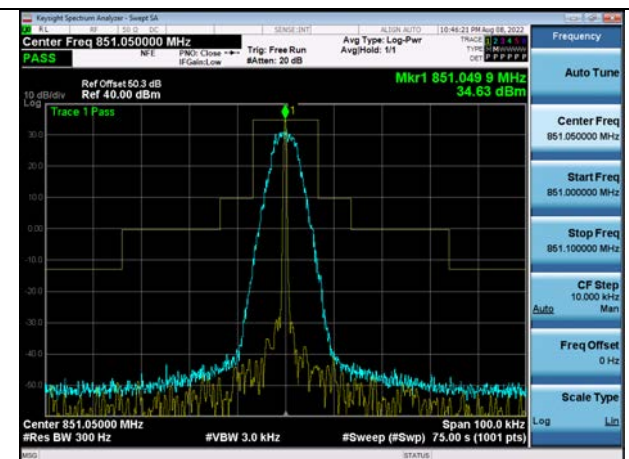
815.05MHz



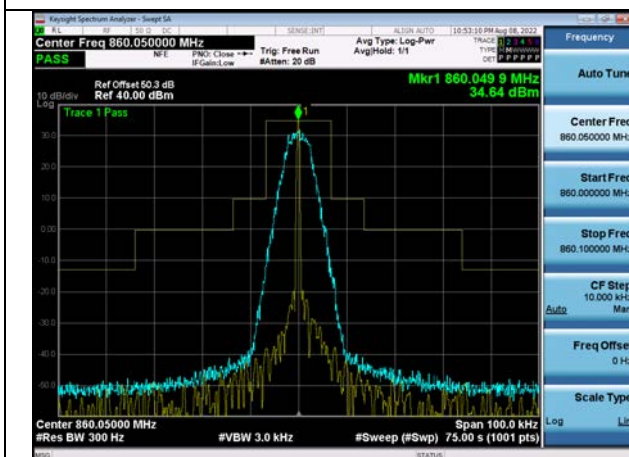
823.95MHz



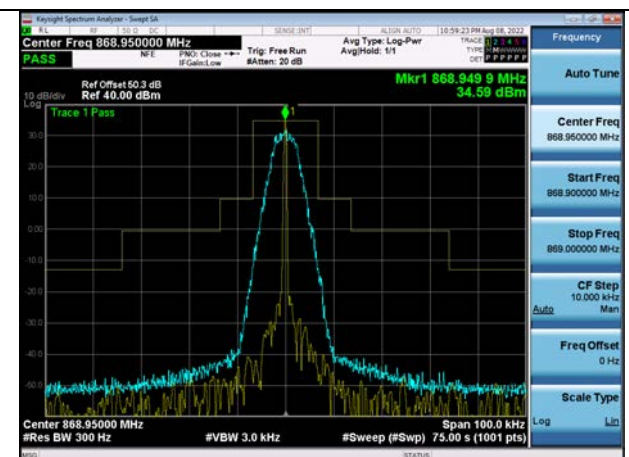
851.05MHz



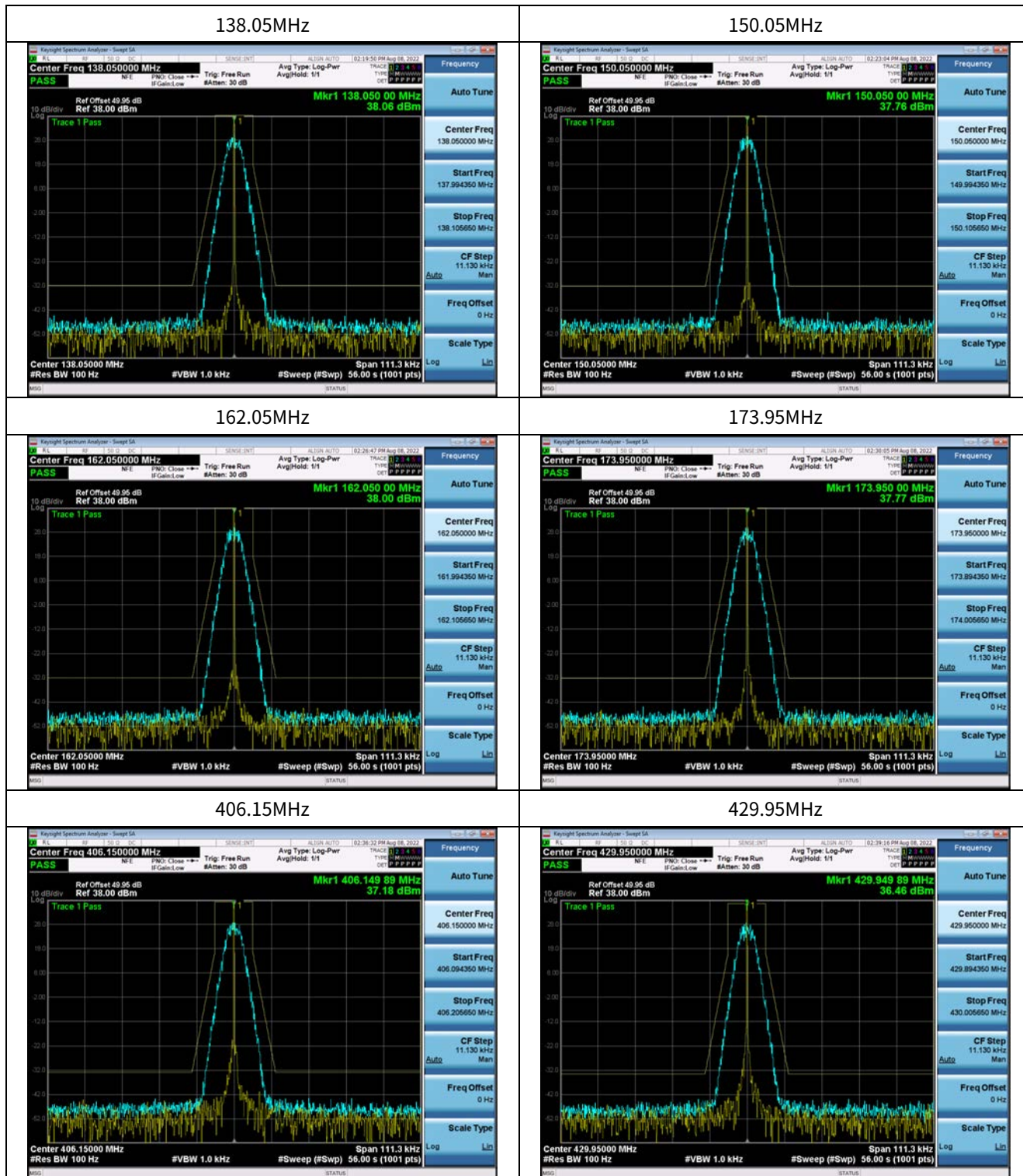
860.05MHz



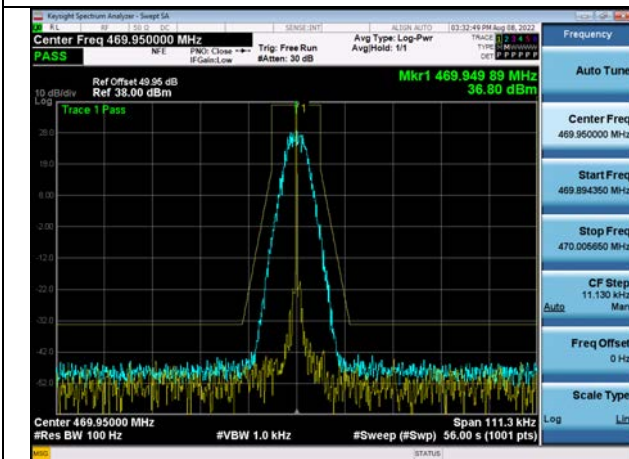
868.95MHz



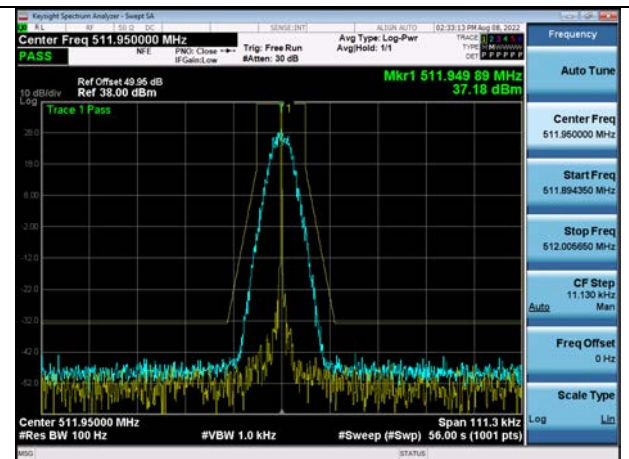
Emission Mask D



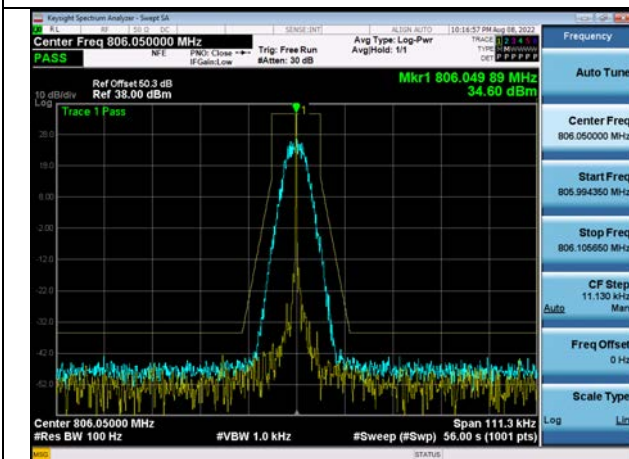
469.95MHz



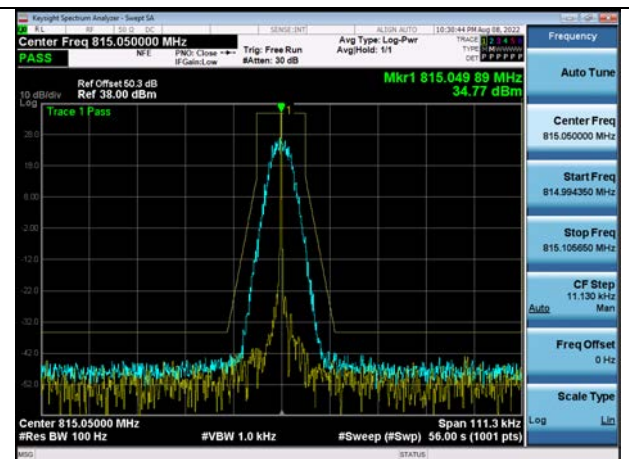
511.95MHz



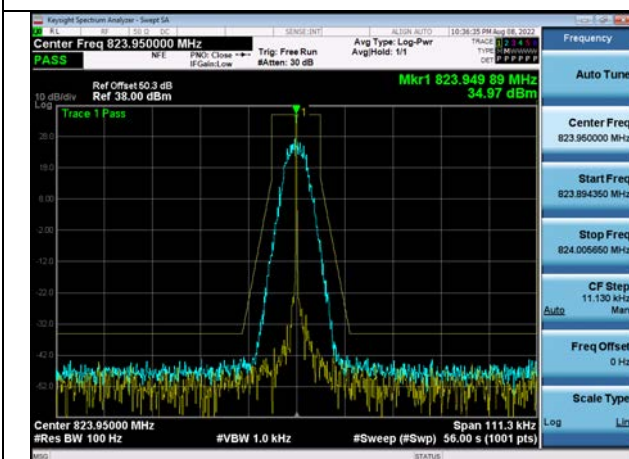
806.05MHz



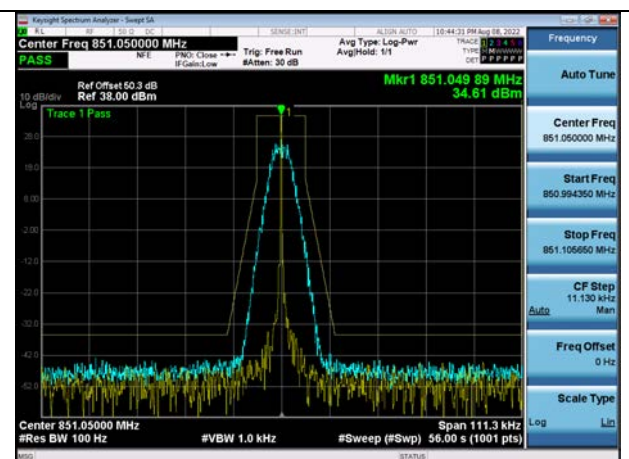
815.05MHz



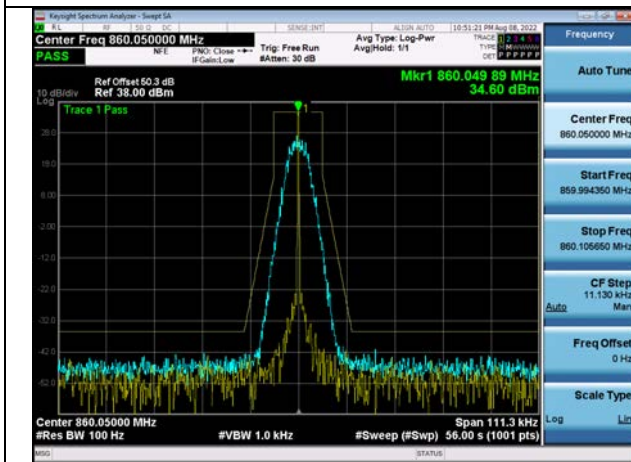
823.95MHz



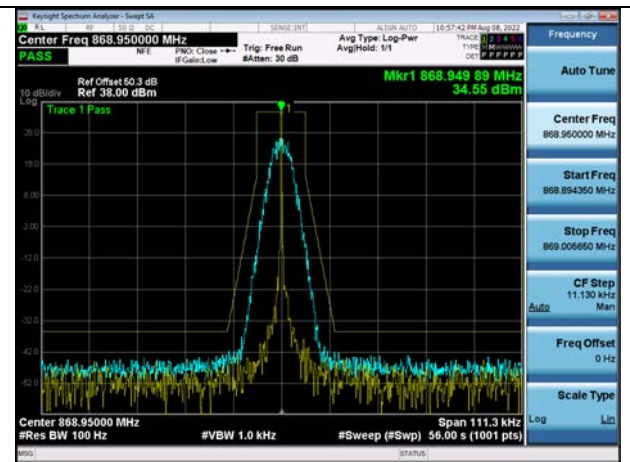
851.05MHz



860.05MHz

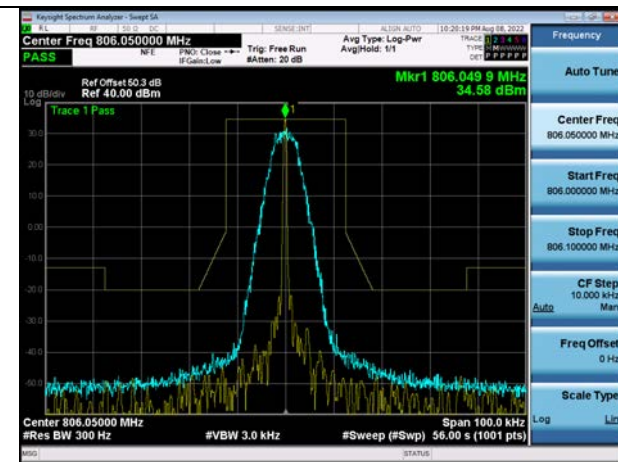


868.95MHz

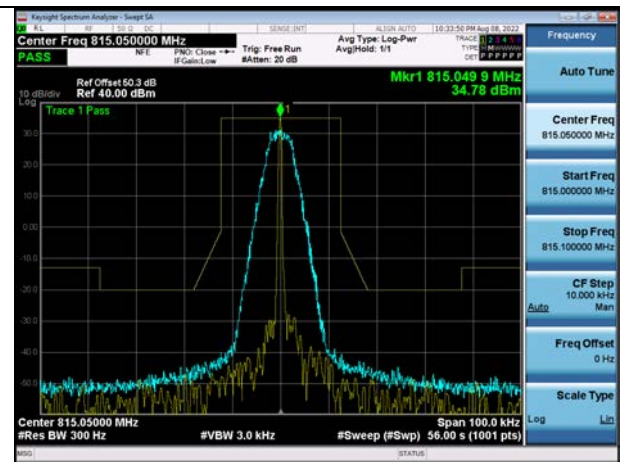


Emission Mask EA

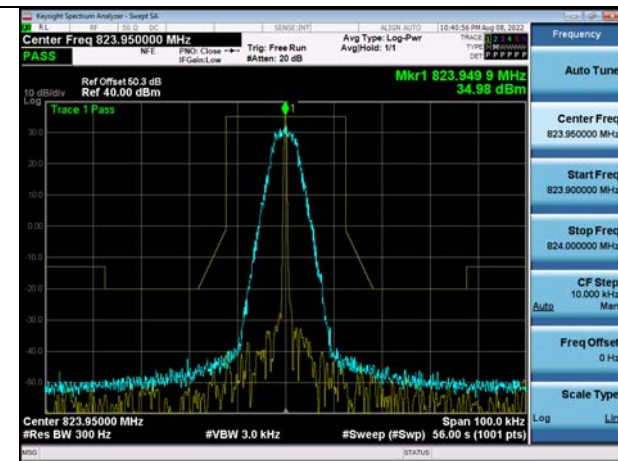
806.05MHz



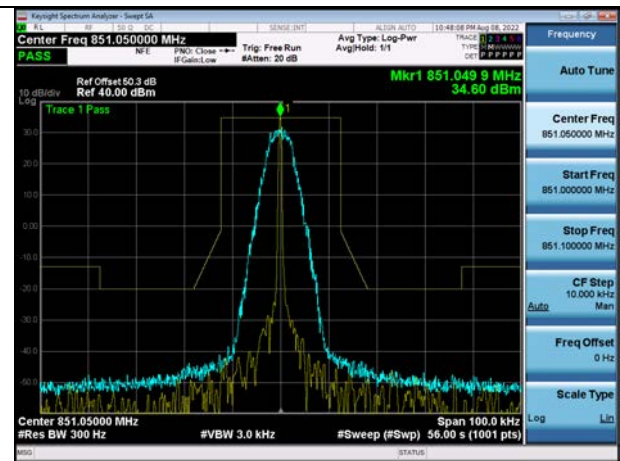
815.05MHz



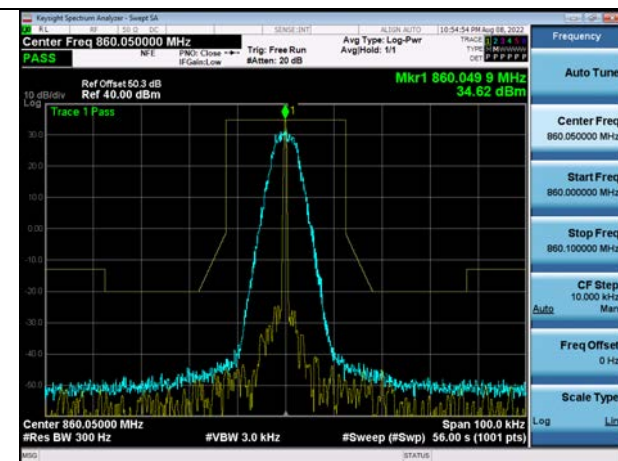
823.95MHz



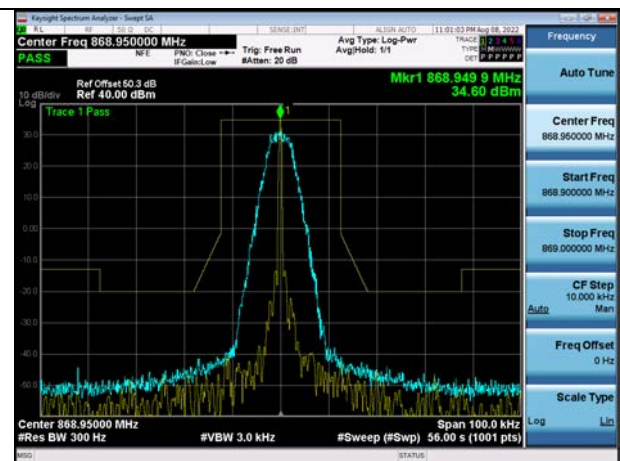
851.05MHz



860.05MHz



868.95MHz

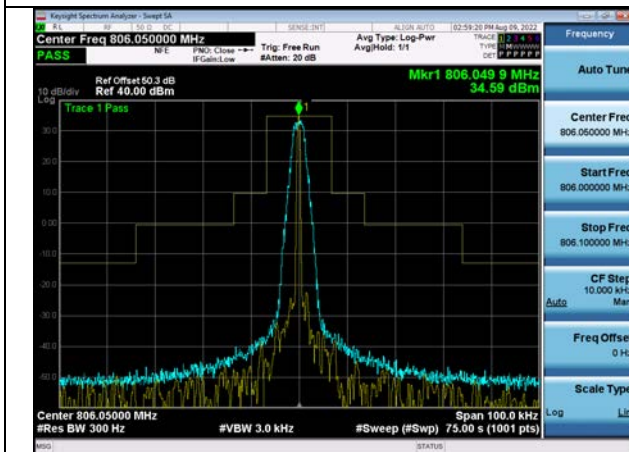


4K00F1E, 4K00F1D, 4K00F7W

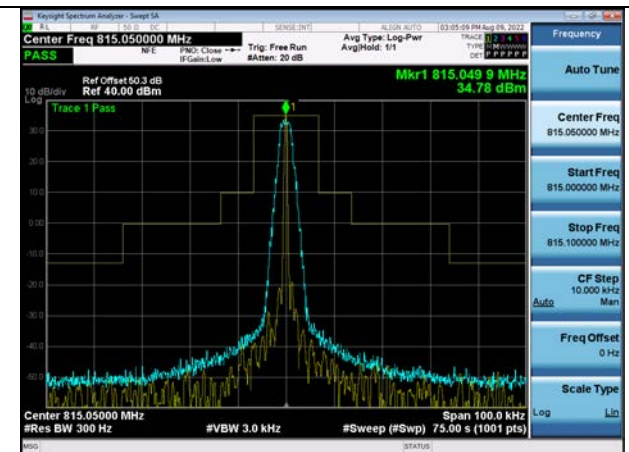
High Power

Emission Mask B

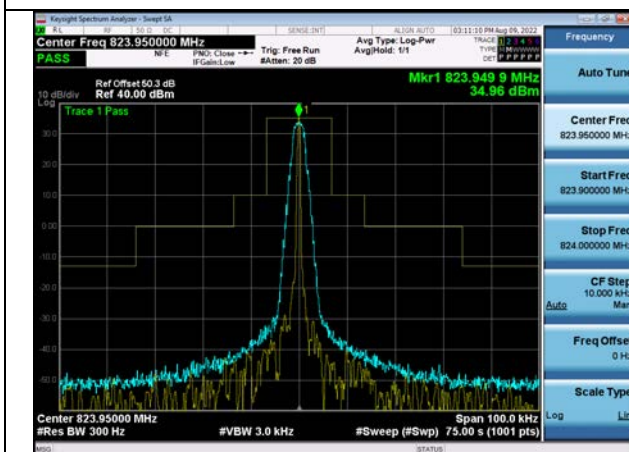
806.05MHz



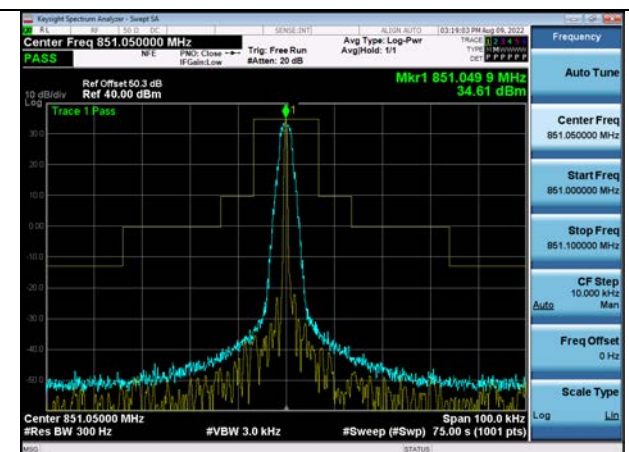
815.05MHz



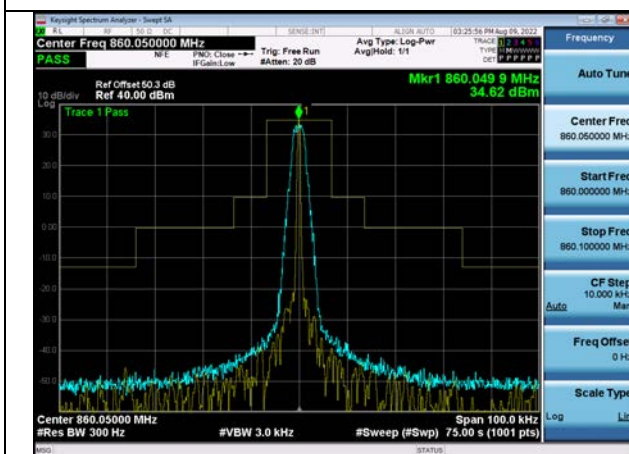
823.95MHz



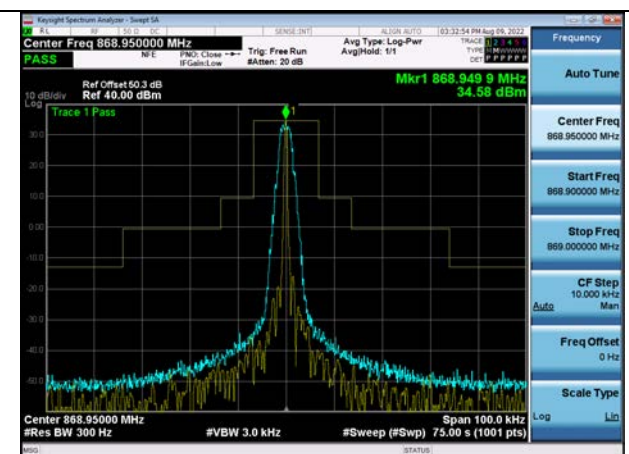
851.05MHz



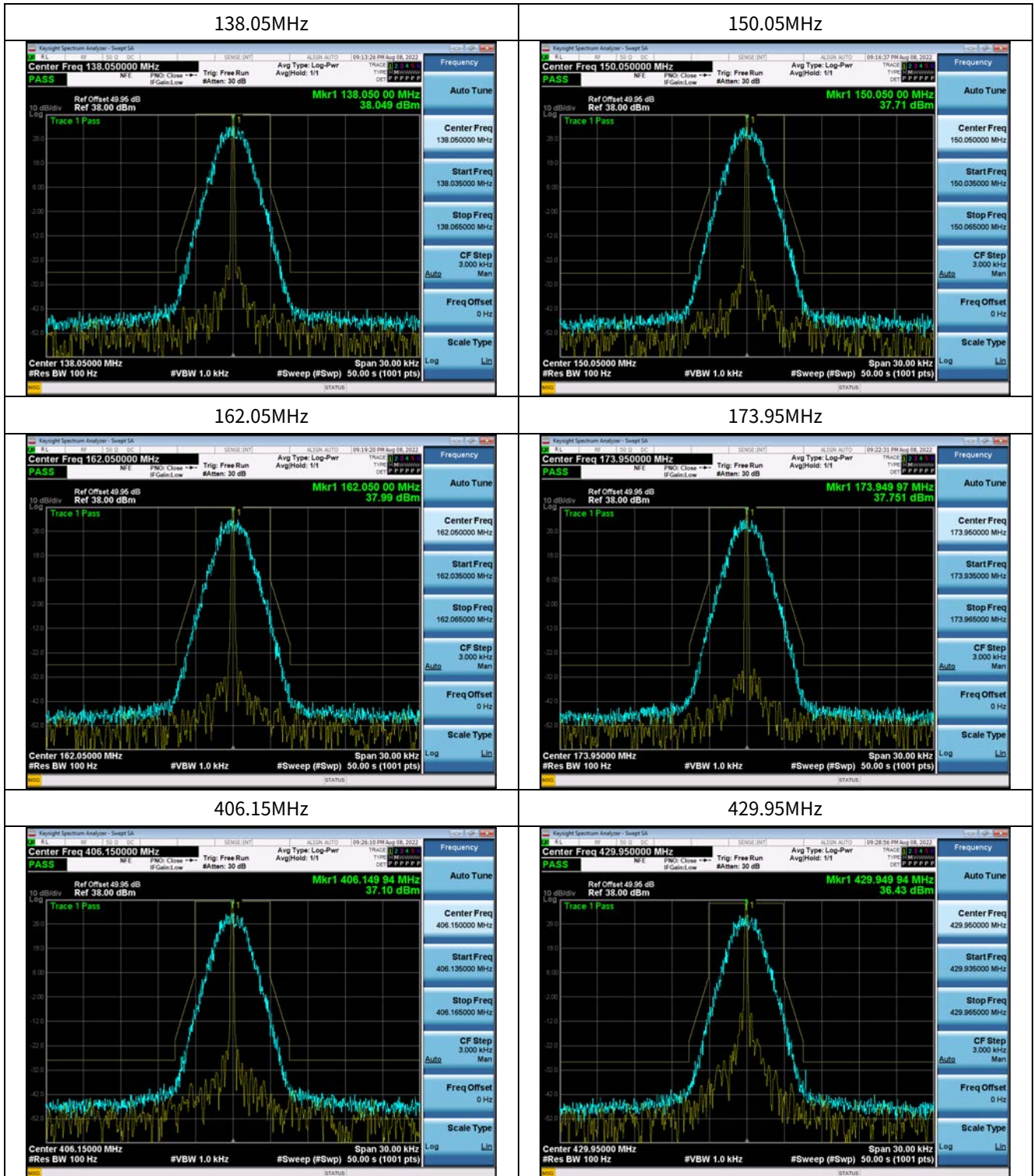
860.05MHz



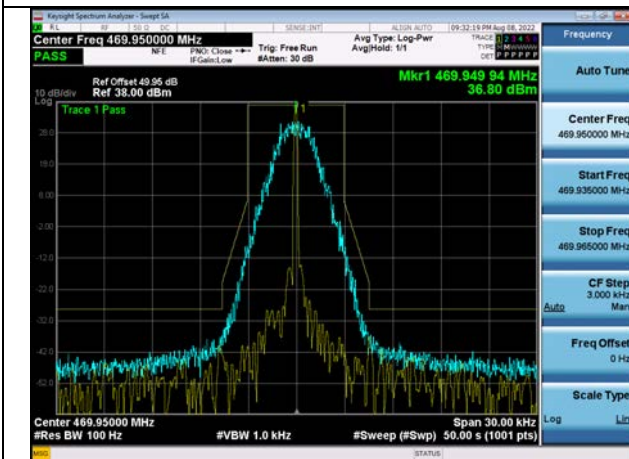
868.95MHz



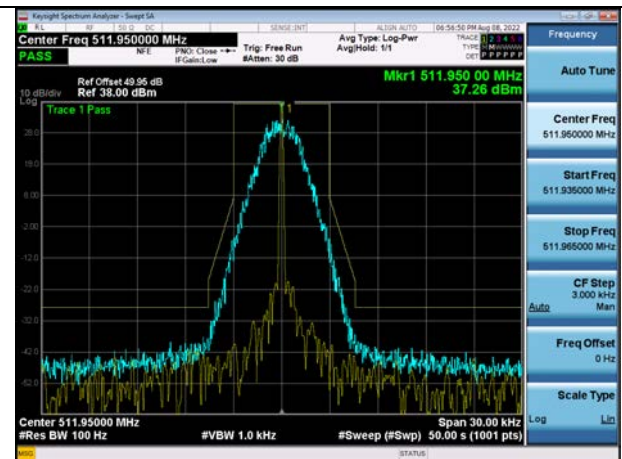
Emission Mask D



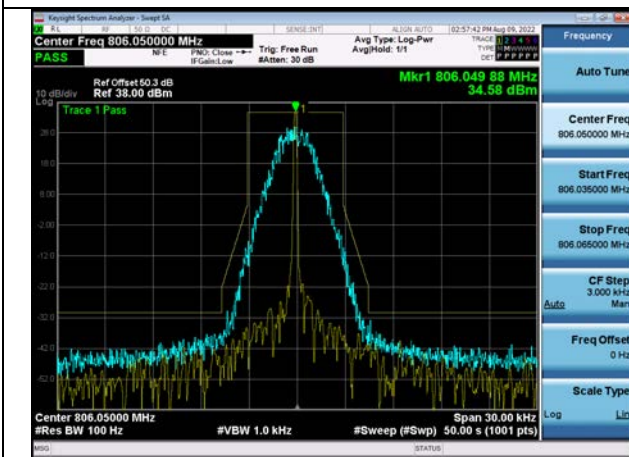
469.95MHz



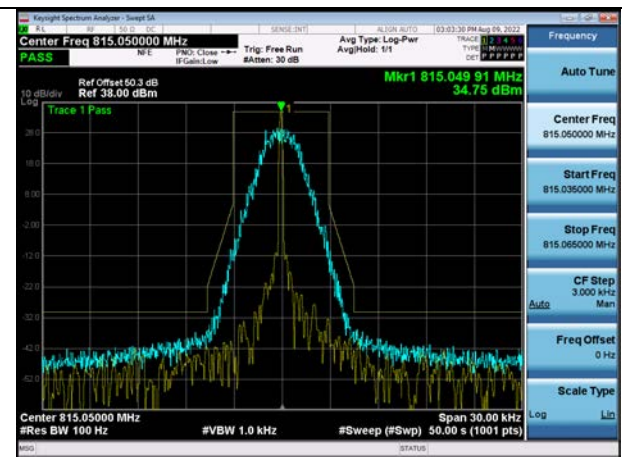
511.95MHz



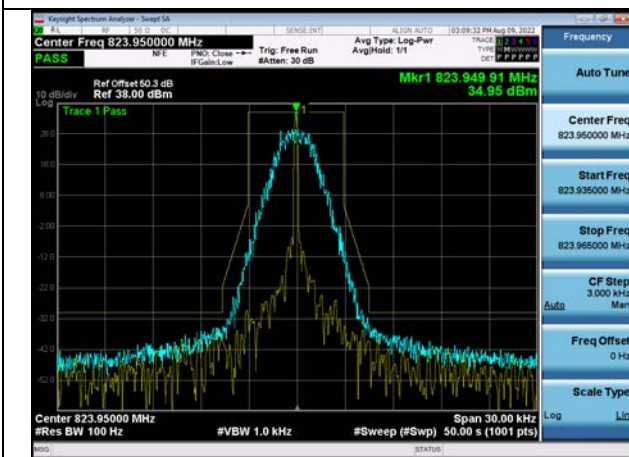
806.05MHz



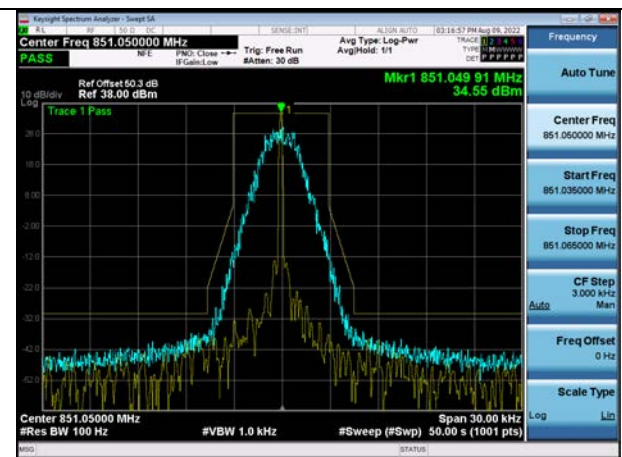
815.05MHz



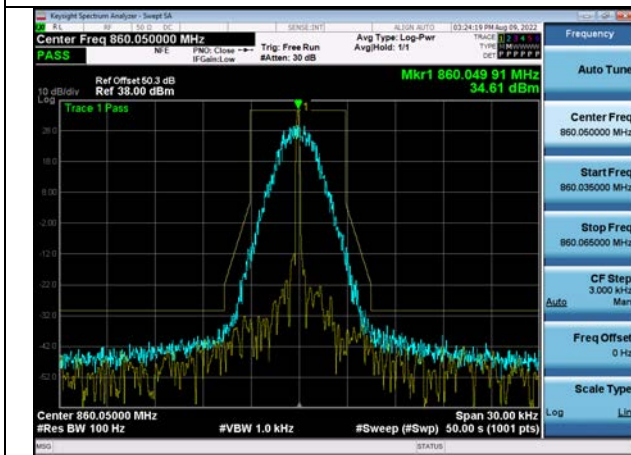
823.95MHz



