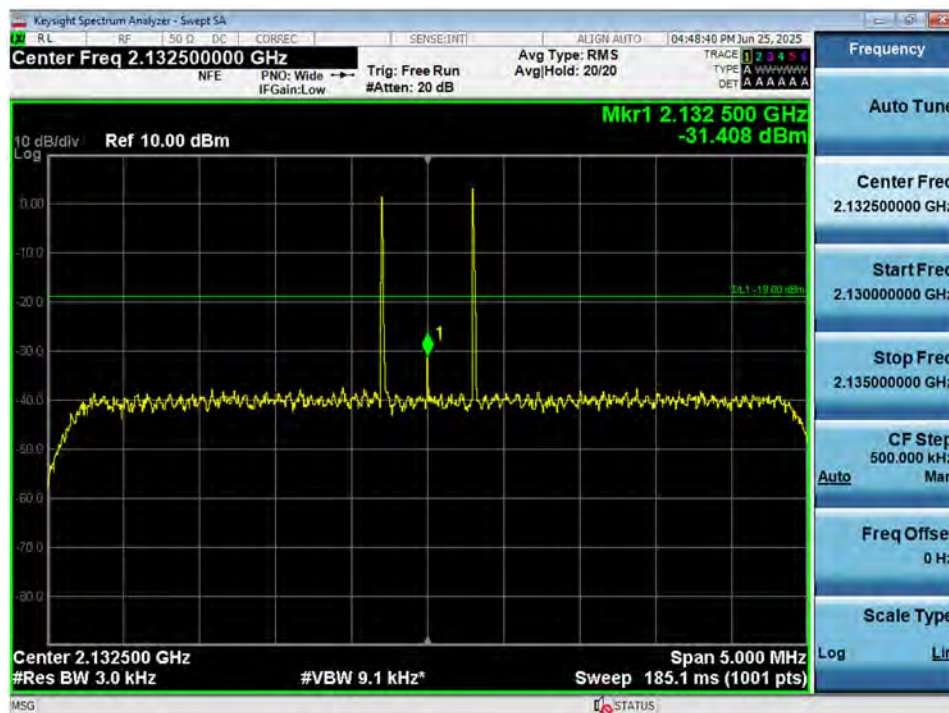


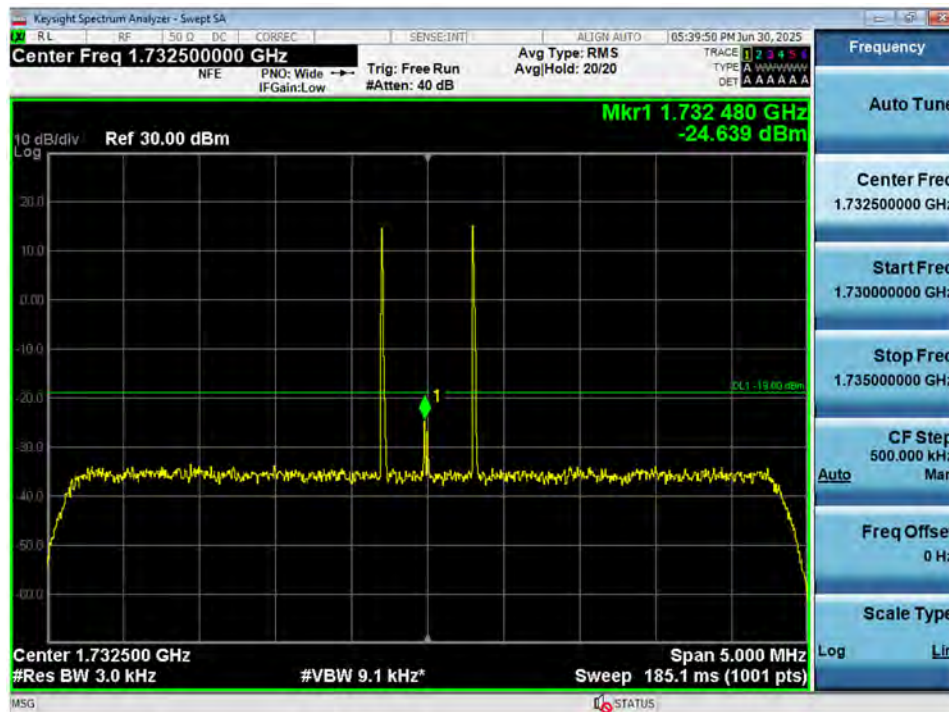
Intermodulation / AWS-1 / Downlink / AGC threshold / ANT 1