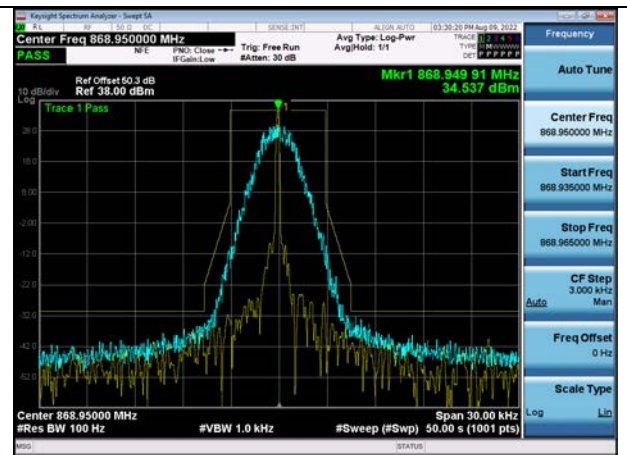
851.05MHz



860.05MHz

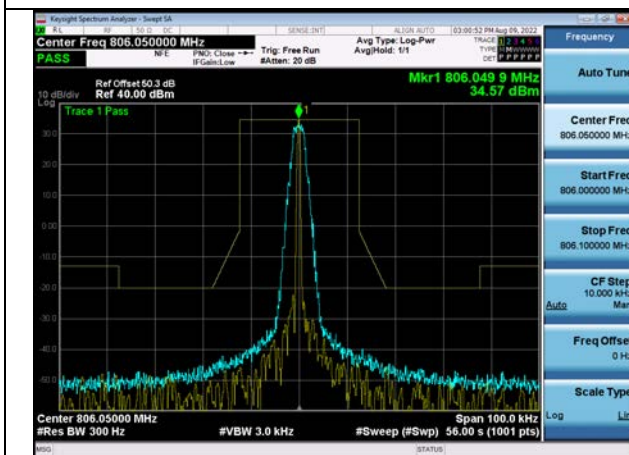


868.95MHz

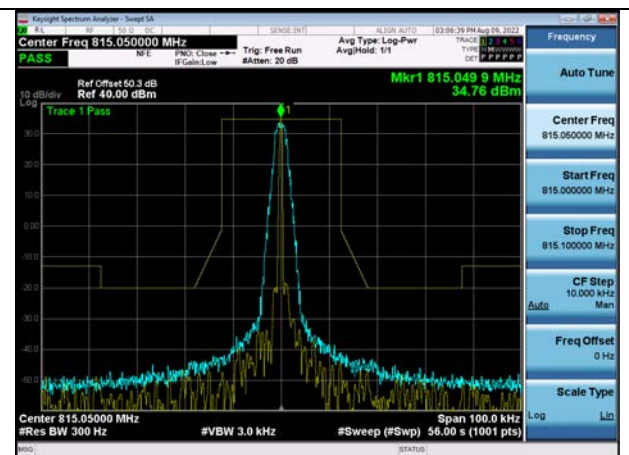


Emission Mask EA

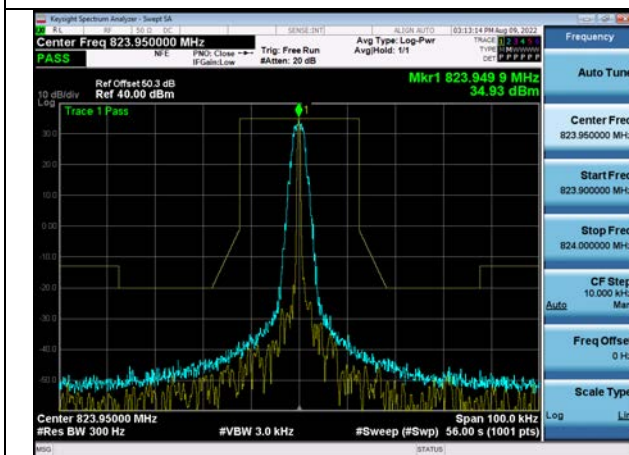
806.05MHz



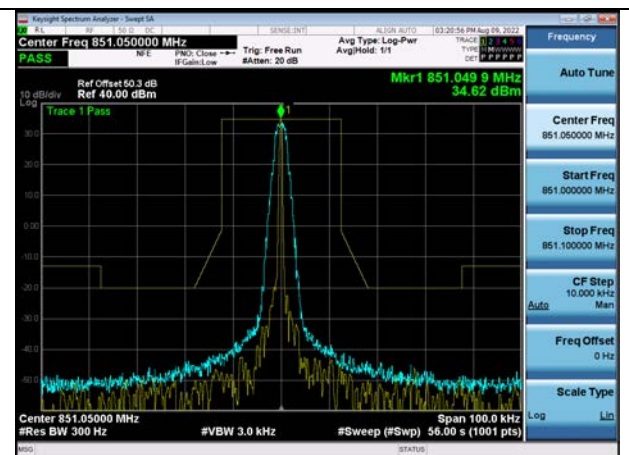
815.05MHz



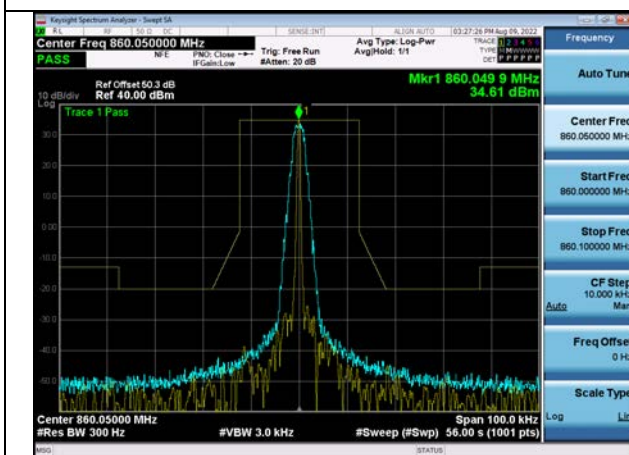
823.95MHz



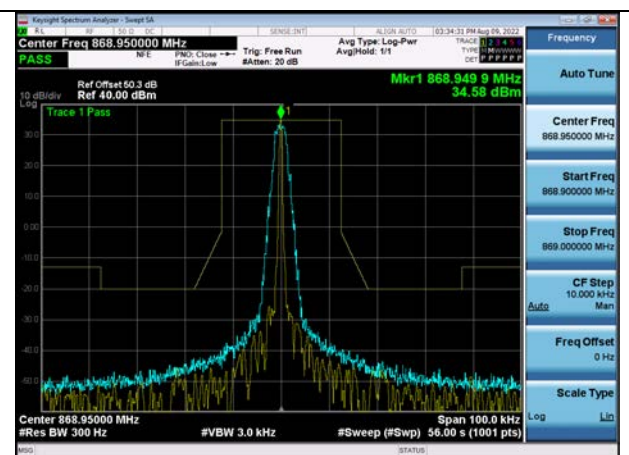
851.05MHz



860.05MHz



868.95MHz

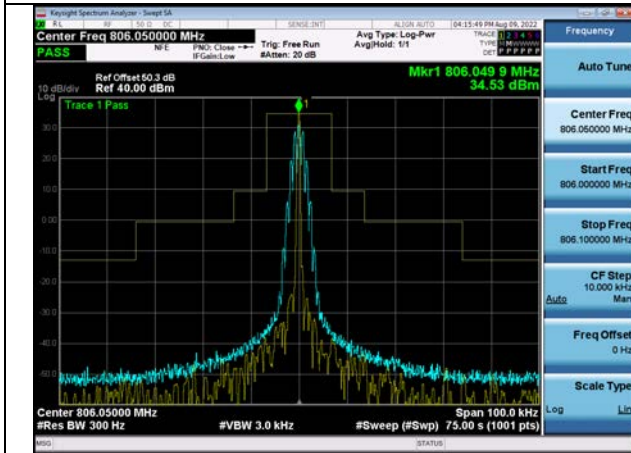


4K00F2D

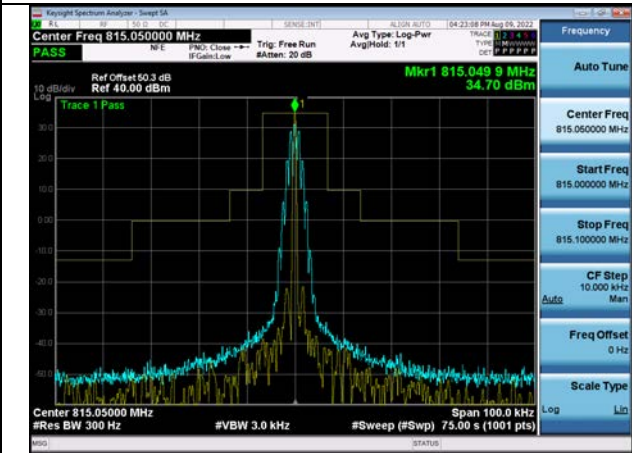
High Power

Emission Mask B

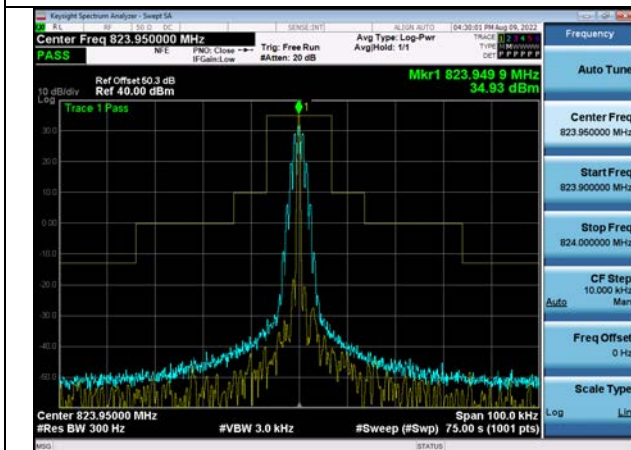
806.05MHz



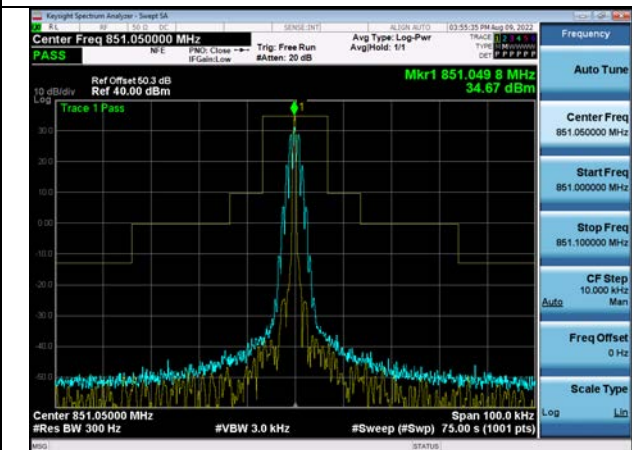
815.05MHz



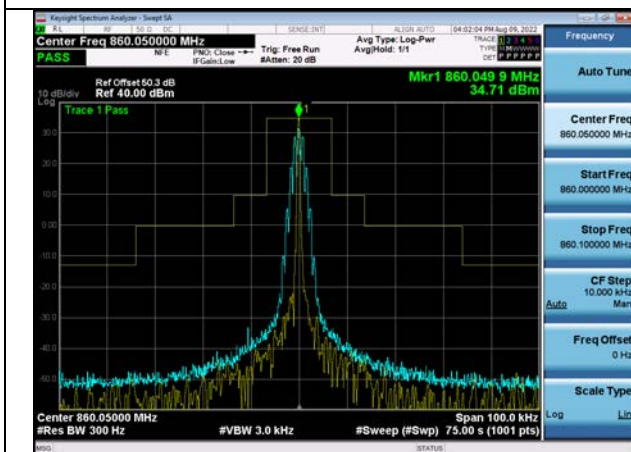
823.95MHz



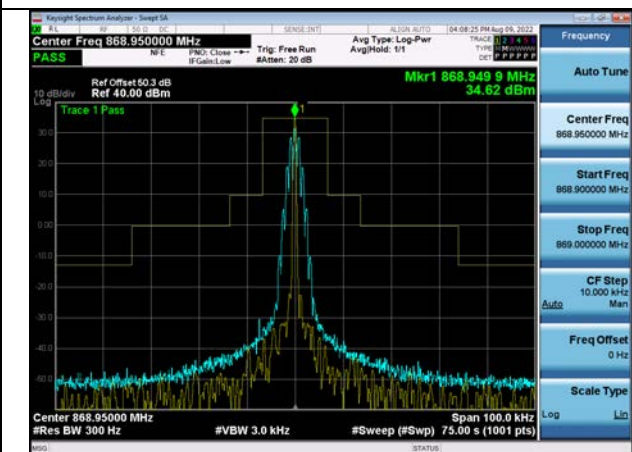
851.05MHz



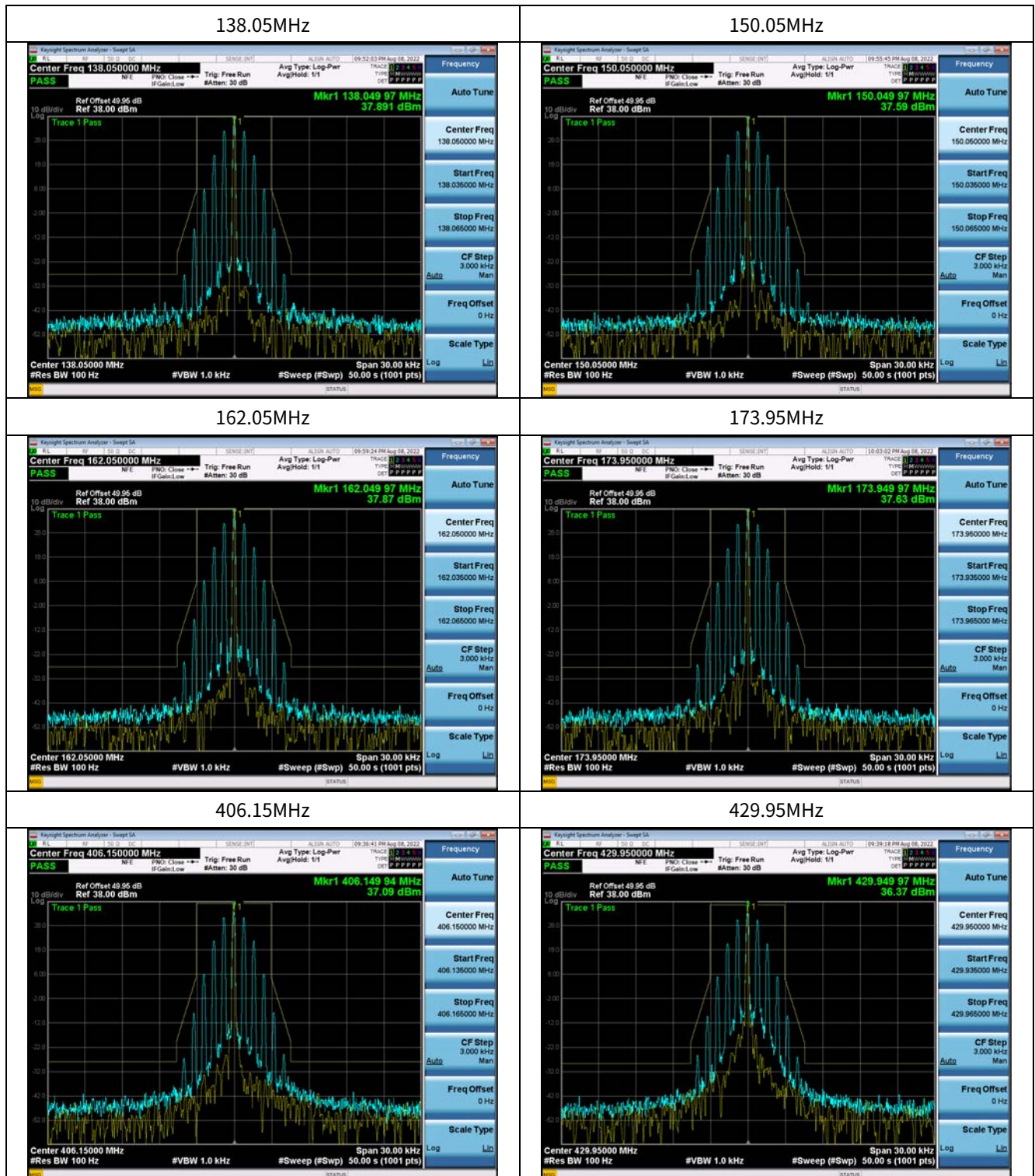
860.05MHz



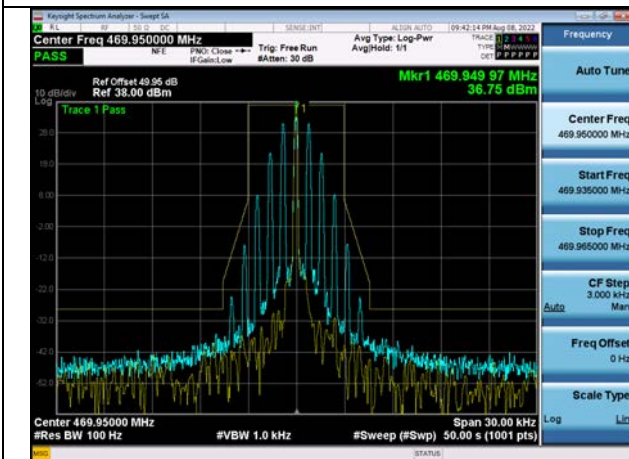
868.95MHz



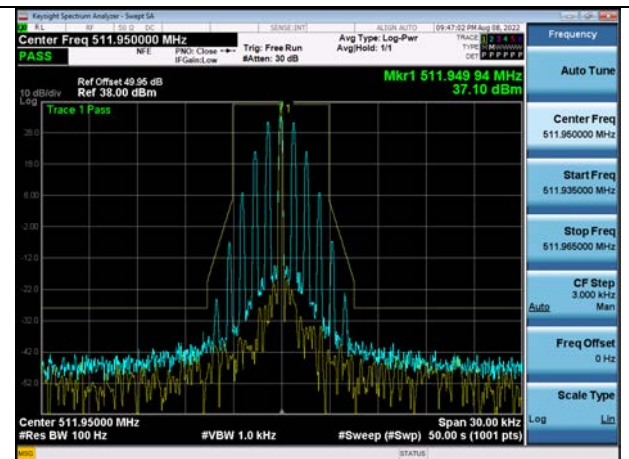
Emission Mask E



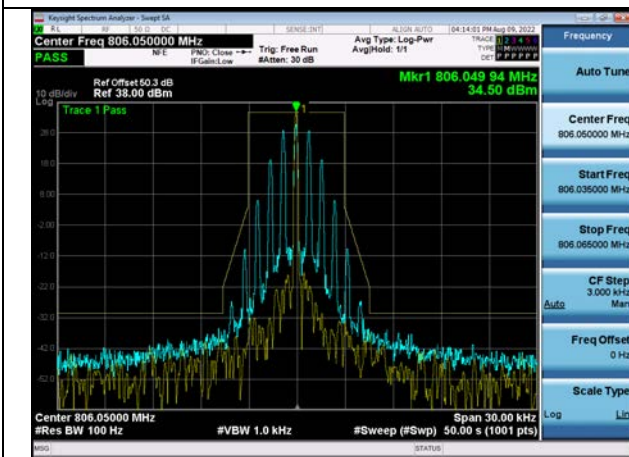
469.95MHz



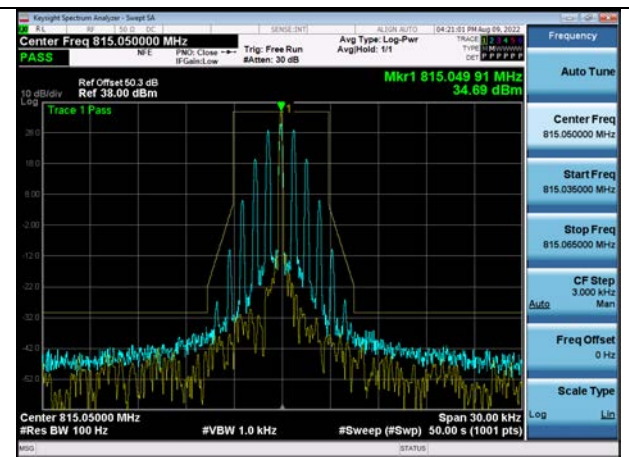
511.95MHz



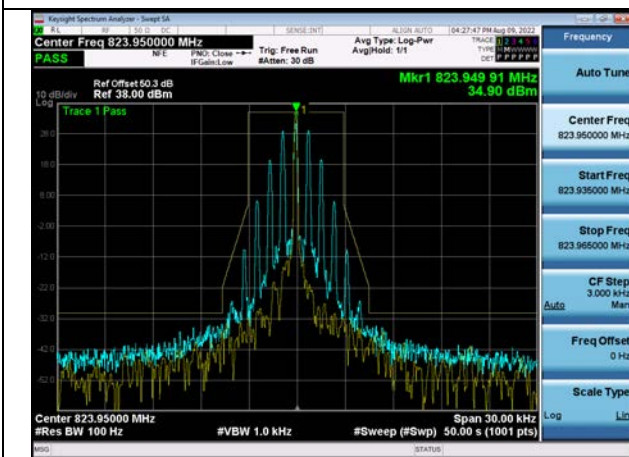
806.05MHz



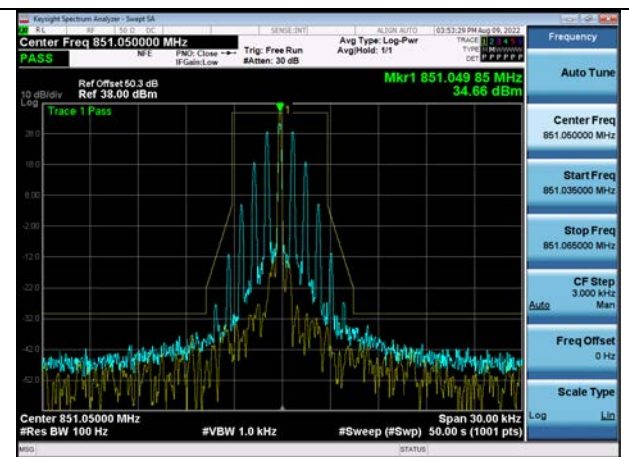
815.05MHz



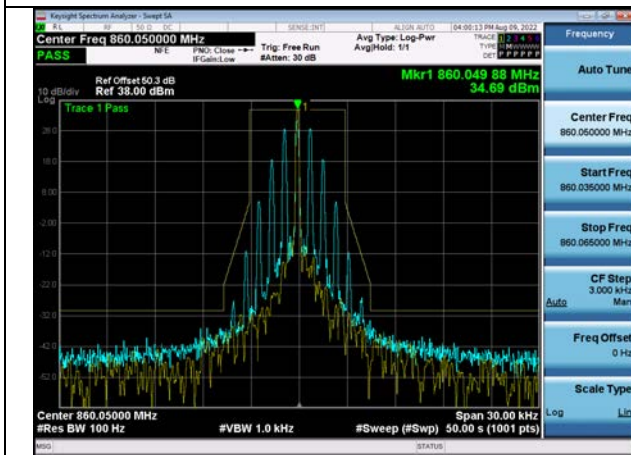
823.95MHz



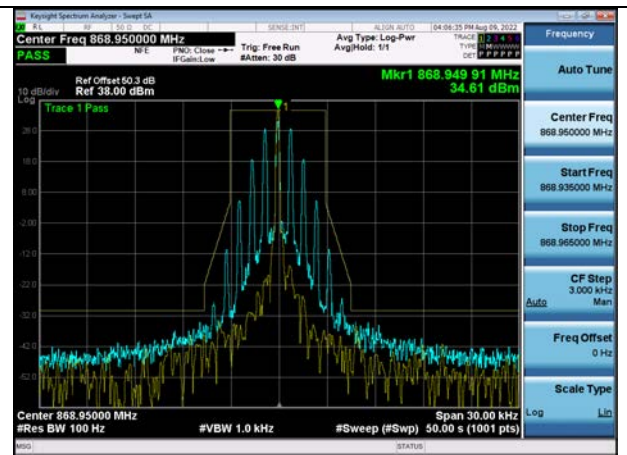
851.05MHz



860.05MHz

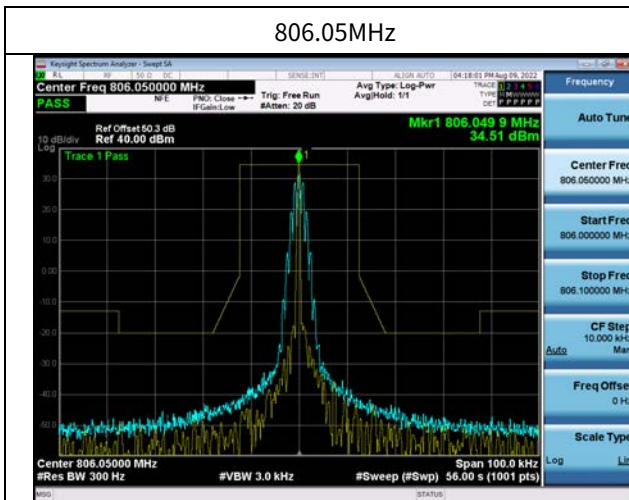


868.95MHz

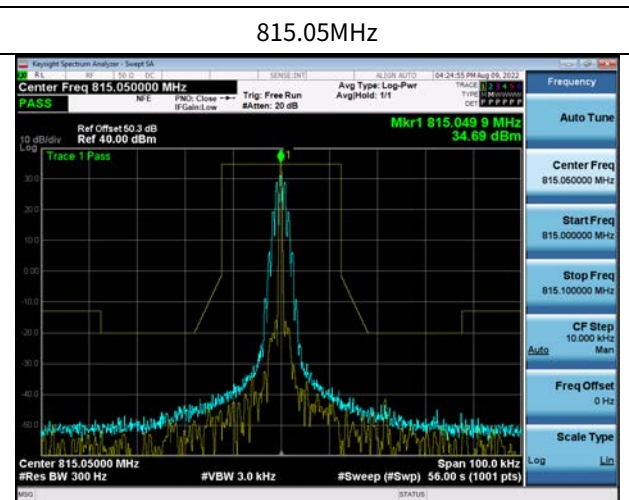


Emission Mask EA

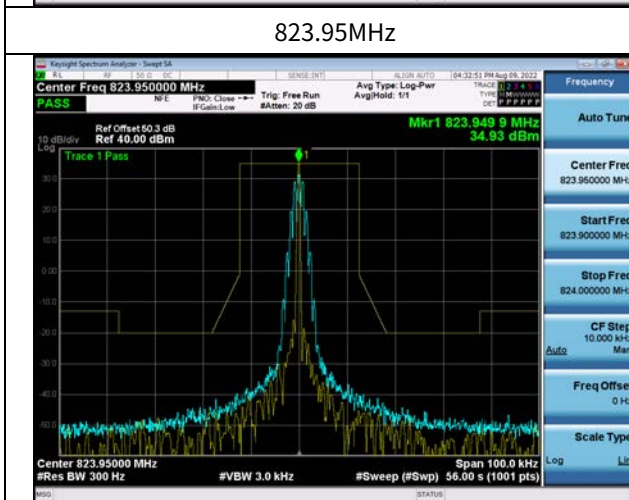
806.05MHz



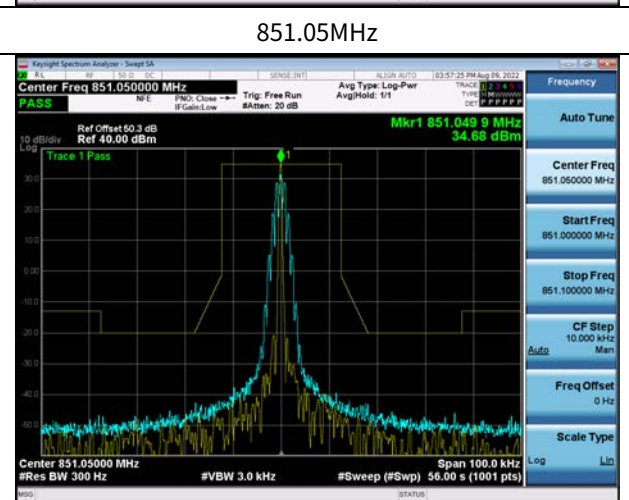
815.05MHz



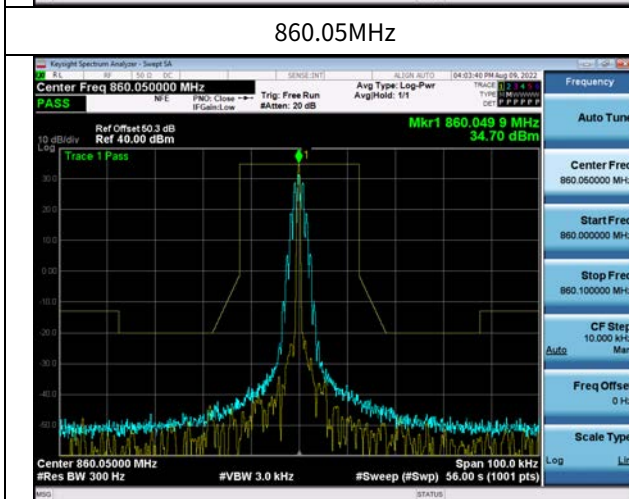
823.95MHz



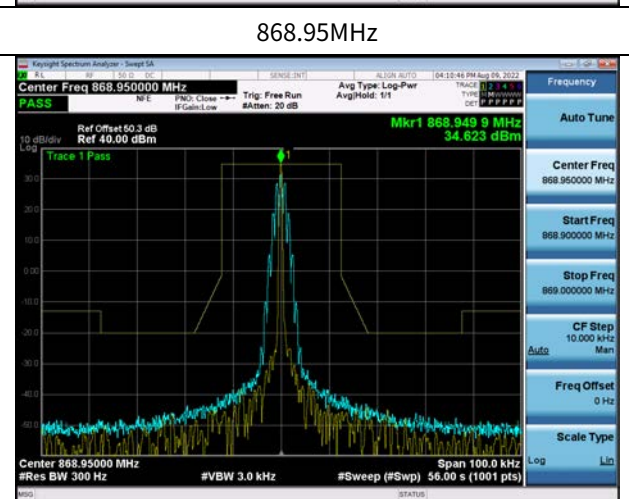
851.05MHz



860.05MHz



868.95MHz



8.7 Transient Frequency Behavior

■ Definition

Transient frequency behavior is a measure of the difference, as a function in time, of the actual transmitter frequency to the assigned transmitter frequency when the transmitted RF output power is switched on or off.

■ TEST CONFIGURATION



■ TEST PROCEDURE

According to 2.2.19 in TIA-603-E Standard.

- a) Connect the equipment as illustrated.
- b) Connect the output of the standard transmitter load to the RF power meter.
Supply sufficient attenuation via the RF attenuator to provide a level that is approximately 40 dB below the maximum allowable input to the modulation domain analyzer.
- c) Unkey the transmitter.
- d) Disconnect the RF power meter and connect the modulation domain analyzer in its place.
Set the envelope trigger of the modulation domain analyzer to the minimum level that will trigger when the transmitter is keyed.
- e) Reduce the attenuation of the RF attenuator so that the input to the modulation domain analyzer is increased by 30 dB when the transmitter is keyed.
- f) Set the modulation domain analyzer to trigger on the rising edge of the waveform in order to capture a single-shot turn-on of the transmitter signal.
- g) Adjust the display of the modulation domain analyzer for proper viewing of the transmitter transient behavior. Set the time base reference to the left for observing the transmitter turn-on transient.
- h) Key the transmitter.
- i) Observe the stored display of the modulation domain analyzer.
The signal trace shall be maintained within the allowable limits during the periods t_1 and t_2 , and shall also remain within limits following t_2 .
- j) Adjust the modulation domain analyzer to trigger on the falling edge of the transmitter waveform in order to capture a single-shot turn-off transient of the transmitter signal.
- k) Adjust the display of the modulation domain analyzer for proper viewing of the transmitter transient behavior. Set the time base reference to the right for observing the transmitter turn-off

transient.