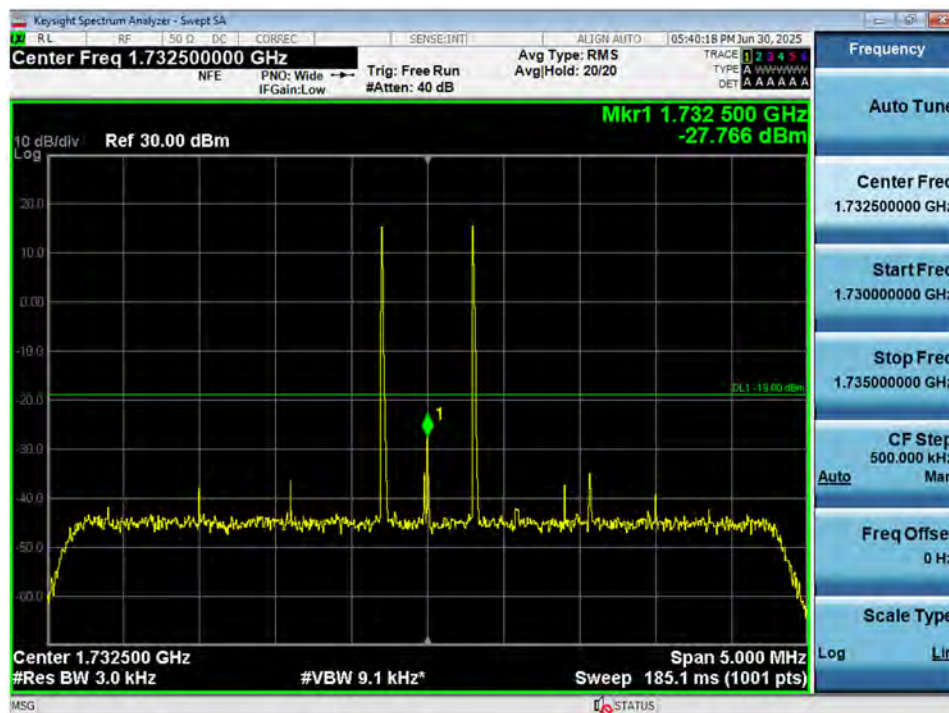
Intermodulation / AWS-1 / Downlink / AGC threshold +10 dB / ANT 1



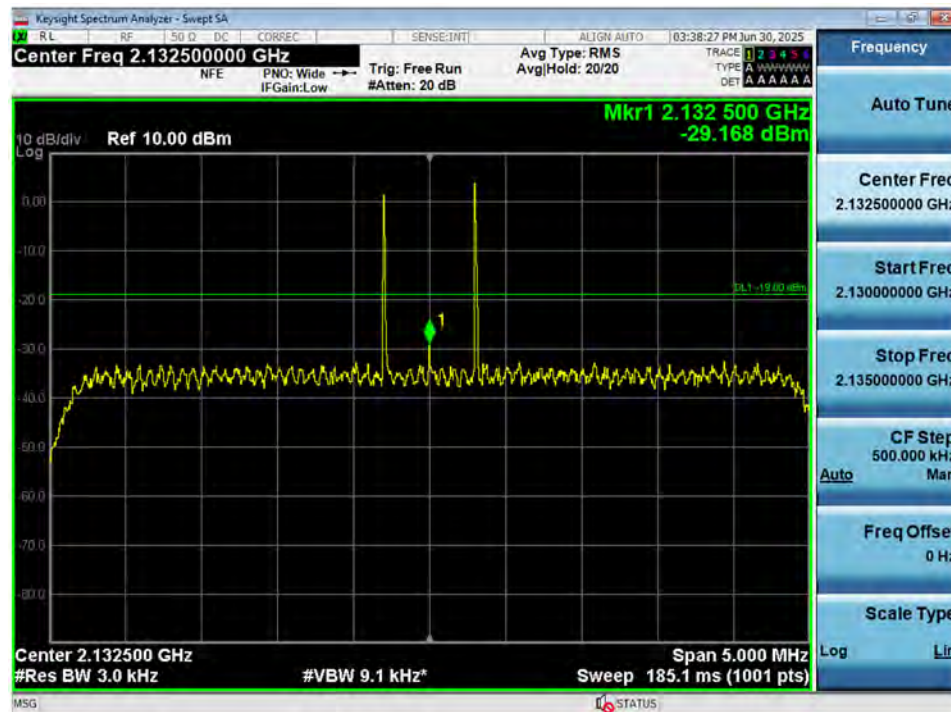
Intermodulation / AWS-1 / Uplink / AGC threshold / ANT 2