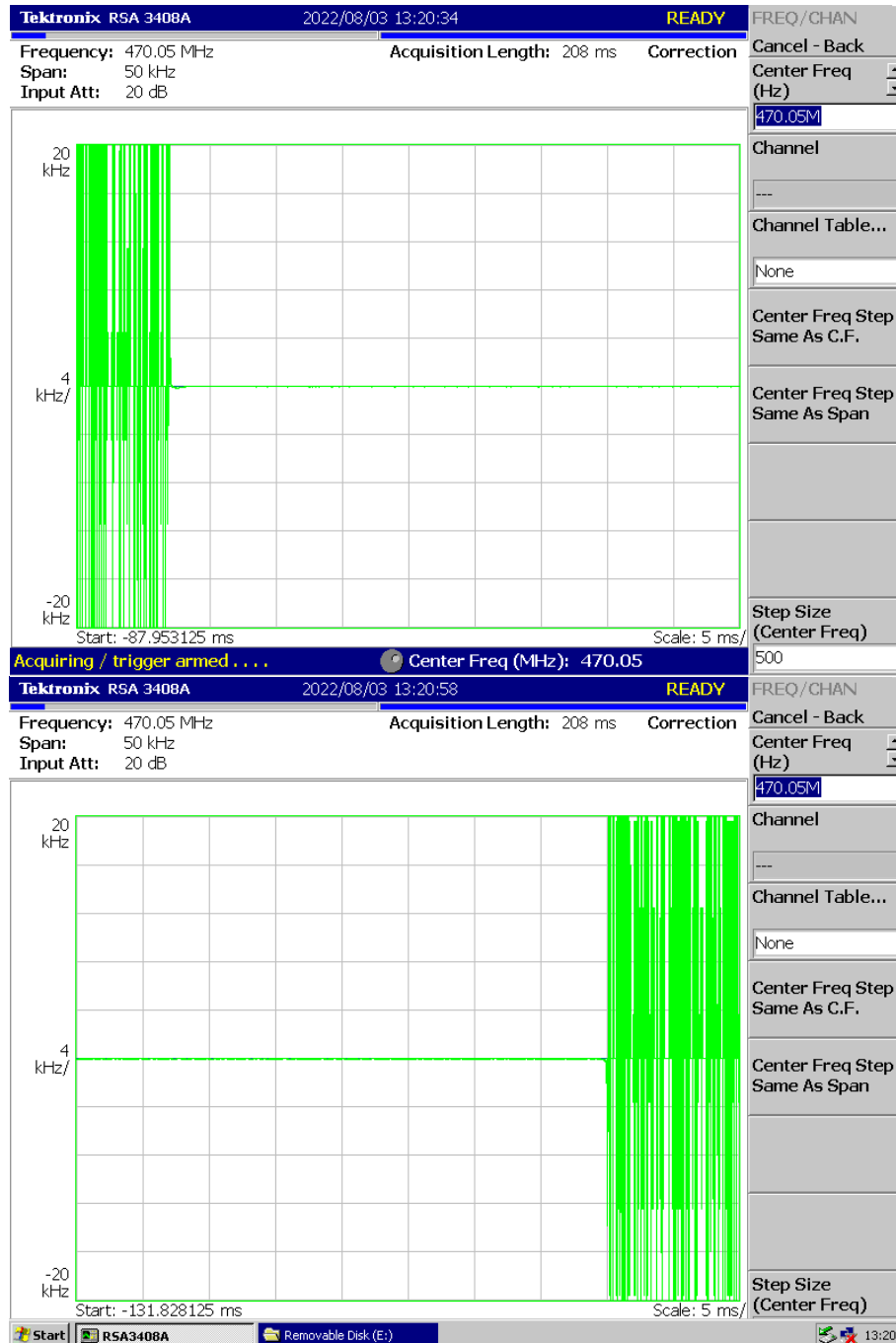
- l) Unkey the transmitter.
- m) Observe the stored display of the modulation domain analyzer. The signal trace shall be maintained within the allowable limits during the period t_3 .

Plots of Transient Frequency Behavior

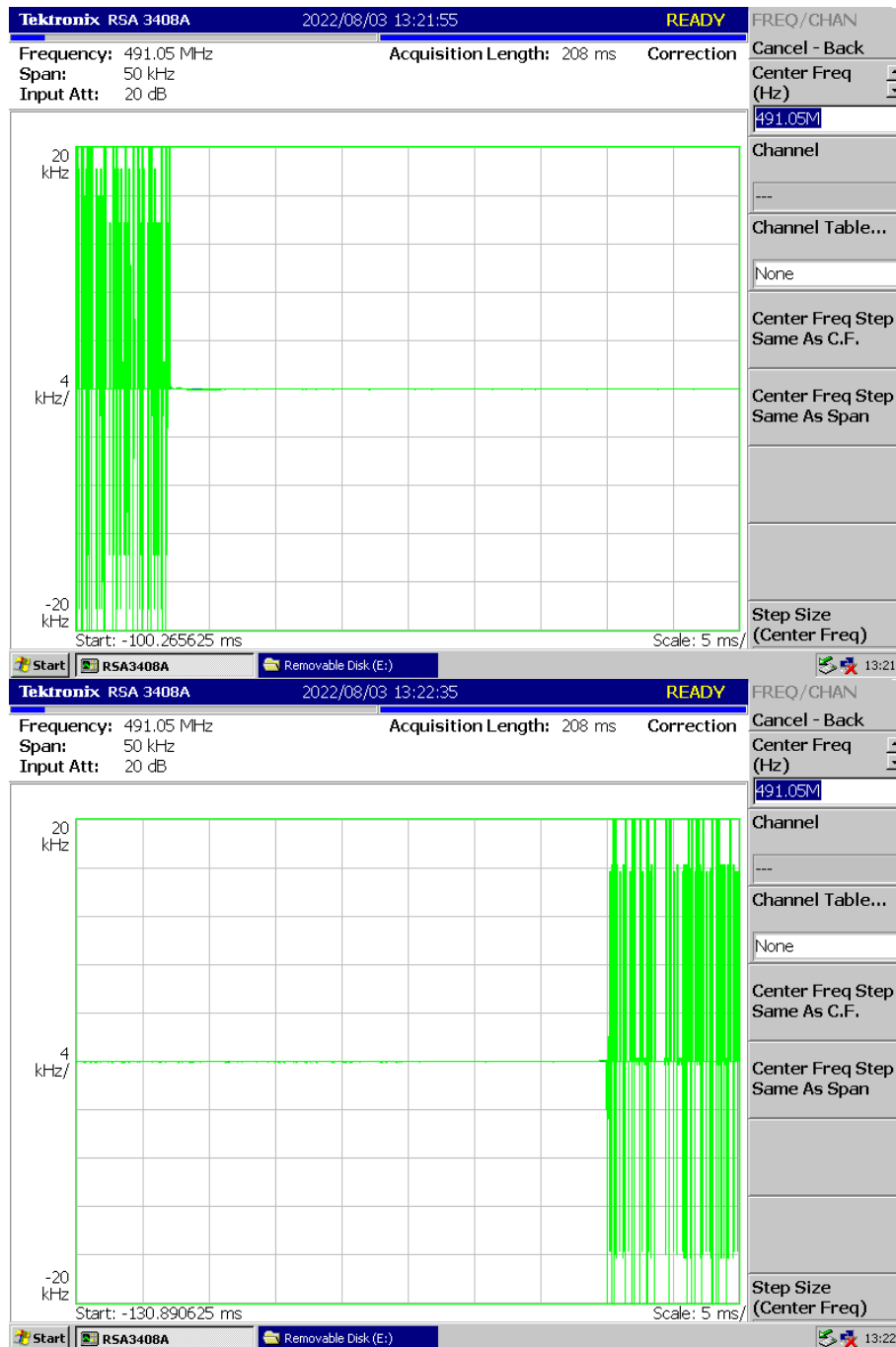
16K0F3E

High Power

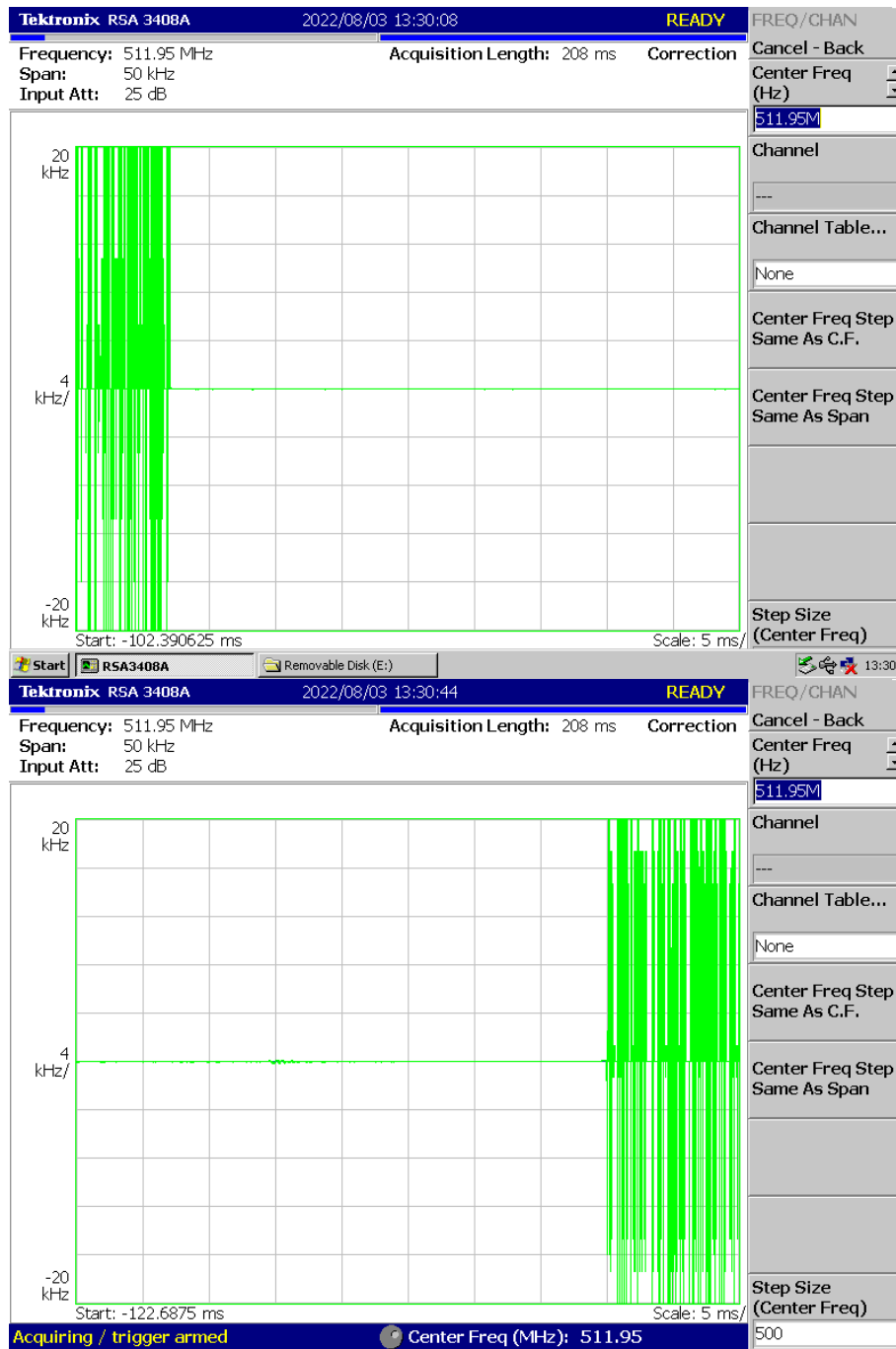
470.05MHz



491.05MHz



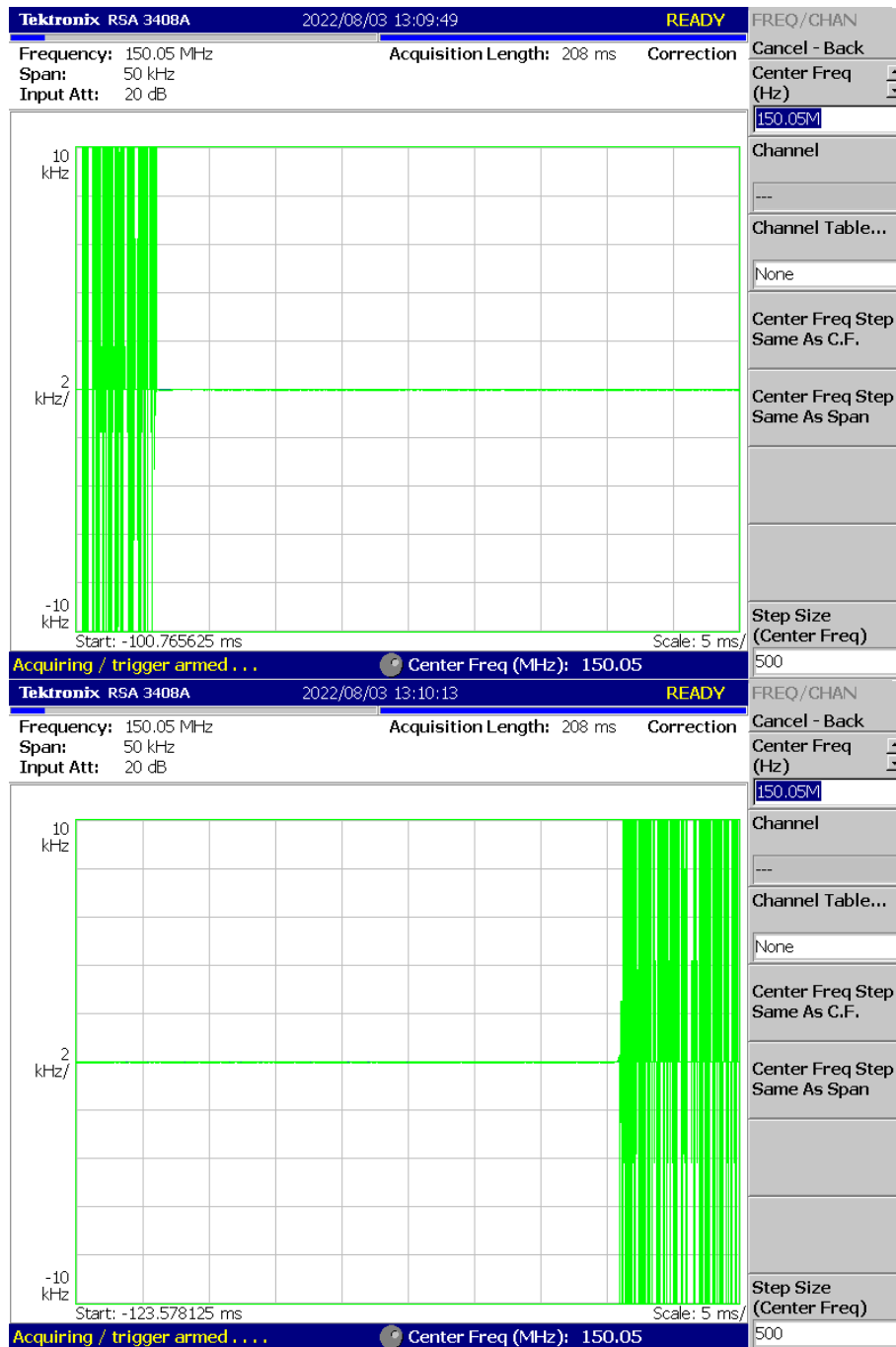
511.95MHz



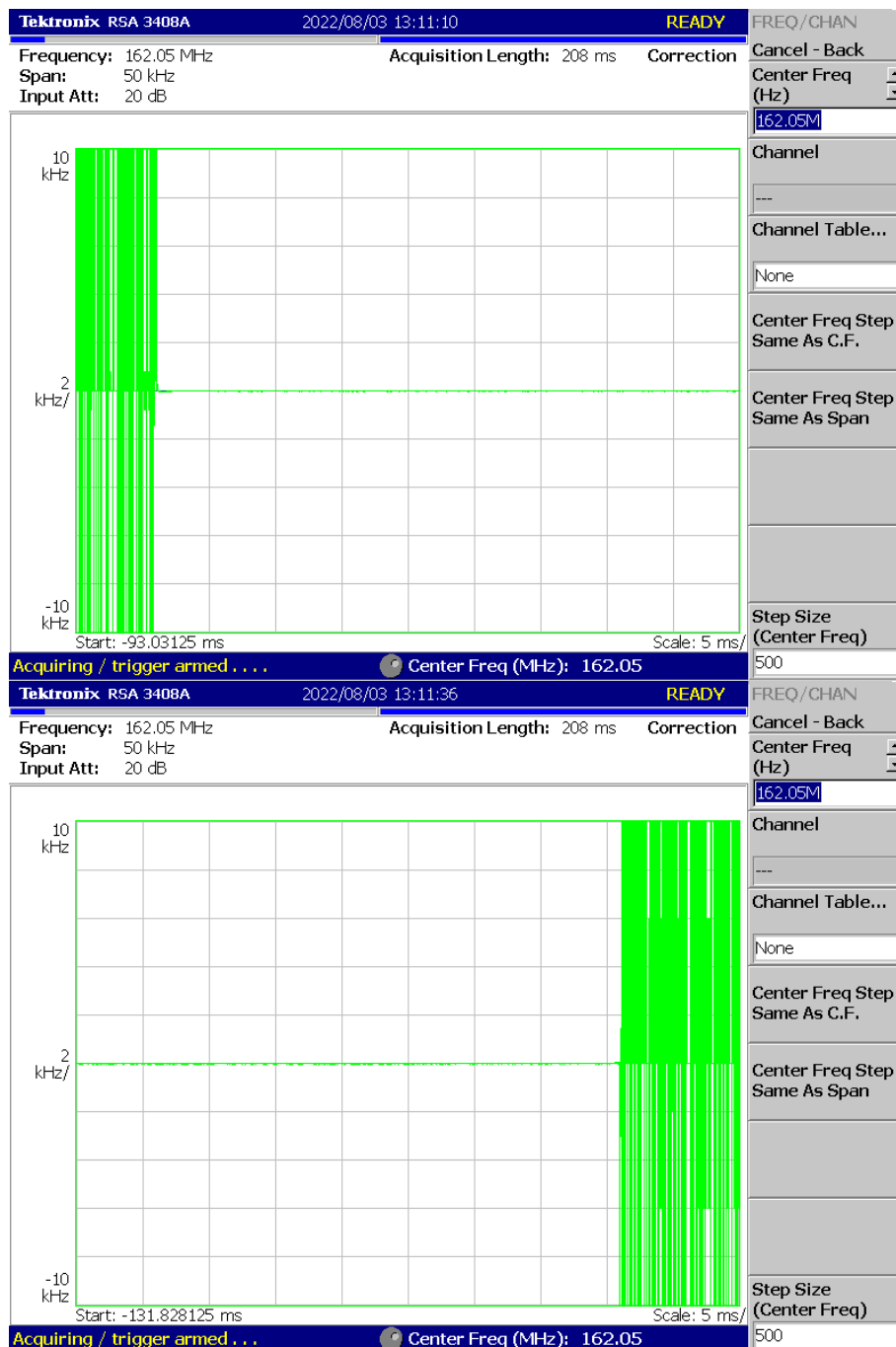
11K0F3E

High Power

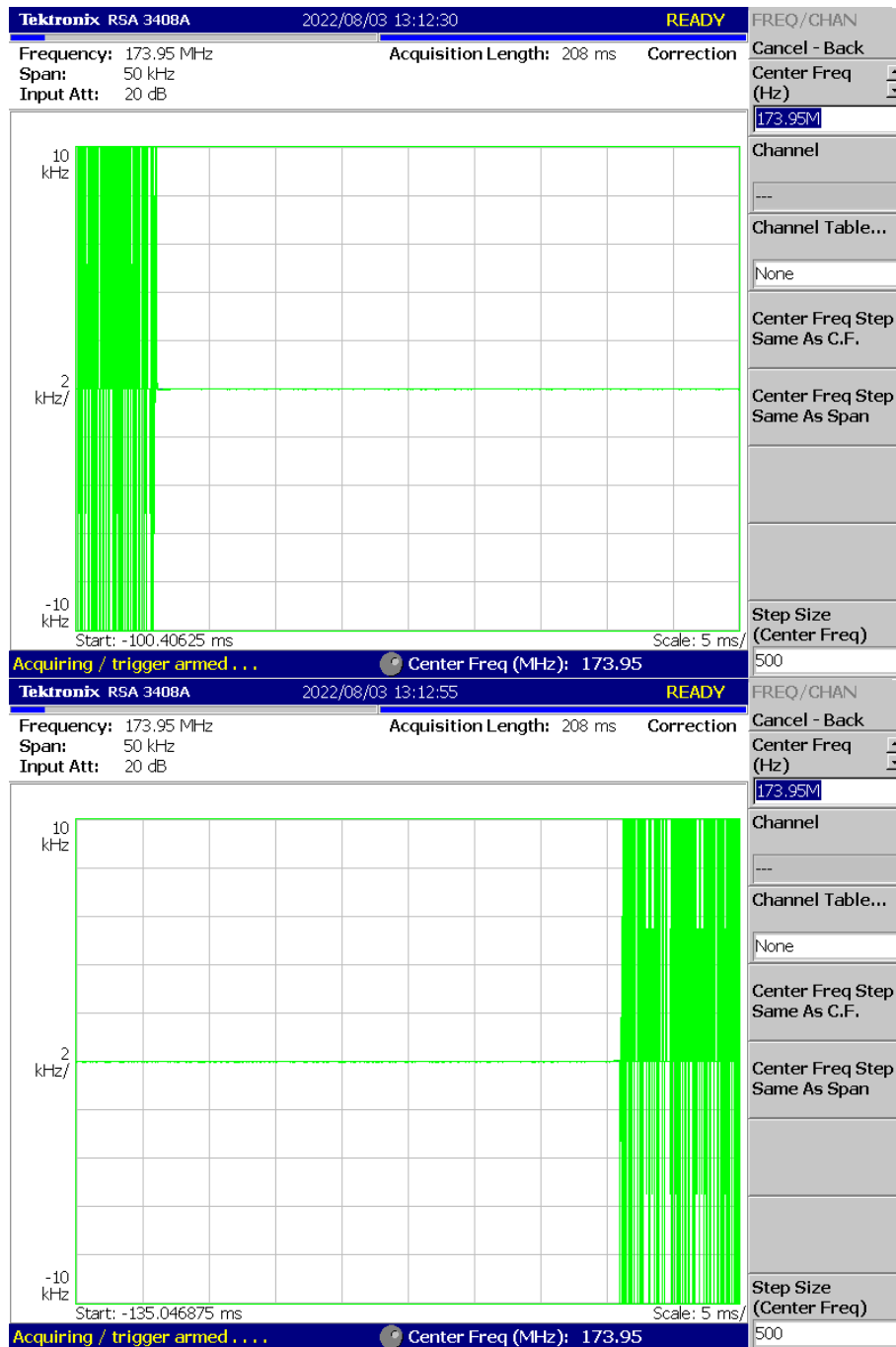
150.05MHz



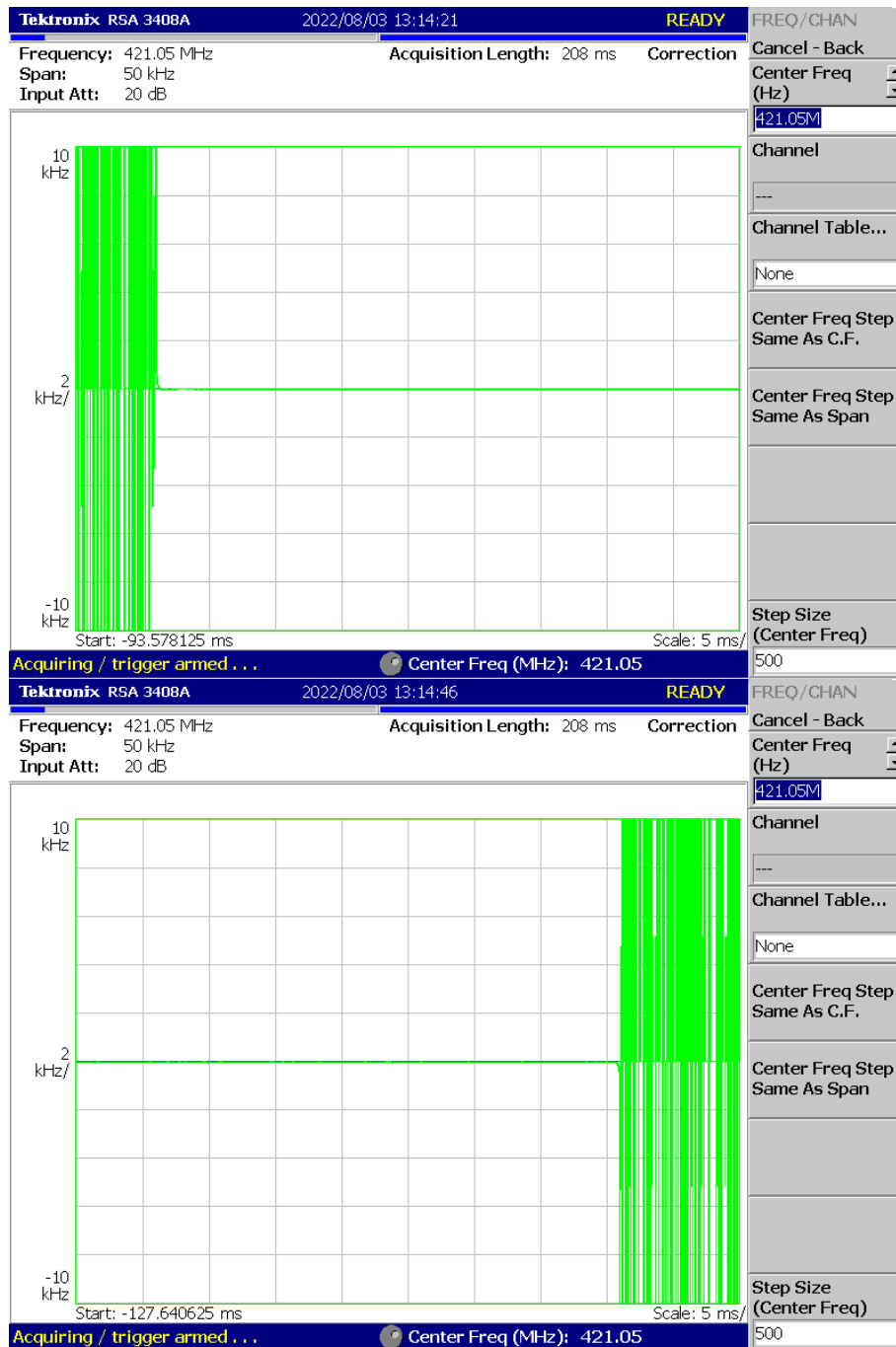
162.05MHz



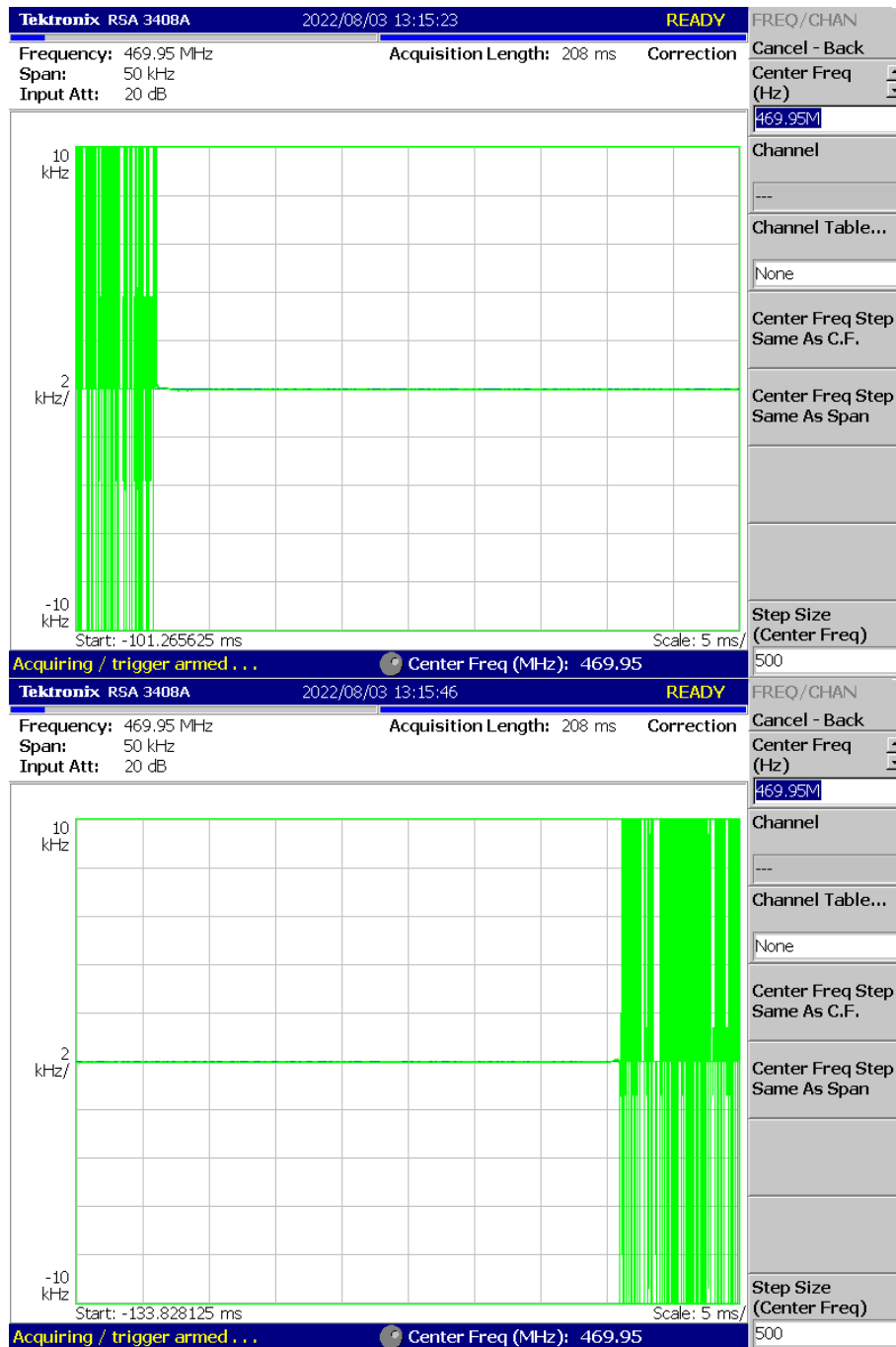
173.95MHz



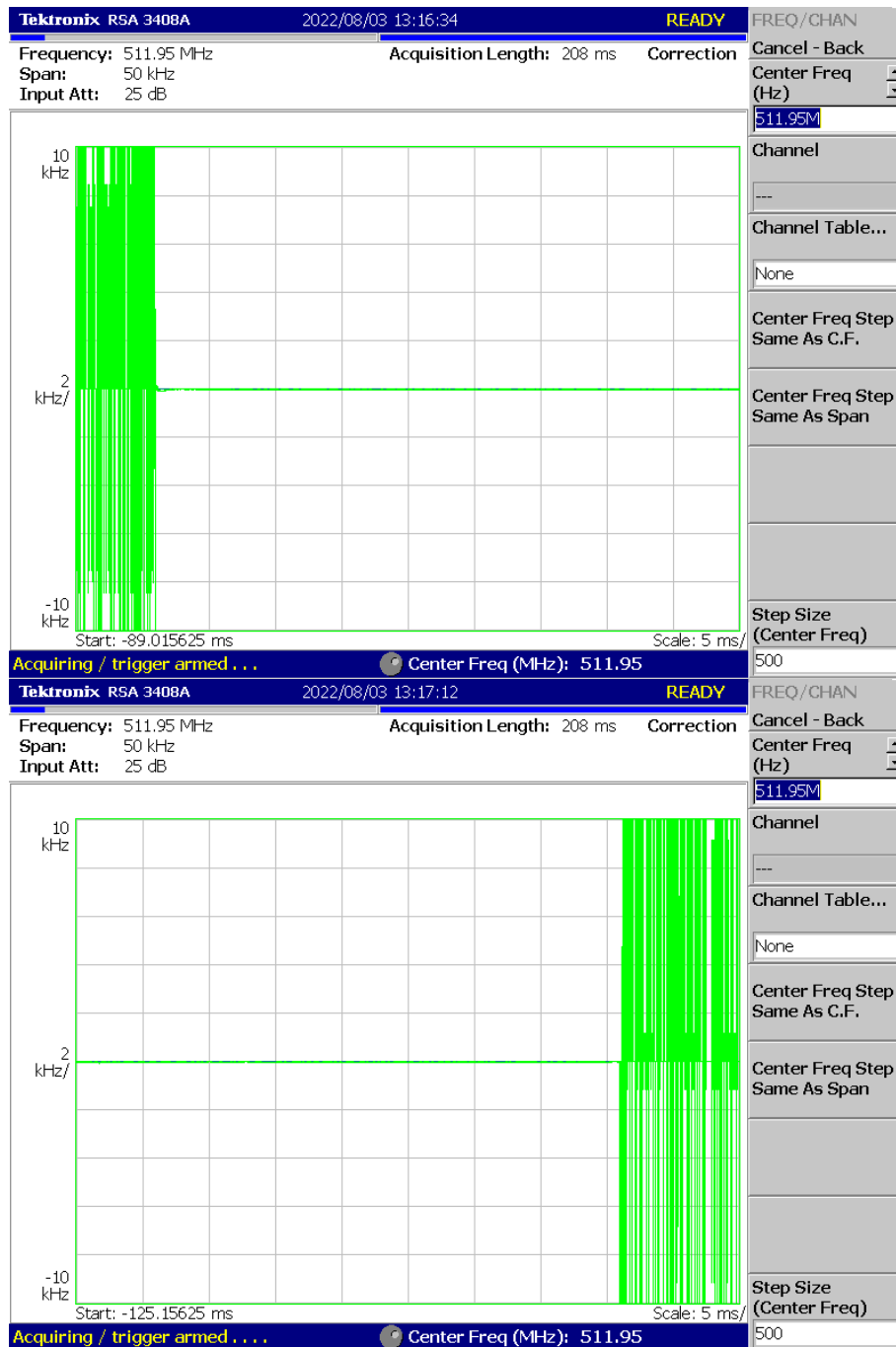
421.05MHz



469.95MHz



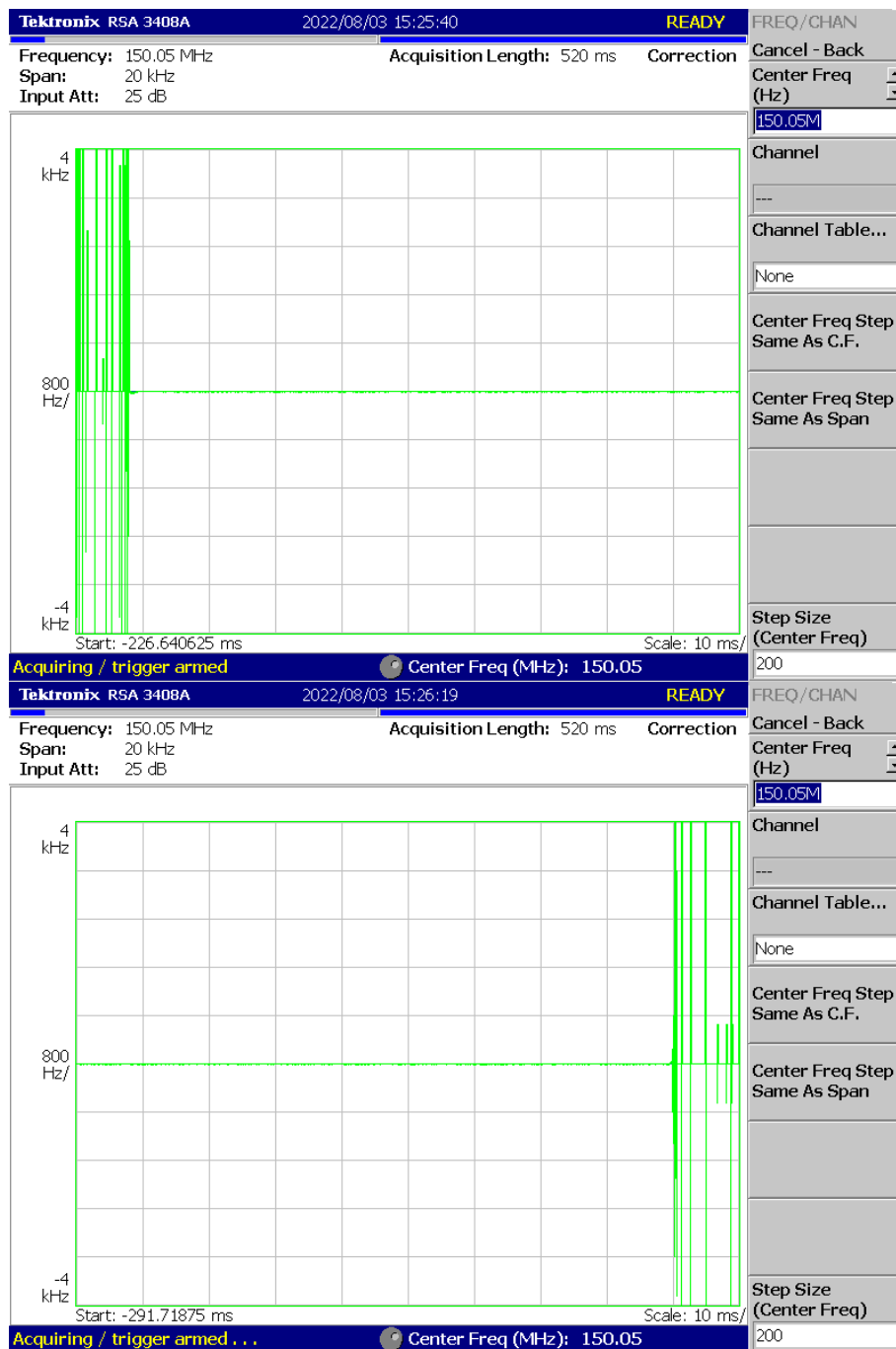
511.95MHz



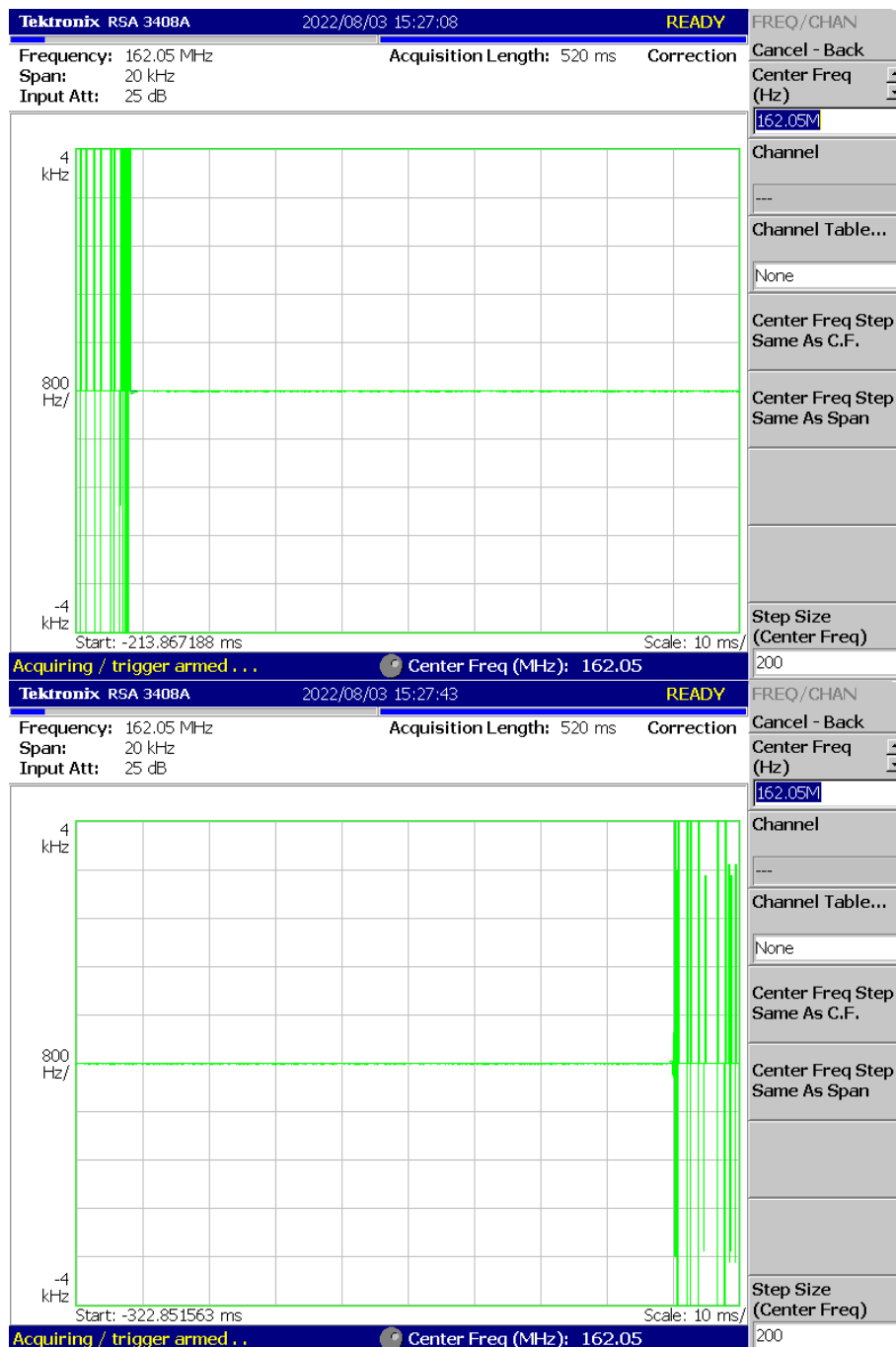
4K00F1E, 4K00F1D, 4K00F7W

High Power

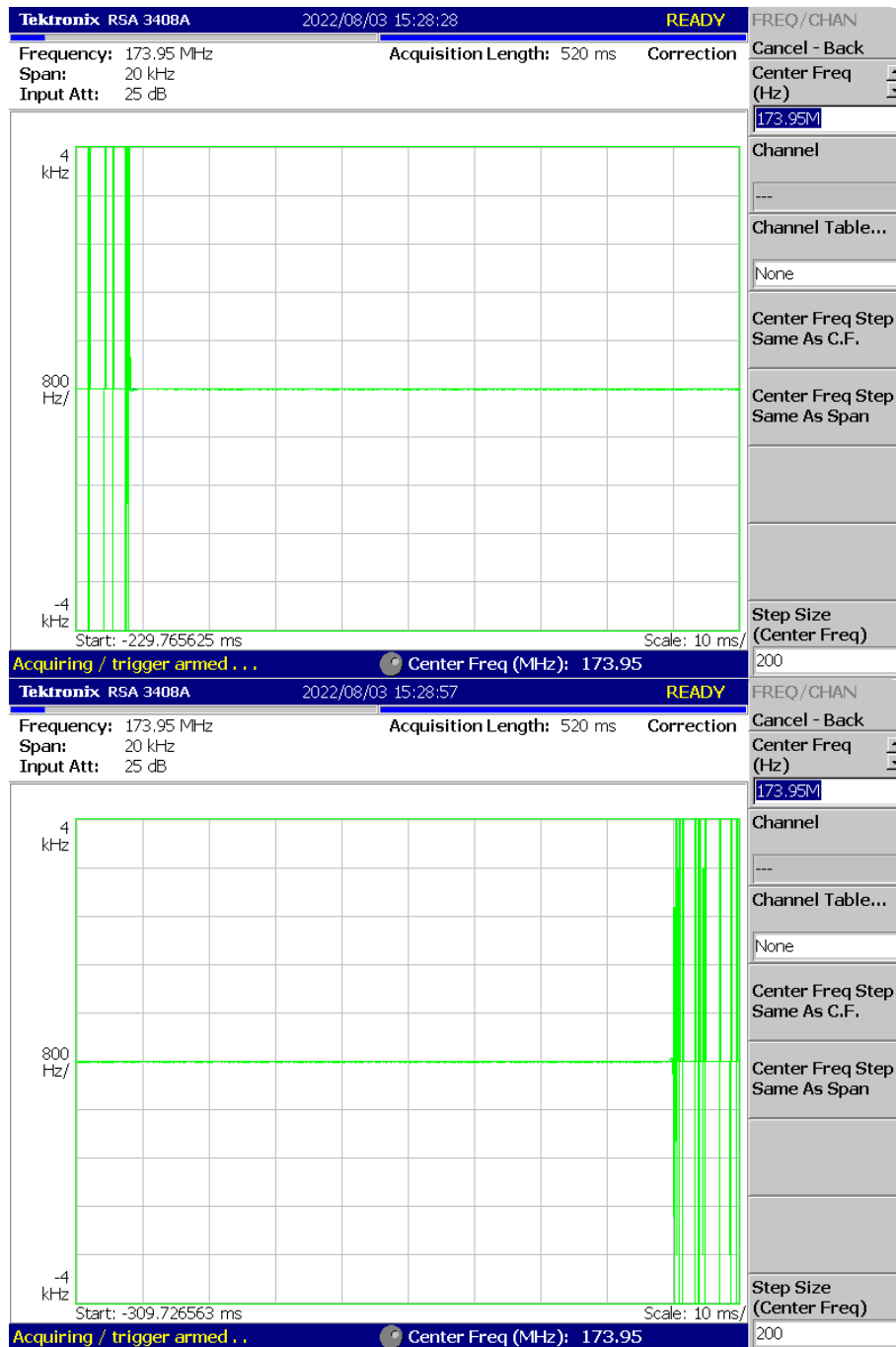
150.05MHz



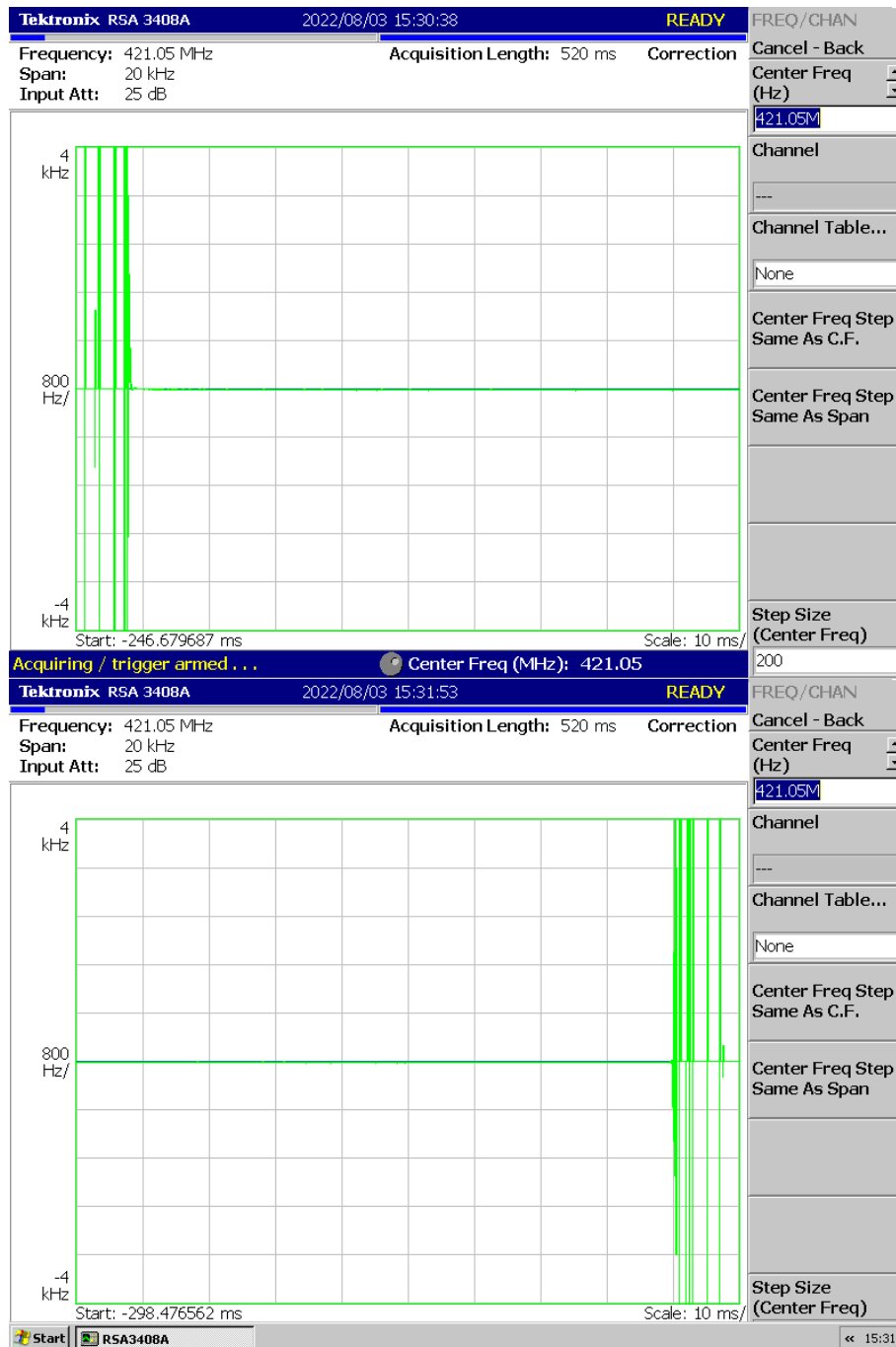
162.05MHz



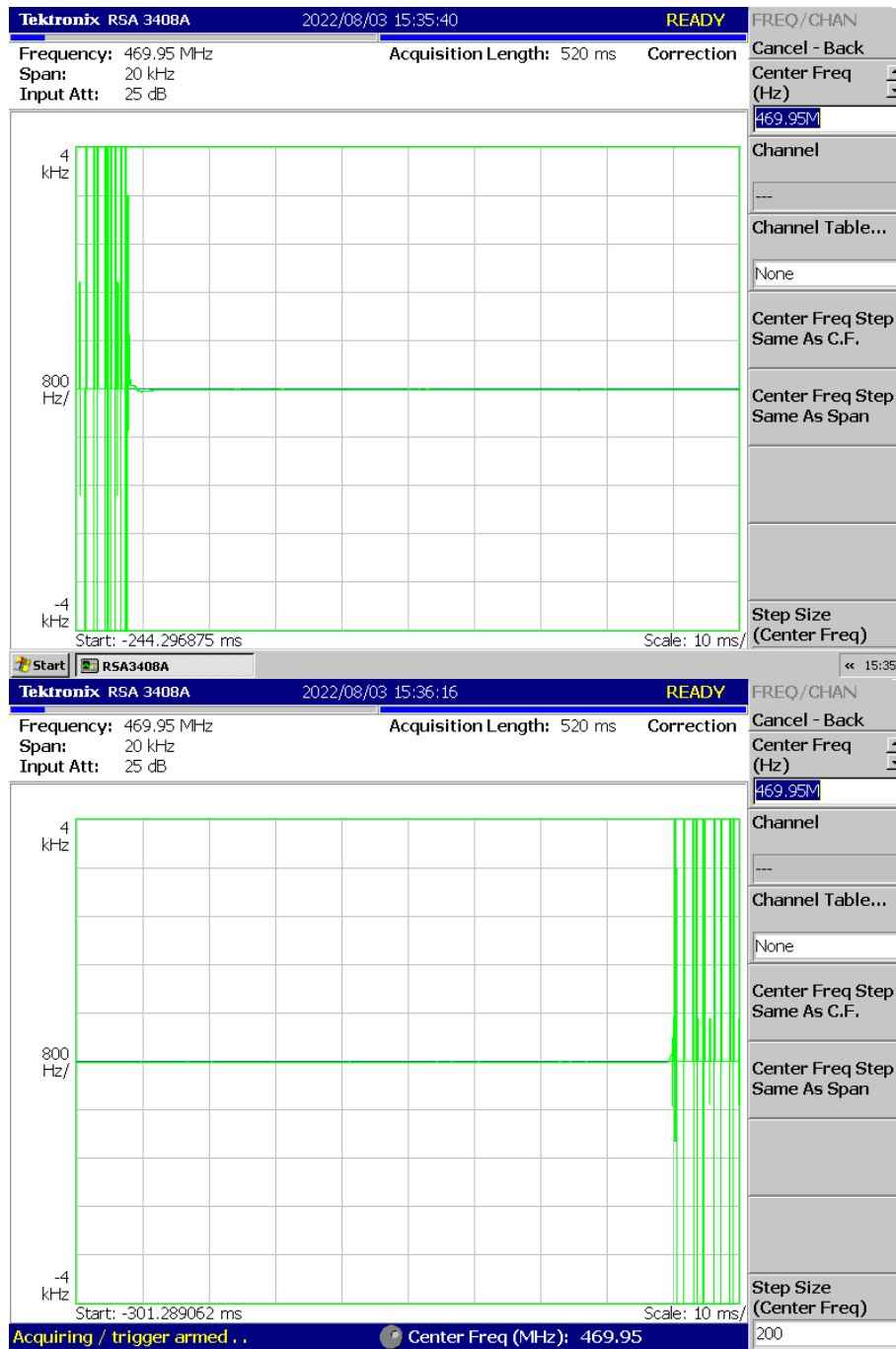
173.95MHz



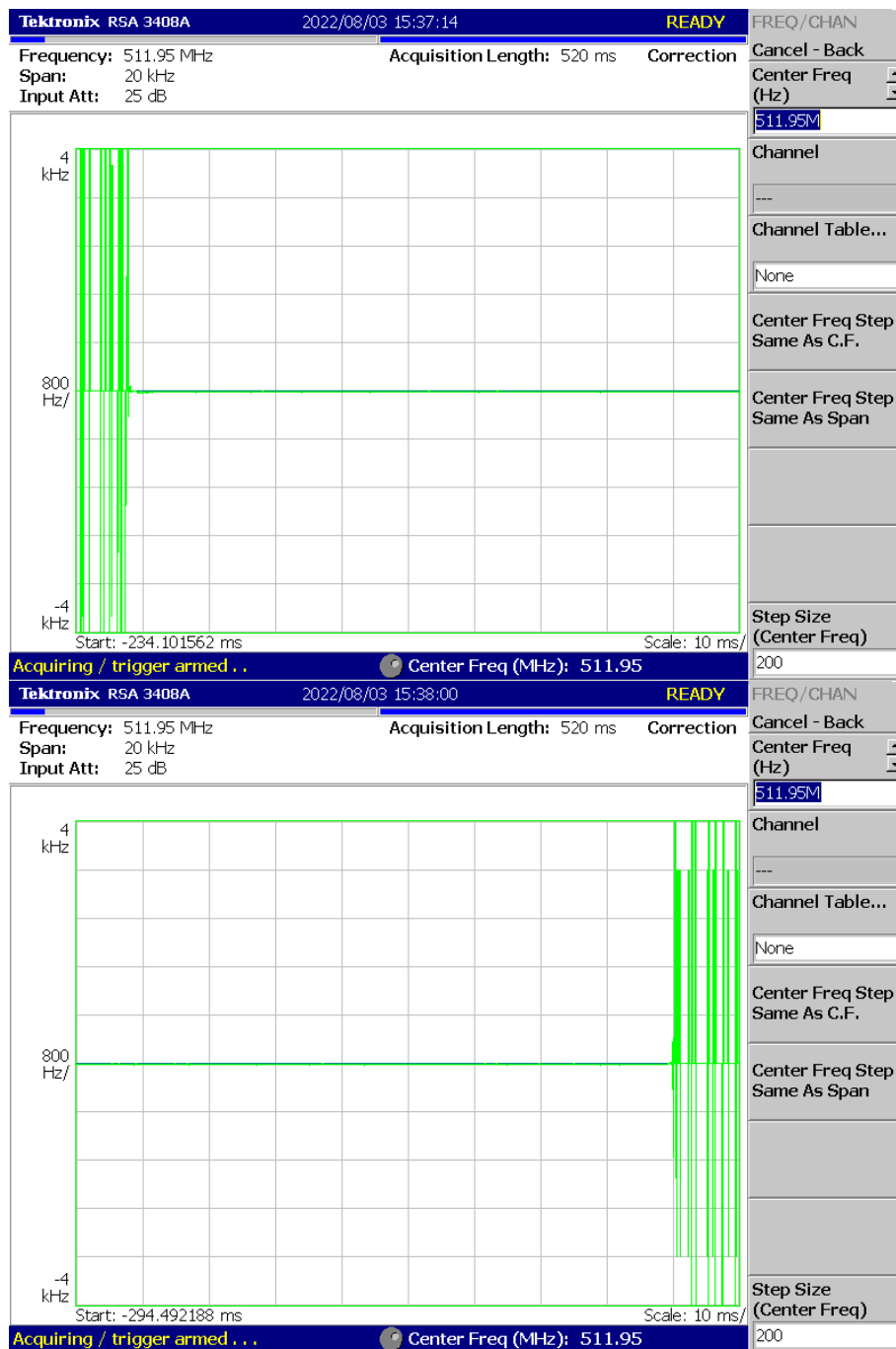
421.05MHz



469.95MHz



511.95MHz

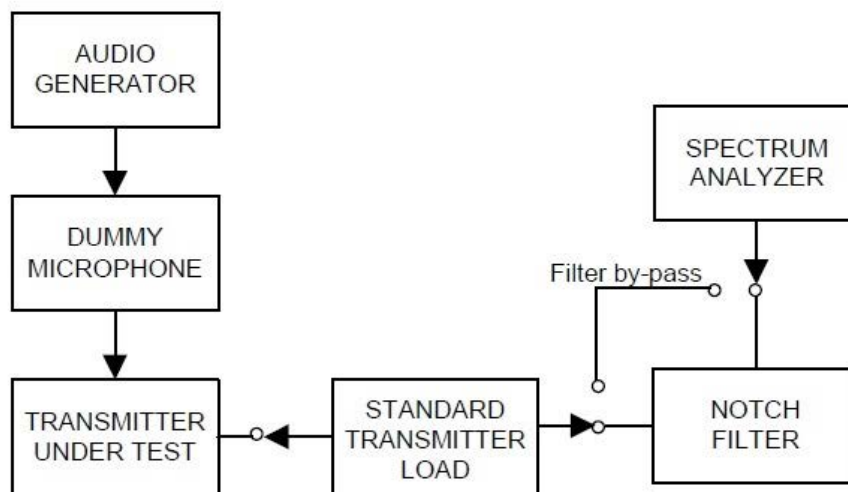


8.8 Unwanted Emissions : Conducted Spurious Emission

■ Definition

Conducted spurious emissions are emissions at the antenna terminals on a frequency or frequencies that are outside a band sufficient to ensure transmission of information of required quality for the class of communication desired.

■ TEST CONFIGURATION



■ TEST PROCEDURE

According to 2.2.13 in TIA-603-E Standard.

- e) Connect the equipment as illustrated, with the notch filter by-passed.
- f) Set the center frequency of the spectrum analyzer to the assigned transmitter frequency, key the transmitter, and set the level of the carrier to the full scale reference line.
- g) Modulate the transmitter with a 2500 Hz sine wave at an input level 16 dB greater than that necessary to produce 50% of rated system deviation. The input level shall be established at the frequency of maximum response of the audio modulation circuit.
- h) Adjust the spectrum analyzer for the following settings:
 - 1) Resolution Bandwidth = 10 kHz for spurious emissions below 1 GHz, and 1 MHz for spurious emissions above 1 GHz.
 - 2) Video Bandwidth ≥ 3 times the resolution bandwidth.
 - 3) Sweep Speed ≤ 2000 Hz per second.
 - 4) Detector Mode = mean or average power.
- e) Adjust the center frequency of the spectrum analyzer for incremental coverage of the range from:
 - 1) The lowest radio frequency generated in the equipment to the carrier frequency minus the test bandwidth (see 1.3.4.4).
 - 2) The carrier frequency plus the test bandwidth to a frequency less than 2 times the carrier frequency.

- f) Record the frequencies and levels of spurious emissions from step e).
- g) Unkey the transmitter. Replace the transmitter under test with the signal generator and adjust the signal level to reproduce the frequencies and levels of every spurious emission recorded in step
- f). Record the signal generator levels in dBm.
- h) Insert the notch filter.
- i) Adjust the spectrum analyzer for the following settings:
 - 1) Resolution Bandwidth = 10 kHz for spurious emissions below 1 GHz, and 1 MHz for spurious emissions above 1 GHz.
 - 2) Video Bandwidth ≥ 3 times the resolution bandwidth.
 - 3) Sweep Speed ≤ 2000 Hz per second.
 - 4) Detector Mode = mean or average power.
- j) Key the transmitter. Adjust the center frequency of the spectrum analyzer for incremental coverage of the range from a frequency equal to 2 times the carrier frequency and to the tenth harmonic of the carrier frequency.

TEST RESULTS

16K0F3E_High Power

Test Frequency (MHz)	Measured Frequency (MHz)	Result (dBm)	Limit (dBm)	Margin (dB)
138.05	0.01	-46.599	-13.000	33.599
	17.69	-42.344	-13.000	29.344
	880.97	-30.253	-13.000	17.253
	3852.24	-28.583	-13.000	15.583
150.05	0.01	-47.126	-13.000	34.126
	13.96	-42.024	-13.000	29.024
	861.28	-29.838	-13.000	16.838
	3876.54	-28.473	-13.000	15.473
173.95	0.01	-47.323	-13.000	34.323
	17.89	-42.371	-13.000	29.371
	908.23	-30.323	-13.000	17.323
	3843.24	-28.867	-13.000	15.867
406.15	0.01	-46.738	-13.000	33.738
	0.26	-42.002	-13.000	29.002
	923.85	-30.529	-13.000	17.529
	1218.26	-24.216	-13.000	11.216
429.95	0.01	-46.242	-13.000	33.242
	0.22	-41.986	-13.000	28.986
	828.49	-30.319	-13.000	17.319
	1289.81	-24.360	-13.000	11.360
469.95	0.01	-46.793	-13.000	33.793
	28.45	-42.177	-13.000	29.177
	883.30	-30.277	-13.000	17.277
	1409.97	-26.220	-13.000	13.220
470.95	0.01	-46.416	-13.000	33.416
	2.30	-42.026	-13.000	29.026
	848.37	-30.384	-13.000	17.384
	1410.42	-26.483	-13.000	13.483
491.05	0.02	-46.351	-13.000	33.351
	0.39	-42.481	-13.000	29.481
	896.78	-30.173	-13.000	17.173
	1472.97	-25.344	-13.000	12.344
511.95	0.01	-46.923	-13.000	33.923
	21.97	-42.073	-13.000	29.073
	850.02	-30.404	-13.000	17.404
	1535.98	-26.124	-13.000	13.124
768.05	0.01	-45.322	-13.000	32.322
	22.07	-41.814	-13.000	28.814
	885.53	-30.007	-13.000	17.007