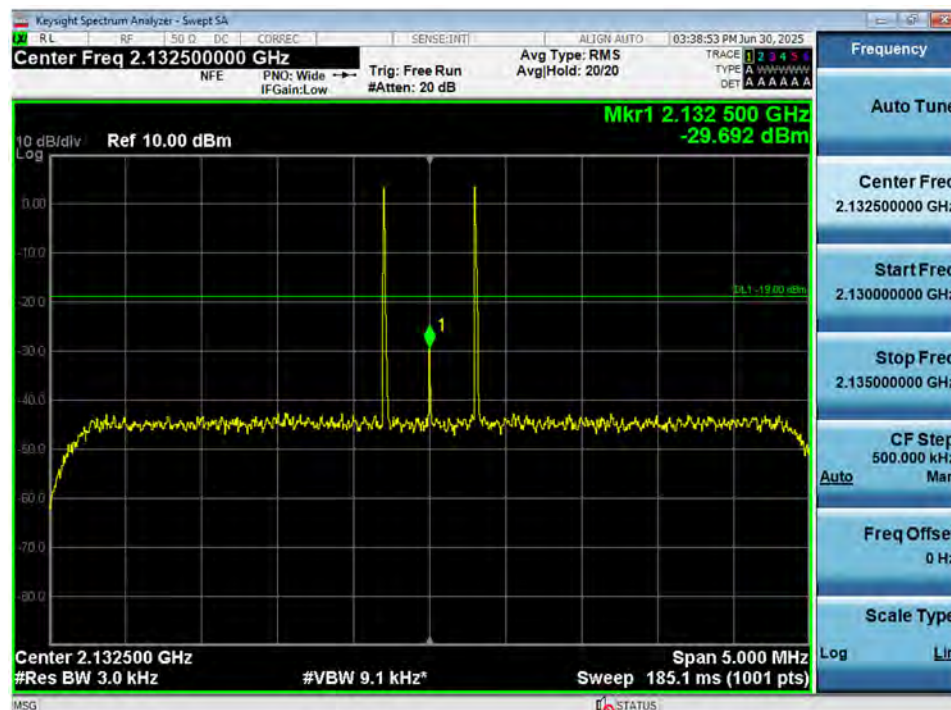
Intermodulation / AWS-1 / Uplink / AGC threshold +10 dB / ANT 2



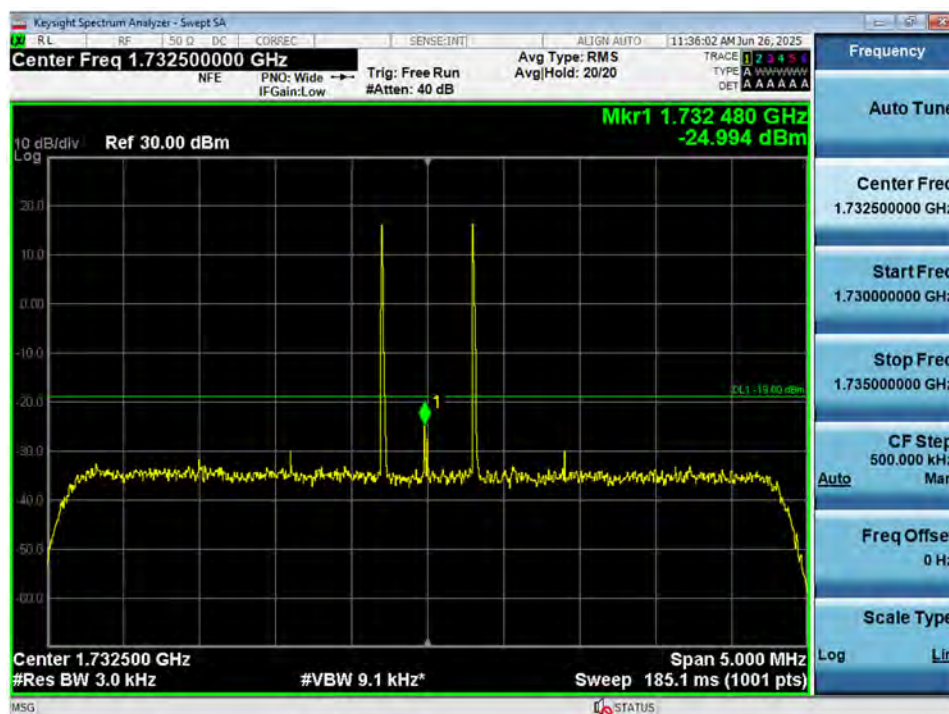
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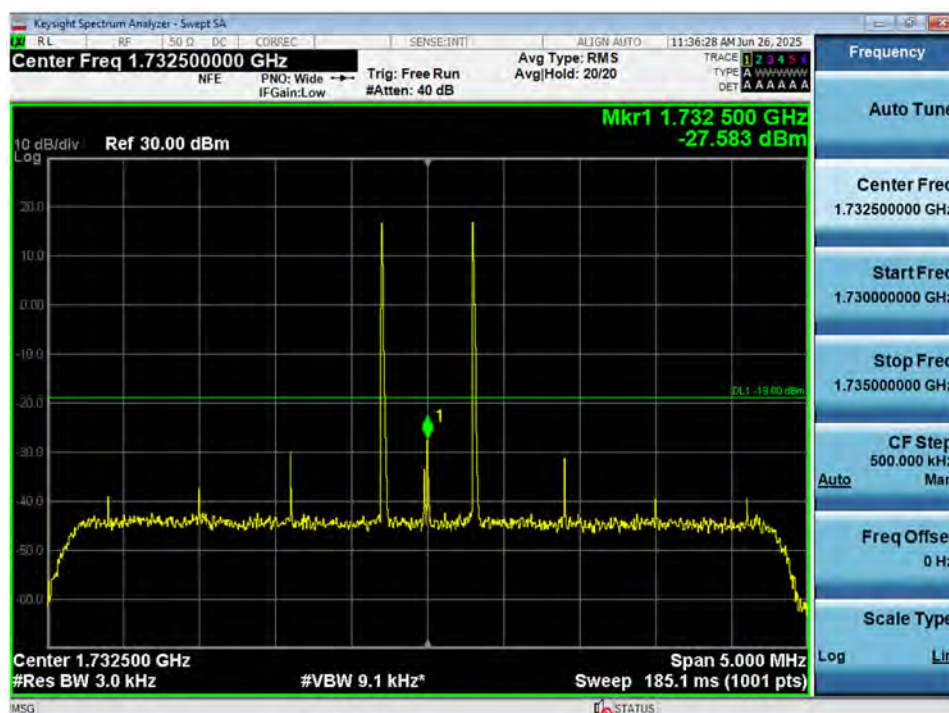
Intermodulation / AWS-1 / Downlink / AGC threshold +10 dB / ANT 2