	3840.99	-28.335	-13.000	15.335

Test Frequency (MHz)	Measured Frequency (MHz)	Result (dBm)	Limit (dBm)	Margin (dB)
769.05	0.01	-46.497	-13.000	33.497
	0.65	-41.416	-13.000	28.416
	887.47	-30.178	-13.000	17.178
	3885.99	-28.811	-13.000	15.811
774.95	0.01	-46.829	-13.000	33.829
	0.20	-41.424	-13.000	28.424
	896.49	-30.252	-13.000	17.252
	3867.54	-28.127	-13.000	15.127
775.95	0.01	-46.698	-13.000	33.698
	8.63	-41.566	-13.000	28.566
	892.03	-29.993	-13.000	16.993
	3877.44	-28.410	-13.000	15.410
798.05	0.01	-46.674	-13.000	33.674
	0.19	-41.293	-13.000	28.293
	948.97	-30.157	-13.000	17.157
	3812.64	-28.298	-13.000	15.298
799.05	0.01	-46.696	-13.000	33.696
	26.24	-41.870	-13.000	28.870
	874.66	-30.221	-13.000	17.221
	3860.79	-28.653	-13.000	15.653
804.95	0.01	-45.902	-13.000	32.902
	11.22	-41.896	-13.000	28.896
	949.26	-29.931	-13.000	16.931
	3880.59	-28.453	-13.000	15.453
805.95	0.01	-46.433	-13.000	33.433
	12.55	-41.654	-13.000	28.654
	918.90	-30.211	-13.000	17.211
	3840.09	-28.333	-13.000	15.333
806.05	0.01	-45.794	-13.000	32.794
	18.64	-41.905	-13.000	28.905
	885.33	-30.124	-13.000	17.124
	3915.70	-28.333	-13.000	15.333
815.05	0.01	-46.089	-13.000	33.089
	0.19	-41.956	-13.000	28.956
	913.18	-30.324	-13.000	17.324
	3830.64	-28.492	-13.000	15.492
823.95	0.01	-46.550	-13.000	33.550
	0.26	-41.768	-13.000	28.768
	882.33	-30.180	-13.000	17.180
	3853.14	-28.752	-13.000	15.752
851.05	0.01	-46.023	-13.000	33.023
	14.28	-41.943	-13.000	28.943
	932.38	-29.891	-13.000	16.891
	3891.39	-28.774	-13.000	15.774
860.05	0.01	-47.524	-13.000	34.524
	0.18	-41.606	-13.000	28.606
	750.10	-29.841	-13.000	16.841
	3861.69	-28.101	-13.000	15.101
868.95	0.01	-45.922	-13.000	32.922
	28.54	-41.816	-13.000	28.816
	889.02	-30.188	-13.000	17.188
	3778.44	-28.462	-13.000	15.462

11K0F3E_High Power

Test Frequency (MHz)	Measured Frequency (MHz)	Result (dBm)	Limit (dBm)	Margin (dB)
138.05	0.01	-47.588	-20.000	27.588
	13.19	-42.168	-20.000	22.168
	857.69	-30.296	-20.000	10.296
	3808.14	-30.161	-20.000	10.161
150.05	0.01	-46.427	-20.000	26.427
	1.09	-41.669	-20.000	21.669
	880.87	-30.977	-20.000	10.977
	3814.44	-29.508	-20.000	9.508
162.05	0.01	-47.045	-20.000	27.045
	0.17	-41.801	-20.000	21.801
	876.12	-30.989	-20.000	10.989
	3906.70	-28.874	-20.000	8.874
173.95	0.01	-47.555	-20.000	27.555
	28.81	-41.955	-20.000	21.955
	905.90	-30.760	-20.000	10.760
	3897.24	-29.481	-20.000	9.481
406.15	0.01	-46.813	-20.000	26.813
	0.15	-41.813	-20.000	21.813
	941.60	-31.083	-20.000	11.083
	1218.71	-25.516	-20.000	5.516
429.95	0.01	-46.393	-20.000	26.393
	0.17	-41.970	-20.000	21.970
	821.89	-30.705	-20.000	10.705
	1289.81	-26.385	-20.000	6.385
469.95	0.01	-47.629	-20.000	27.629
	0.56	-41.767	-20.000	21.767
	873.40	-30.981	-20.000	10.981
	3903.55	-29.336	-20.000	9.336
511.95	0.01	-46.134	-20.000	26.134
	20.42	-42.306	-20.000	22.306
	935.20	-30.922	-20.000	10.922
	1535.98	-25.778	-20.000	5.778
768.05	0.01	-47.376	-13.000	34.376
	0.22	-41.874	-13.000	28.874
	904.54	-30.643	-13.000	17.643
	3852.69	-28.889	-13.000	15.889
769.05	0.01	-46.745	-13.000	33.745
	0.15	-41.993	-13.000	28.993
	967.89	-30.223	-13.000	17.223
	3853.14	-28.719	-13.000	15.719
774.95	0.01	-47.383	-13.000	34.383
	15.68	-42.135	-13.000	29.135
	896.59	-30.330	-13.000	17.330
	3831.99	-28.894	-13.000	15.894
775.95	0.01	-46.445	-13.000	33.445
	0.42	-41.780	-13.000	28.780
	839.06	-30.480	-13.000	17.480
	3869.34	-28.982	-13.000	15.982

Test Frequency (MHz)	Measured Frequency (MHz)	Result (dBm)	Limit (dBm)	Margin (dB)
798.05	0.01	-47.799	-13.000	34.799
	28.43	-42.182	-13.000	29.182
	892.03	-30.500	-13.000	17.500
	3829.74	-28.892	-13.000	15.892
799.05	0.12	-45.912	-13.000	32.912
	24.32	-42.057	-13.000	29.057
	742.44	-30.024	-13.000	17.024
	3849.54	-28.616	-13.000	15.616
804.95	0.01	-45.891	-13.000	32.891
	22.93	-41.497	-13.000	28.497
	880.29	-30.205	-13.000	17.205
	3887.34	-28.775	-13.000	15.775
805.95	0.01	-45.702	-13.000	32.702
	0.19	-42.041	-13.000	29.041
	904.64	-30.223	-13.000	17.223
	3834.69	-28.388	-13.000	15.388
806.05	0.01	-46.259	-20.000	26.259
	0.25	-42.095	-20.000	22.095
	915.80	-30.258	-20.000	10.258
	3864.84	-28.531	-20.000	8.531
815.05	0.01	-46.346	-20.000	26.346
	4.67	-41.798	-20.000	21.798
	989.33	-30.083	-20.000	10.083
	3852.69	-29.031	-20.000	9.031
823.95	0.01	-46.306	-20.000	26.306
	0.83	-41.366	-20.000	21.366
	860.21	-30.241	-20.000	10.241
	3897.24	-28.678	-20.000	8.678
851.05	0.01	-46.035	-20.000	26.035
	0.17	-41.810	-20.000	21.810
	890.09	-30.071	-20.000	10.071
	3869.79	-28.751	-20.000	8.751
860.05	0.01	-46.390	-20.000	26.390
	0.16	-41.911	-20.000	21.911
	822.28	-30.004	-20.000	10.004
	3859.89	-28.827	-20.000	8.827
868.95	0.01	-46.687	-20.000	26.687
	0.15	-41.413	-20.000	21.413
	901.44	-30.260	-20.000	10.260
	8042.40	-28.736	-20.000	8.736

4K00F1E, 4K00F1D, 4K00F7W_High Power

Test Frequency (MHz)	Measured Frequency (MHz)	Result (dBm)	Limit (dBm)	Margin (dB)
138.05	0.08	-47.497	-25.000	22.497
	0.18	-52.029	-25.000	27.029
	414.16	-33.854	-25.000	8.854
	3871.14	-29.037	-25.000	4.037
150.05	0.08	-49.374	-25.000	24.374
	10.25	-51.849	-25.000	26.849
	450.15	-38.208	-25.000	13.208
	3824.79	-28.848	-25.000	3.848
162.05	0.09	-49.404	-25.000	24.404
	1.46	-52.203	-25.000	27.203
	876.80	-40.369	-25.000	15.369
	3867.09	-28.516	-25.000	3.516
173.95	0.08	-49.873	-25.000	24.873
	0.26	-51.576	-25.000	26.576
	347.90	-39.218	-25.000	14.218
	3825.24	-28.744	-25.000	3.744
406.15	0.08	-47.619	-25.000	22.619
	0.17	-51.772	-25.000	26.772
	812.29	-39.411	-25.000	14.411
	3800.94	-28.850	-25.000	3.850
429.95	0.09	-50.264	-25.000	25.264
	0.18	-50.842	-25.000	25.842
	885.43	-40.432	-25.000	15.432
	3863.04	-28.899	-25.000	3.899
469.95	0.09	-49.223	-25.000	24.223
	0.18	-51.523	-25.000	26.523
	889.60	-40.454	-25.000	15.454
	3848.19	-28.748	-25.000	3.748
511.95	0.08	-49.045	-25.000	24.045
	0.18	-52.121	-25.000	27.121
	732.93	-40.587	-25.000	15.587
	3932.80	-29.273	-25.000	4.273
768.05	0.08	-46.557	-13.000	33.557
	13.66	-51.686	-13.000	38.686
	905.12	-39.613	-13.000	26.613
	3849.99	-28.544	-13.000	15.544
769.05	0.08	-49.029	-13.000	36.029
	0.38	-51.796	-13.000	38.796
	907.55	-39.141	-13.000	26.141
	3884.64	-28.473	-13.000	15.473
774.95	0.08	-48.800	-13.000	35.800
	0.17	-51.230	-13.000	38.230
	902.70	-39.497	-13.000	26.497
	3842.79	-28.169	-13.000	15.169
775.95	0.09	-49.013	-13.000	36.013
	0.40	-51.529	-13.000	38.529
	901.54	-39.868	-13.000	26.868
	3829.74	-28.103	-13.000	15.103
798.05	0.09	-48.580	-13.000	35.580
	0.18	-51.588	-13.000	38.588
	916.86	-40.014	-13.000	27.014
	3866.19	-28.572	-13.000	15.572

Test Frequency (MHz)	Measured Frequency (MHz)	Result (dBm)	Limit (dBm)	Margin (dB)
799.05	0.09	-48.622	-13.000	35.622
	0.36	-51.875	-13.000	38.875
	916.67	-40.137	-13.000	27.137
	3892.74	-28.814	-13.000	15.814
804.95	0.09	-49.510	-13.000	36.510
	0.17	-51.440	-13.000	38.440
	873.21	-39.964	-13.000	26.964
	3864.84	-29.024	-13.000	16.024
805.95	0.09	-48.687	-13.000	35.687
	0.18	-51.572	-13.000	38.572
	904.06	-39.366	-13.000	26.366
	3885.54	-28.039	-13.000	15.039
806.05	0.09	-48.654	-25.000	23.654
	0.15	-51.156	-25.000	26.156
	913.08	-39.764	-25.000	14.764
	3847.29	-28.276	-25.000	3.276
815.05	0.09	-49.546	-25.000	24.546
	18.99	-51.918	-25.000	26.918
	740.40	-40.137	-25.000	15.137
	3857.19	-28.279	-25.000	3.279
823.95	0.09	-49.088	-25.000	24.088
	18.92	-51.724	-25.000	26.724
	874.57	-40.320	-25.000	15.320
	3883.74	-28.875	-25.000	3.875
851.05	0.09	-49.029	-25.000	24.029
	29.83	-51.625	-25.000	26.625
	924.72	-40.194	-25.000	15.194
	3911.20	-28.798	-25.000	3.798
860.05	0.09	-48.428	-25.000	23.428
	1.06	-51.800	-25.000	26.800
	925.79	-40.257	-25.000	15.257
	3924.70	-28.749	-25.000	3.749
868.95	0.09	-48.947	-25.000	23.947
	0.64	-50.991	-25.000	25.991
	938.88	-40.055	-25.000	15.055
	3848.64	-28.376	-25.000	3.376

4K00F2D_High Power

Test Frequency (MHz)	Measured Frequency (MHz)	Result (dBm)	Limit (dBm)	Margin (dB)
138.05	0.09	-49.849	-25.000	24.849
	17.37	-51.719	-25.000	26.719
	414.06	-34.042	-25.000	9.042
	3806.79	-29.089	-25.000	4.089
150.05	0.09	-49.547	-25.000	24.547
	18.54	-52.166	-25.000	27.166
	450.15	-38.132	-25.000	13.132
	3875.64	-29.049	-25.000	4.049
162.05	0.09	-48.973	-25.000	23.973
	23.61	-52.096	-25.000	27.096
	875.83	-40.142	-25.000	15.142
	3855.39	-28.949	-25.000	3.949
173.95	0.09	-50.106	-25.000	25.106
	0.18	-51.501	-25.000	26.501
	347.90	-38.936	-25.000	13.936
	3878.79	-28.955	-25.000	3.955
406.15	0.08	-49.659	-25.000	24.659
	0.18	-51.717	-25.000	26.717
	812.29	-40.489	-25.000	15.489
	3931.45	-29.126	-25.000	4.126
429.95	0.09	-49.874	-25.000	24.874
	0.26	-51.934	-25.000	26.934
	893.77	-40.441	-25.000	15.441
	3858.54	-29.092	-25.000	4.092
469.95	0.09	-49.165	-25.000	24.165
	0.17	-51.995	-25.000	26.995
	863.22	-40.507	-25.000	15.507
	3809.49	-29.062	-25.000	4.062
511.95	0.09	-49.670	-25.000	24.670
	0.19	-51.567	-25.000	26.567
	826.16	-40.340	-25.000	15.340
	3828.84	-29.029	-25.000	4.029
768.05	0.08	-49.026	-13.000	36.026
	13.26	-51.712	-13.000	38.712
	903.48	-38.788	-13.000	25.788
	3854.94	-27.784	-13.000	14.784
769.05	0.09	-49.345	-13.000	36.345
	0.18	-51.087	-13.000	38.087
	907.55	-37.870	-13.000	24.870
	3916.60	-28.494	-13.000	15.494
774.95	0.09	-49.625	-13.000	36.625
	0.26	-51.877	-13.000	38.877
	828.10	-39.730	-13.000	26.730
	3767.64	-28.725	-13.000	15.725
775.95	0.08	-49.897	-13.000	36.897
	0.95	-51.862	-13.000	38.862
	935.10	-39.963	-13.000	26.963
	3844.59	-28.881	-13.000	15.881
798.05	0.09	-50.358	-13.000	37.358
	0.37	-51.771	-13.000	38.771
	940.82	-40.061	-13.000	27.061
	3870.24	-28.369	-13.000	15.369

Test Frequency (MHz)	Measured Frequency (MHz)	Result (dBm)	Limit (dBm)	Margin (dB)
799.05	0.09	-49.462	-13.000	36.462
	21.24	-51.782	-13.000	38.782
	909.88	-39.929	-13.000	26.929
	3817.14	-28.560	-13.000	15.560
804.95	0.09	-48.589	-13.000	35.589
	0.18	-50.957	-13.000	37.957
	857.78	-39.990	-13.000	26.990
	3860.79	-28.228	-13.000	15.228
805.95	0.09	-50.326	-13.000	37.326
	7.22	-51.858	-13.000	38.858
	947.32	-40.029	-13.000	27.029
	3802.74	-28.473	-13.000	15.473
806.05	0.09	-49.100	-25.000	24.100
	0.27	-51.347	-25.000	26.347
	778.82	-39.634	-25.000	14.634
	3854.49	-28.621	-25.000	3.621
815.05	0.09	-48.851	-25.000	23.851
	3.96	-51.807	-25.000	26.807
	894.26	-40.040	-25.000	15.040
	3816.24	-27.868	-25.000	2.868
823.95	0.09	-49.568	-25.000	24.568
	14.33	-51.917	-25.000	26.917
	890.09	-40.084	-25.000	15.084
	3886.89	-28.889	-25.000	3.889
851.05	0.09	-48.651	-25.000	23.651
	22.86	-51.688	-25.000	26.688
	958.87	-40.171	-25.000	15.171
	3865.74	-28.530	-25.000	3.530
860.05	0.09	-49.769	-25.000	24.769
	0.18	-51.464	-25.000	26.464
	910.85	-39.949	-25.000	14.949
	3809.49	-28.441	-25.000	3.441
868.95	0.08	-46.621	-25.000	21.621
	0.17	-51.902	-25.000	26.902
	942.47	-40.025	-25.000	15.025
	3800.49	-28.105	-25.000	3.105

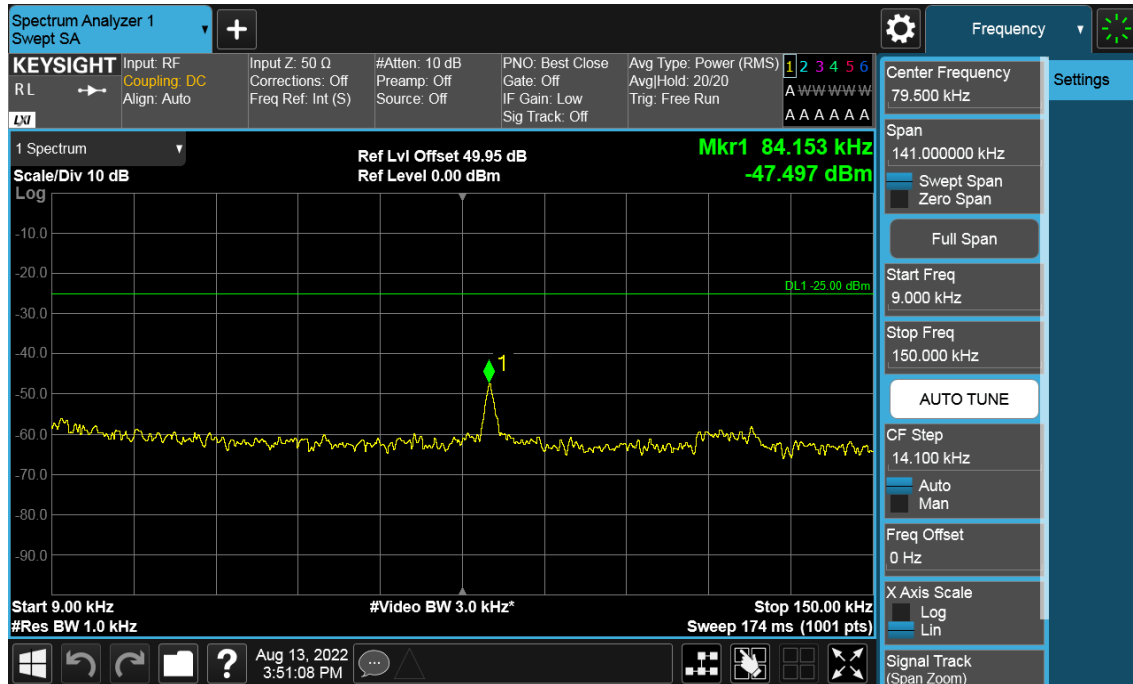
Plots of Unwanted Emissions : Conducted Spurious Emission