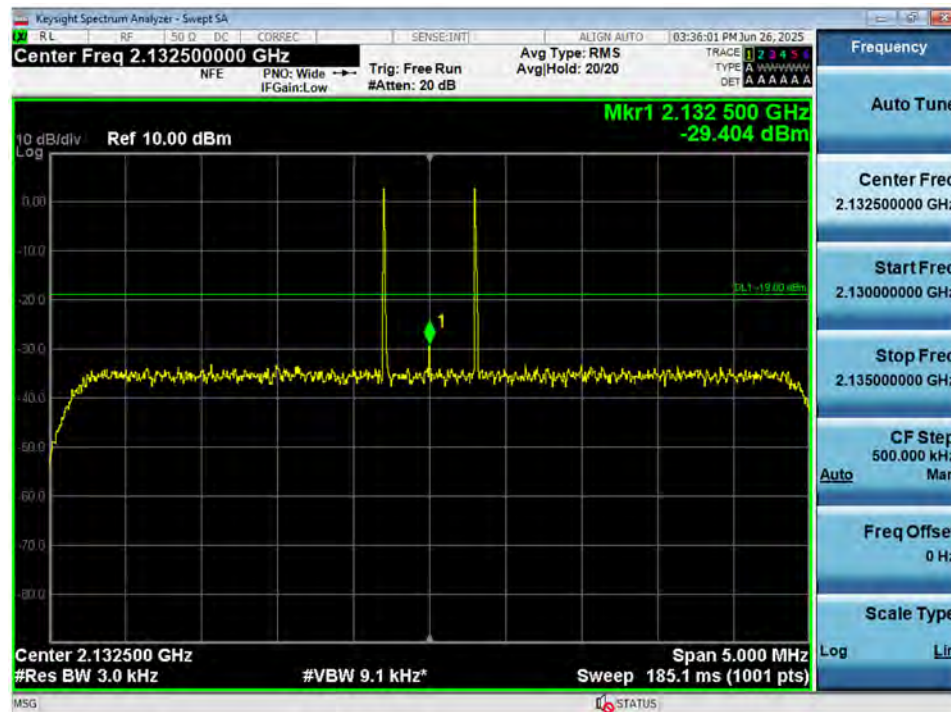
Intermodulation / AWS-1 / Uplink / AGC threshold / ANT 3



Intermodulation / AWS-1 / Uplink / AGC threshold +10 dB / ANT 3



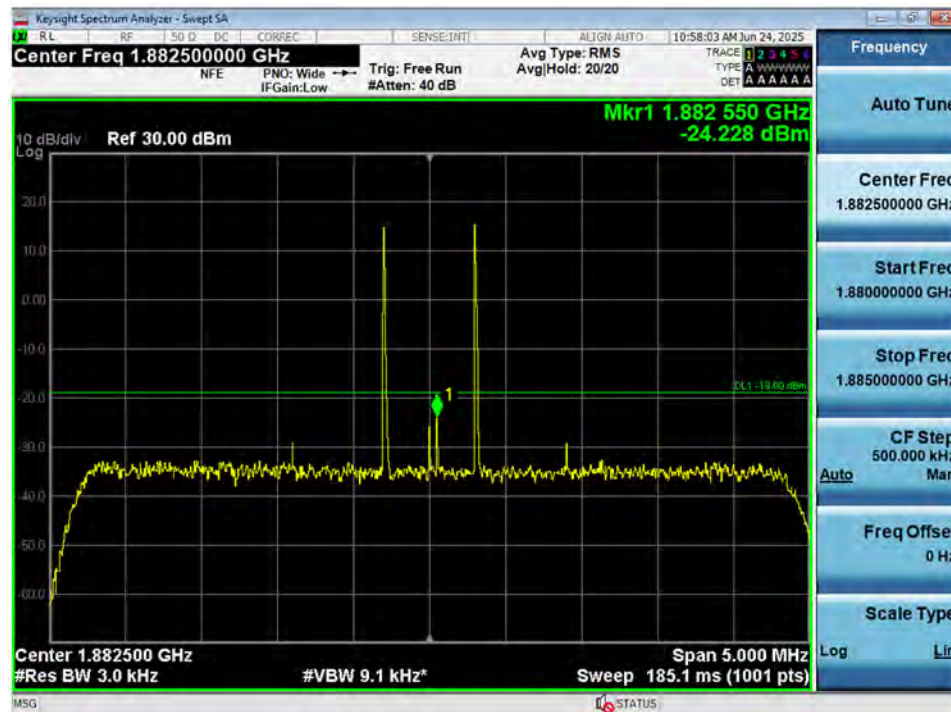
Intermodulation / AWS-1 / Downlink / AGC threshold / ANT 3