4K00F1E, 4K00F1D, 4K00F7W

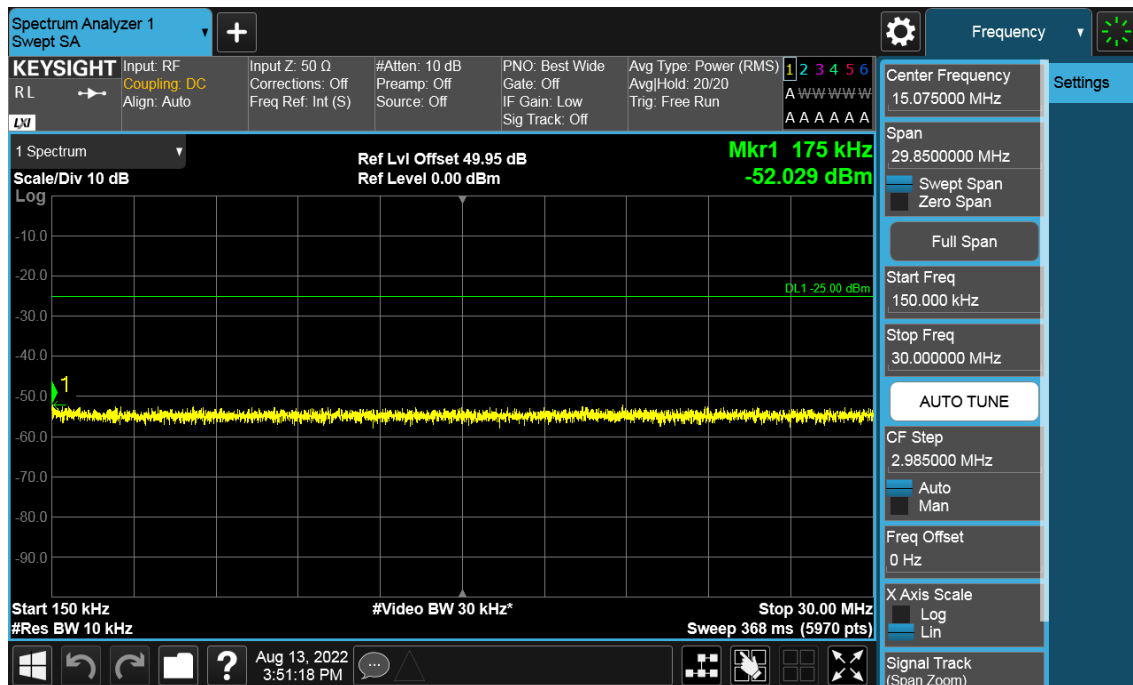
High Power

138.05MHz

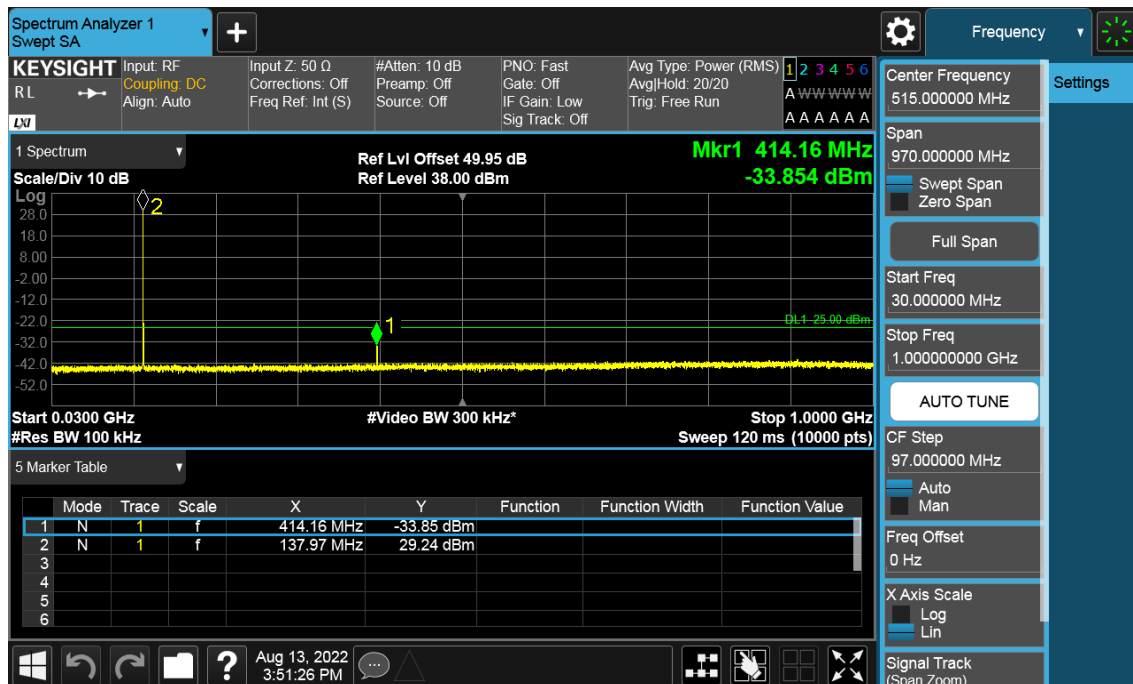
9kHz~150kHz



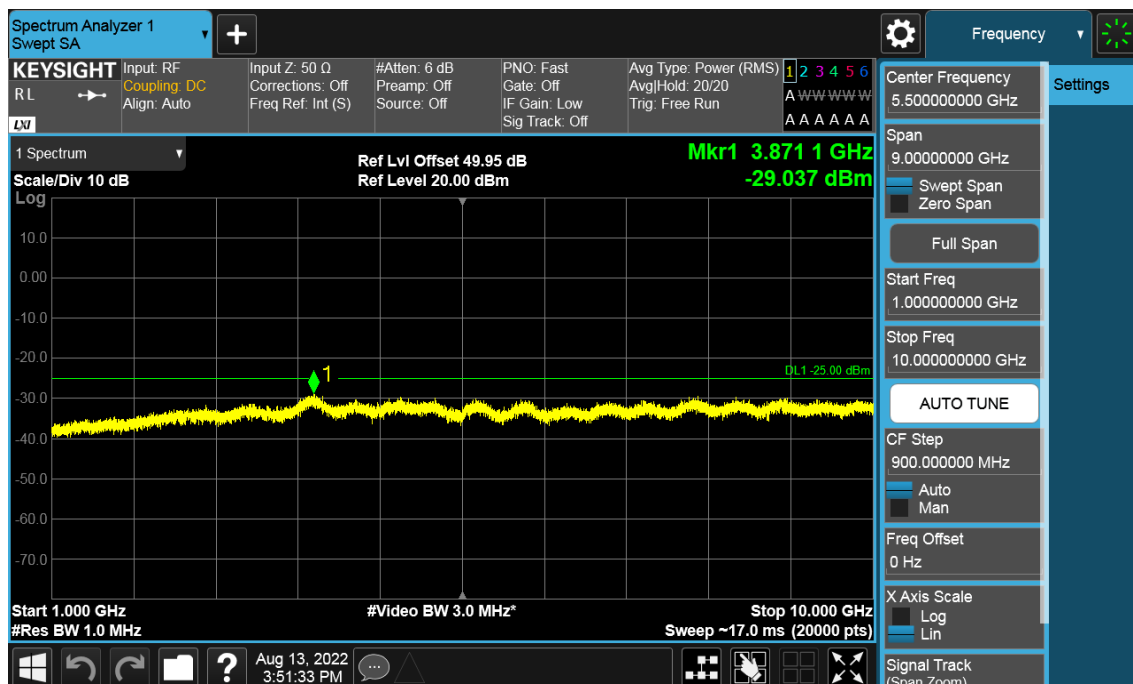
150kHz~30MHz



30MHz~1GHz

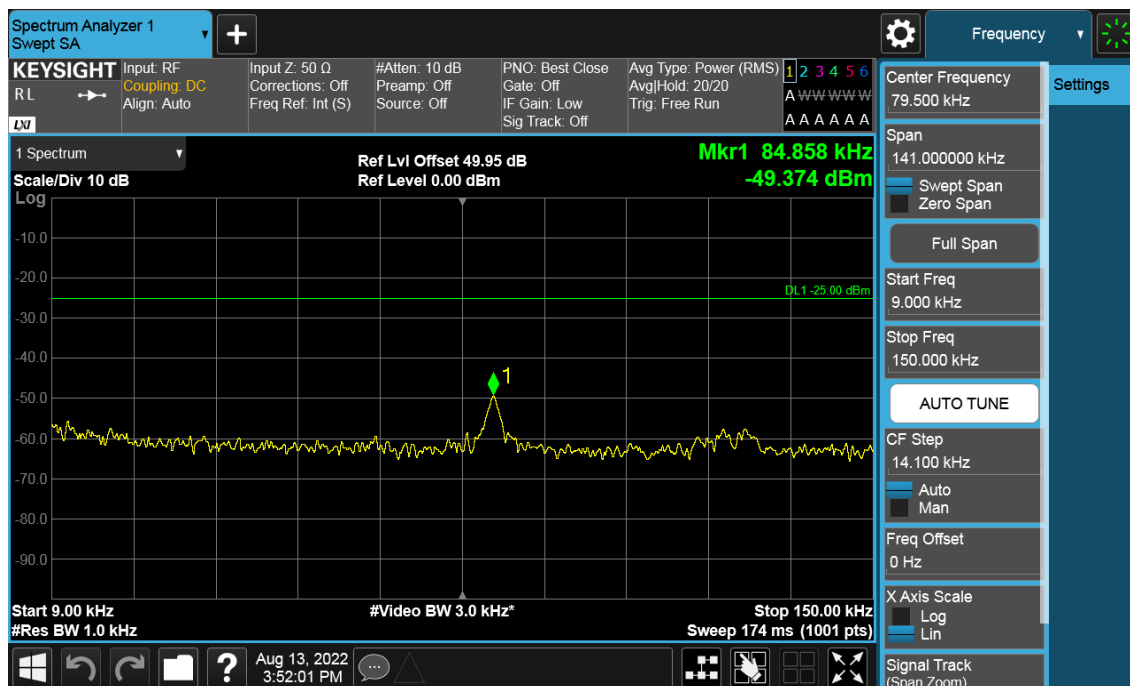


1GHz~10GHz

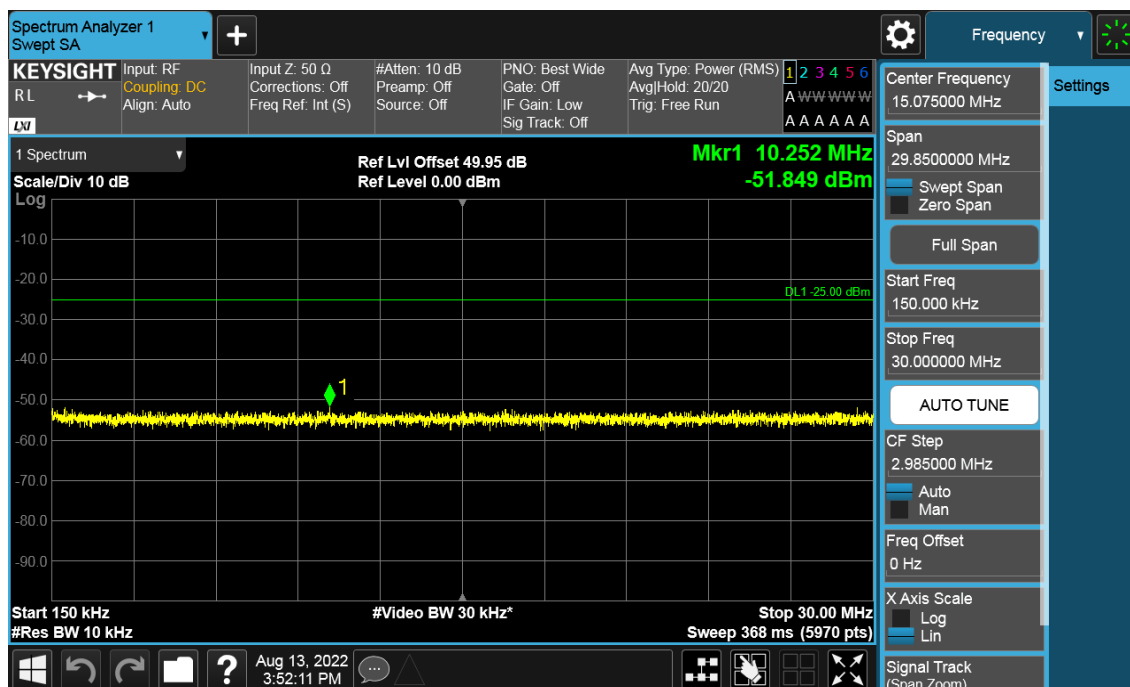


150.05MHz

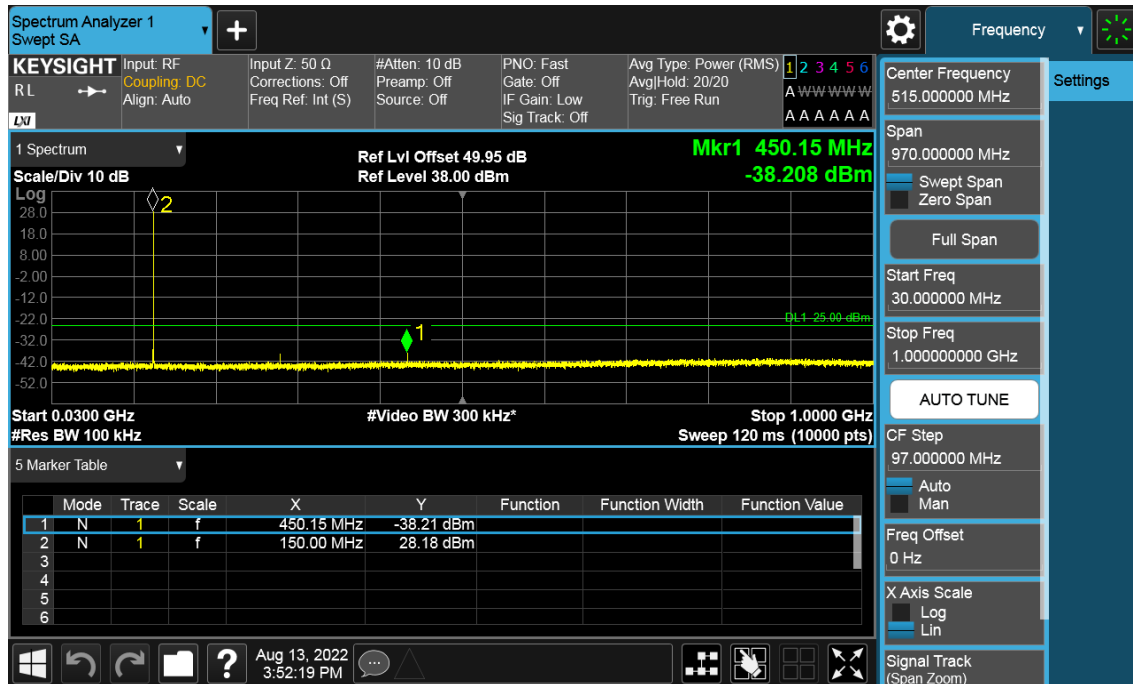
9kHz~150kHz



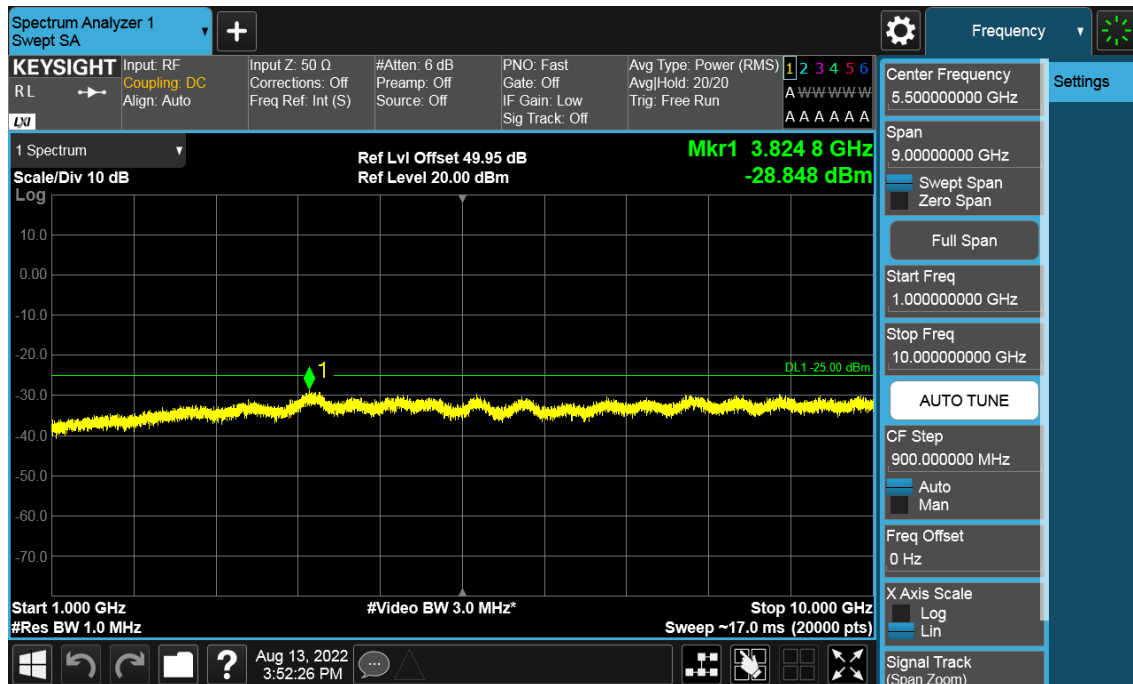
150kHz~30MHz



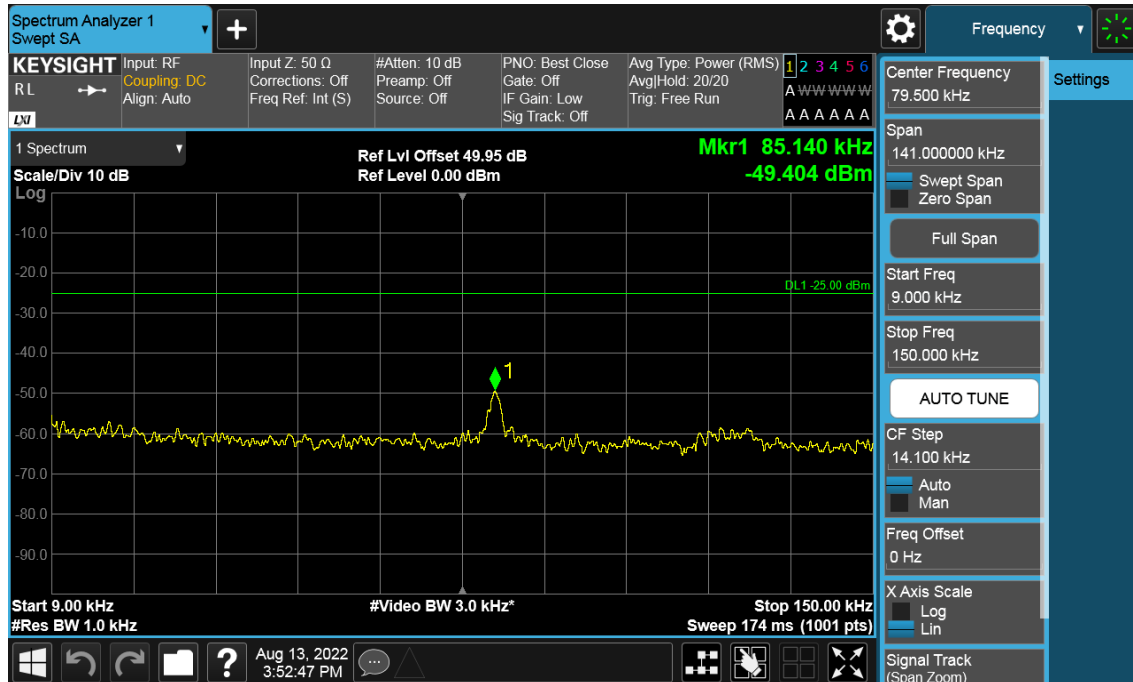
30MHz~1GHz



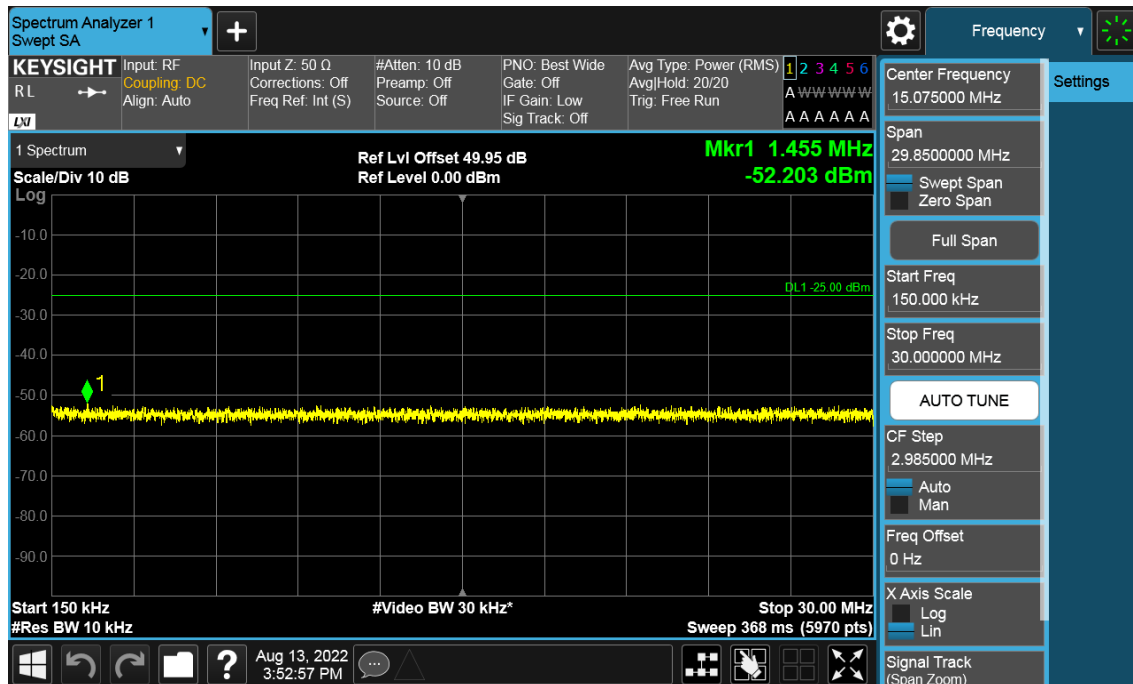
1GHz~10GHz



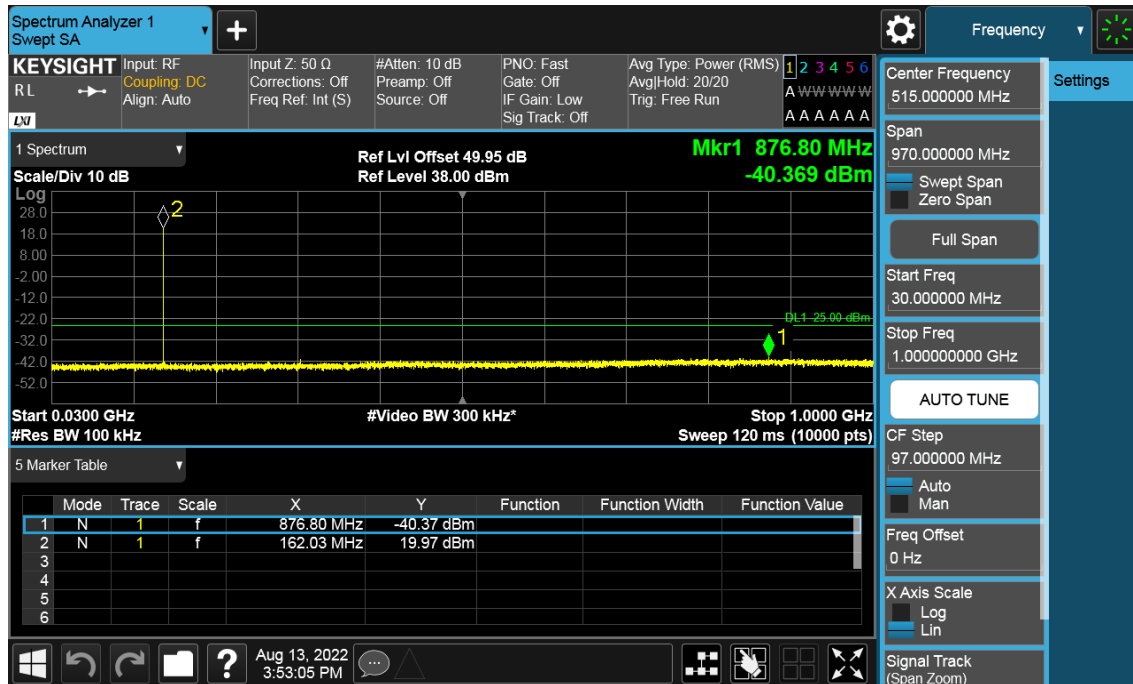
162.05MHz
9kHz~150kHz



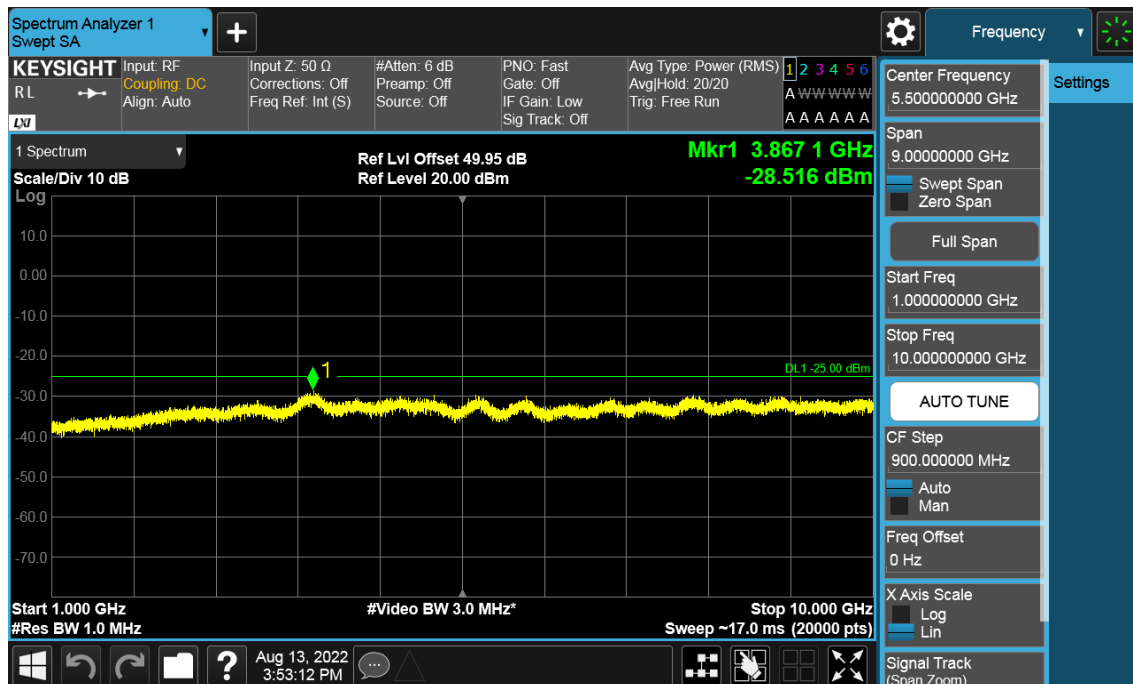
150kHz~30MHz



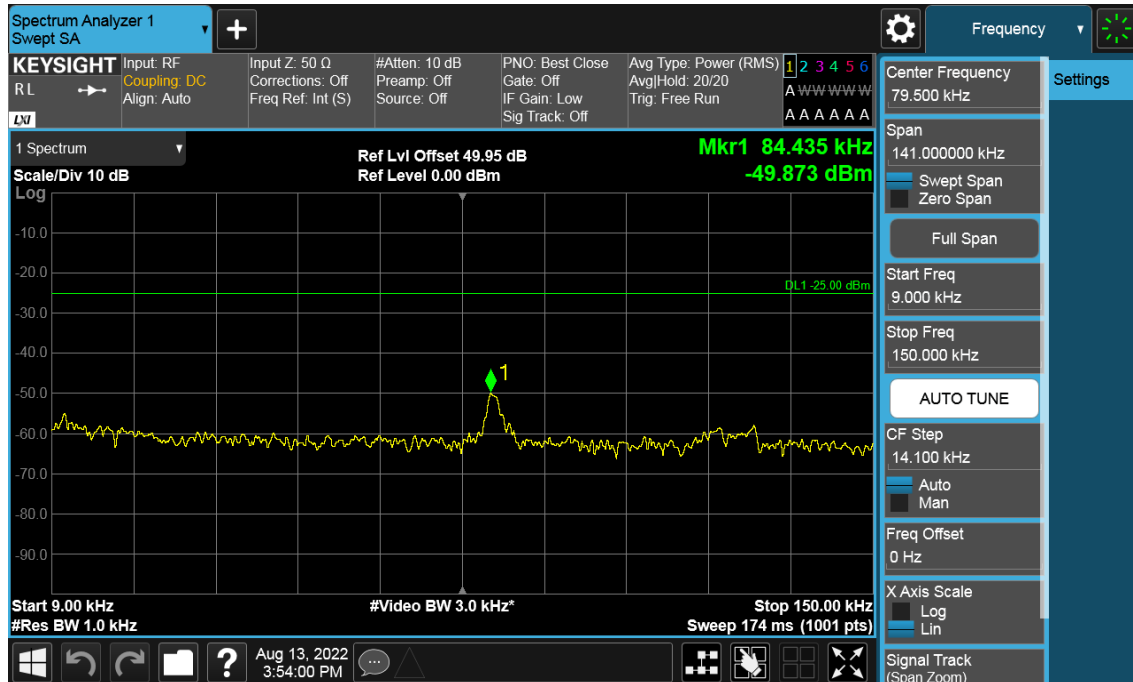
30MHz~1GHz



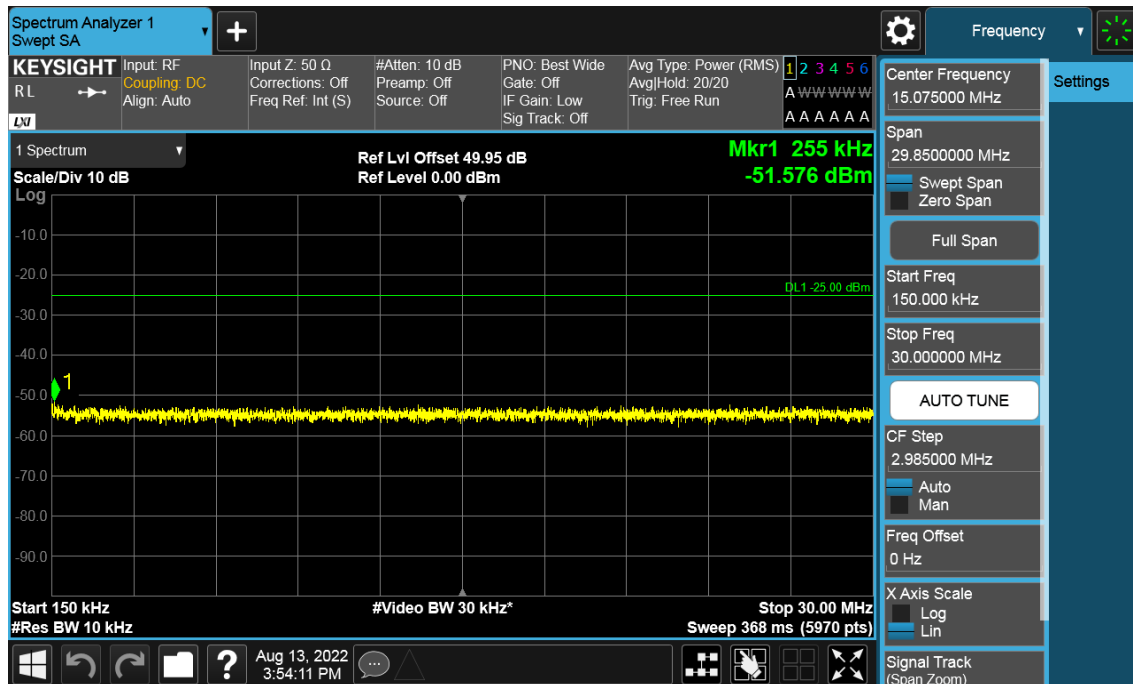
1GHz~10GHz



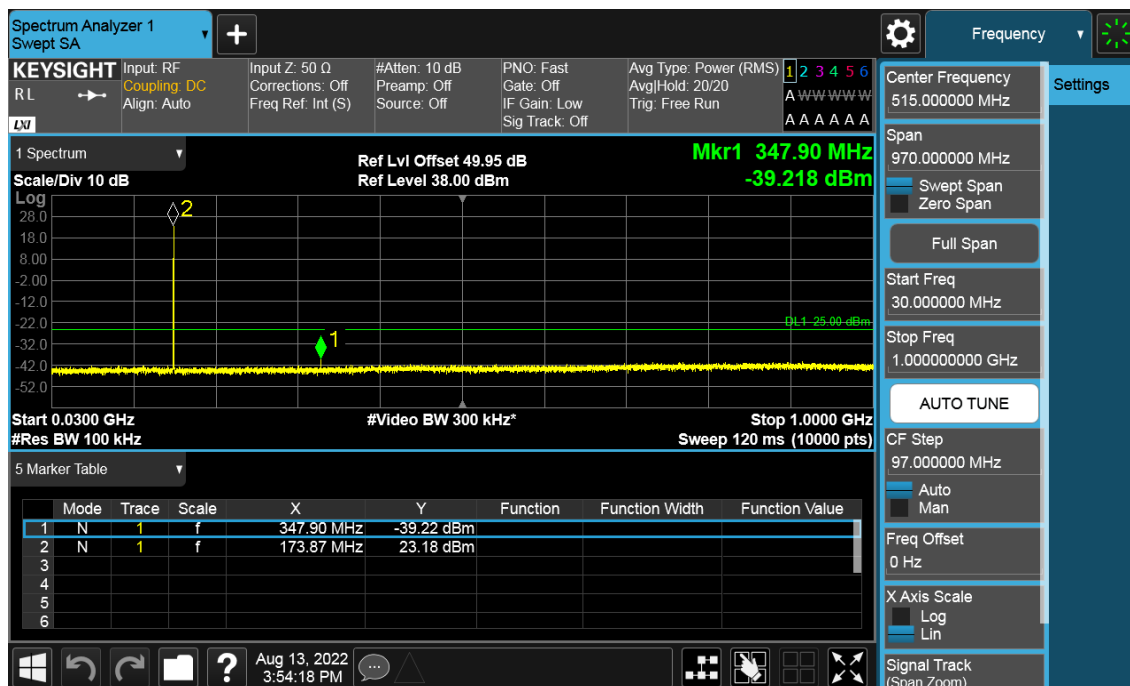
173.95MHz
9kHz~150kHz



150kHz~30MHz



30MHz~1GHz



1GHz~10GHz