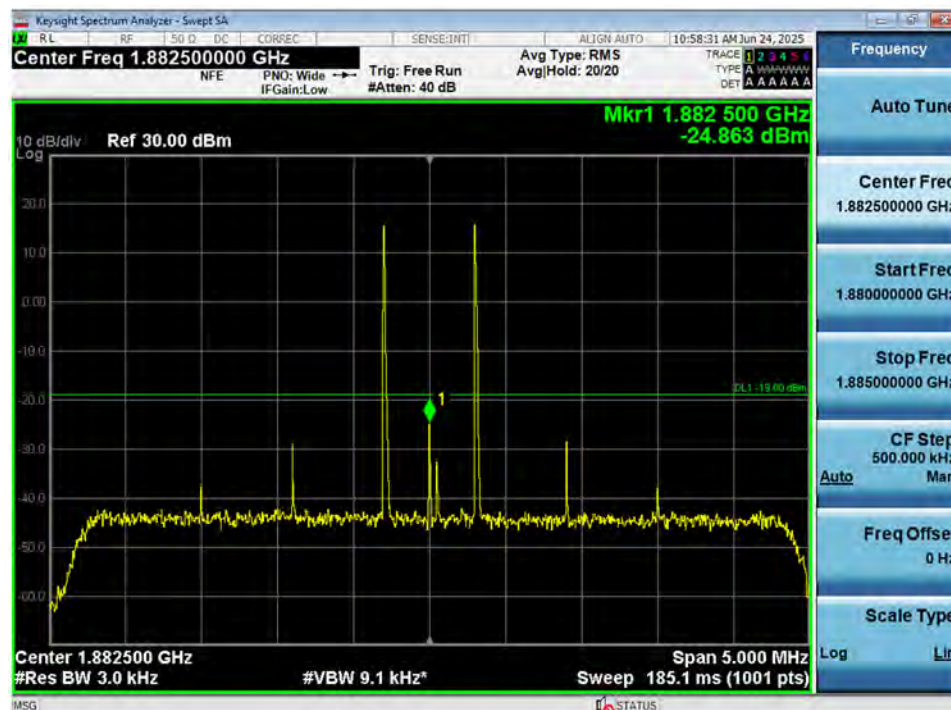
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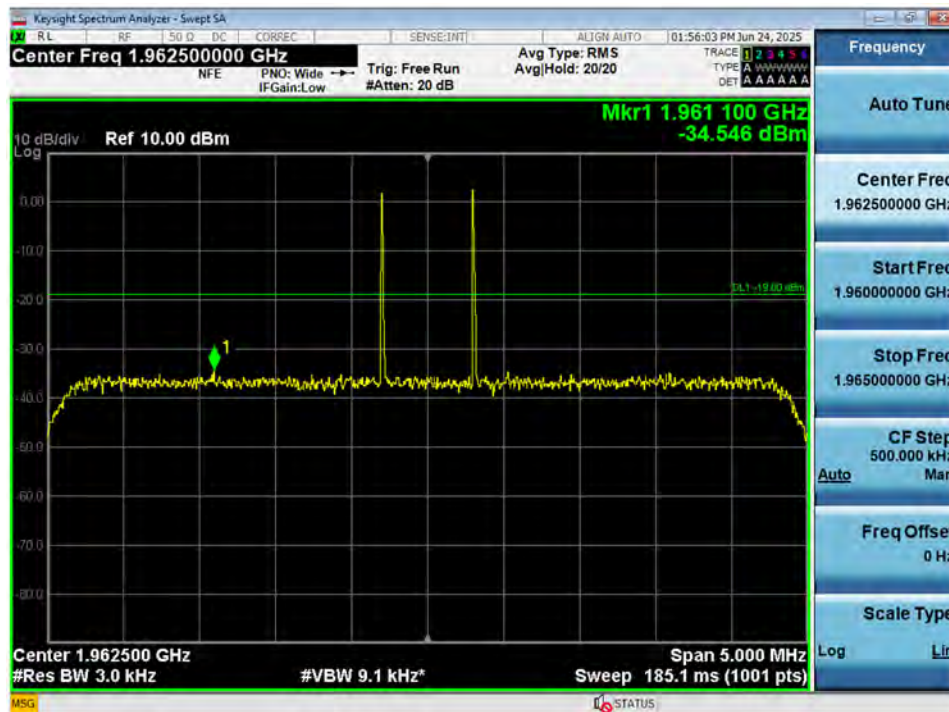
Intermodulation / Broadband PCS / Uplink / AGC threshold / ANT 1



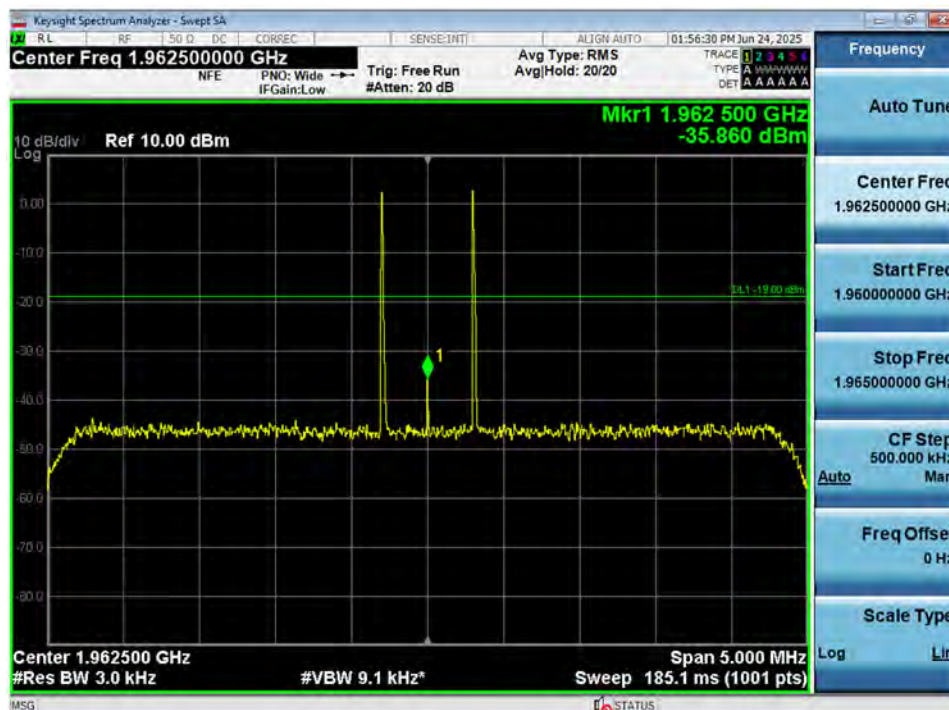
Intermodulation / Broadband PCS / Uplink / AGC threshold +10 dB / ANT 1



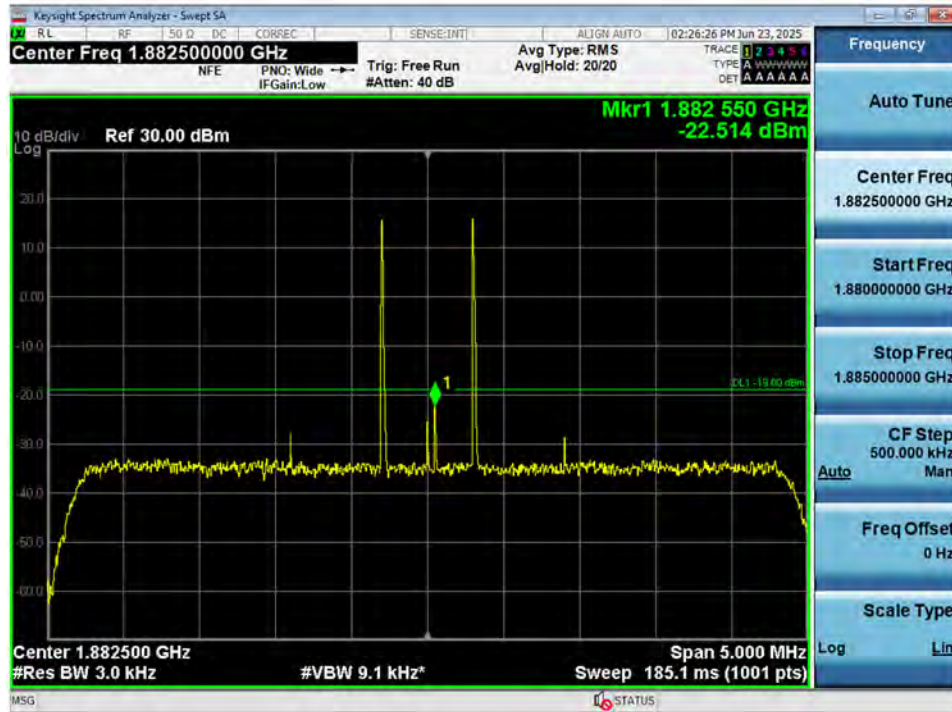
Intermodulation / Broadband PCS / Downlink / AGC threshold / ANT 1



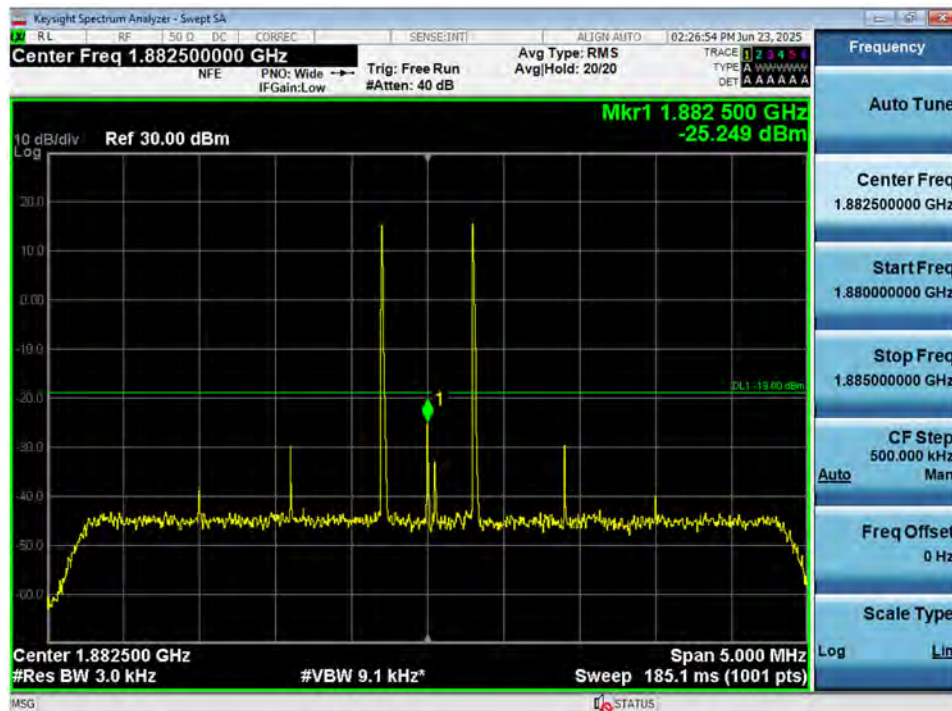
Intermodulation / Broadband PCS / Downlink / AGC threshold +10 dB / ANT 1



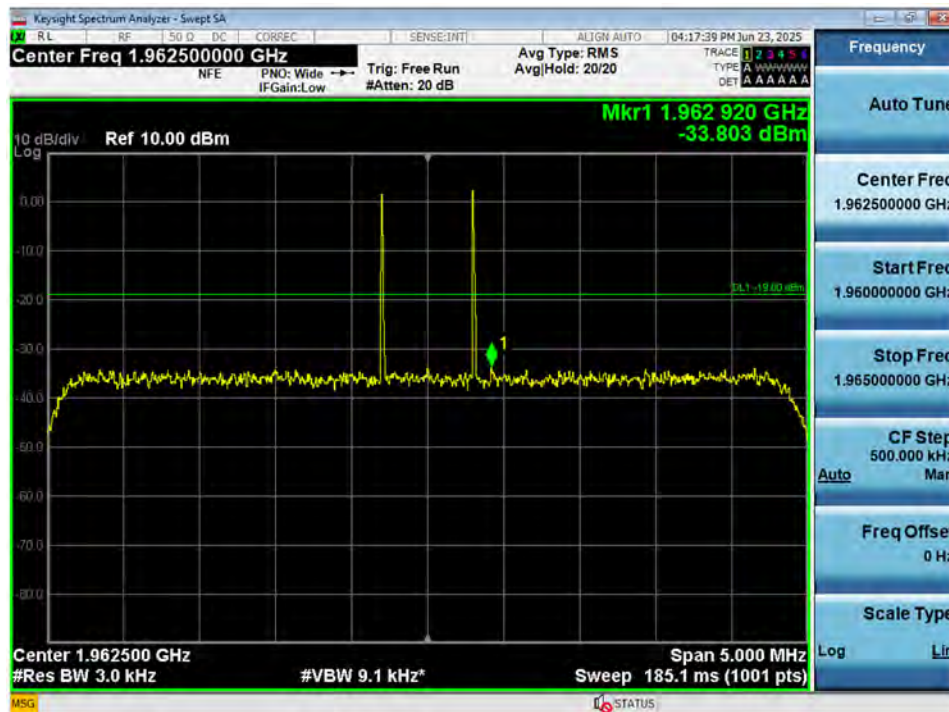
Intermodulation / Broadband PCS / Uplink / AGC threshold / ANT 2



Intermodulation / Broadband PCS / Uplink / AGC threshold +10 dB / ANT 2



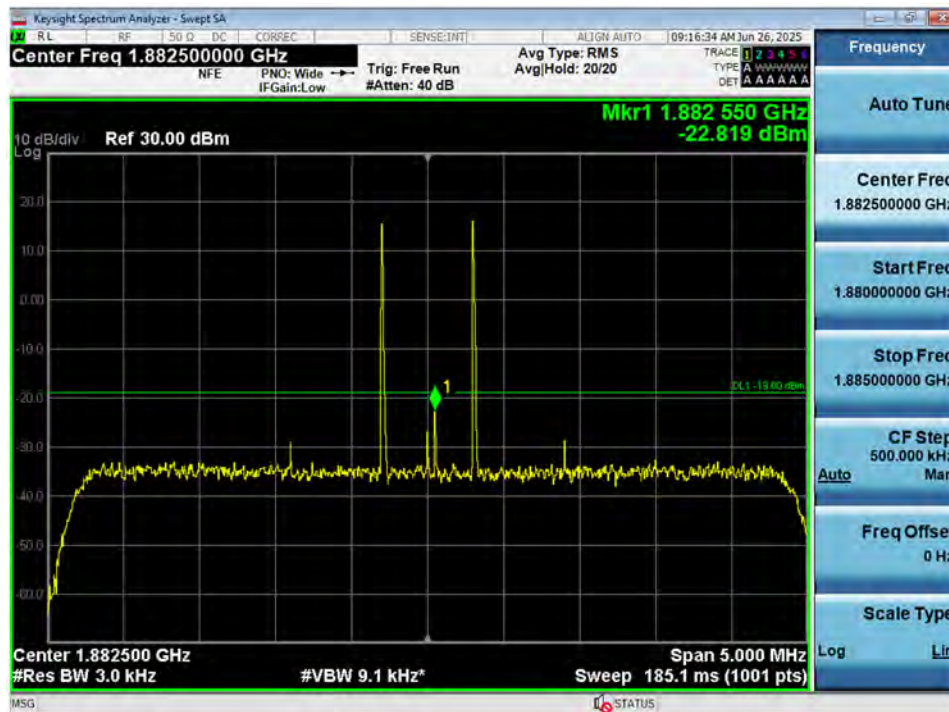
Intermodulation / Broadband PCS / Downlink / AGC threshold / ANT 2



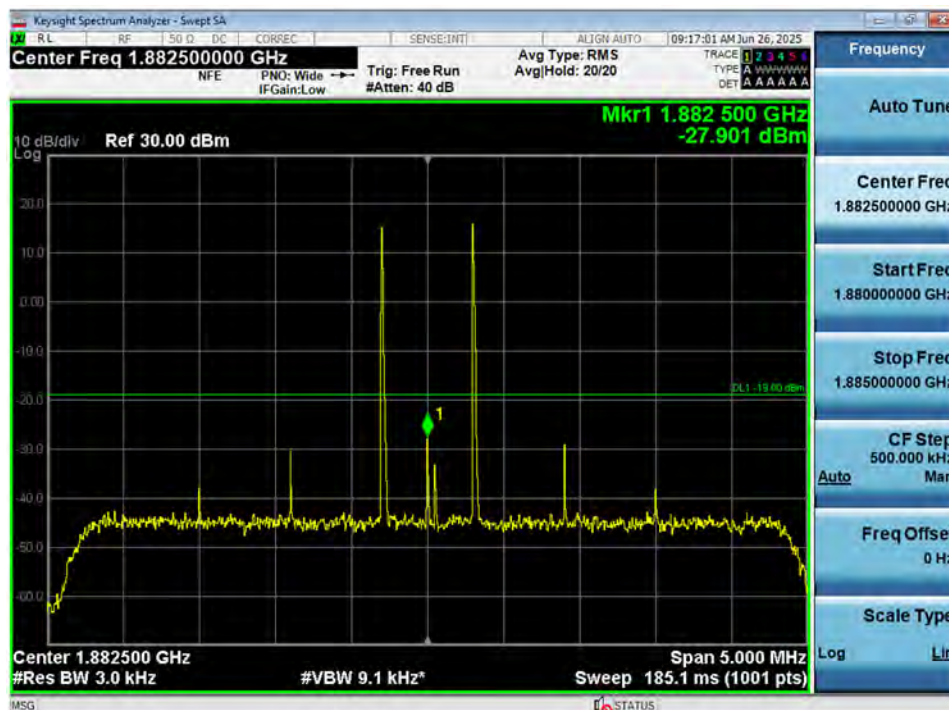
Intermodulation / Broadband PCS / Downlink / AGC threshold +10 dB / ANT 2



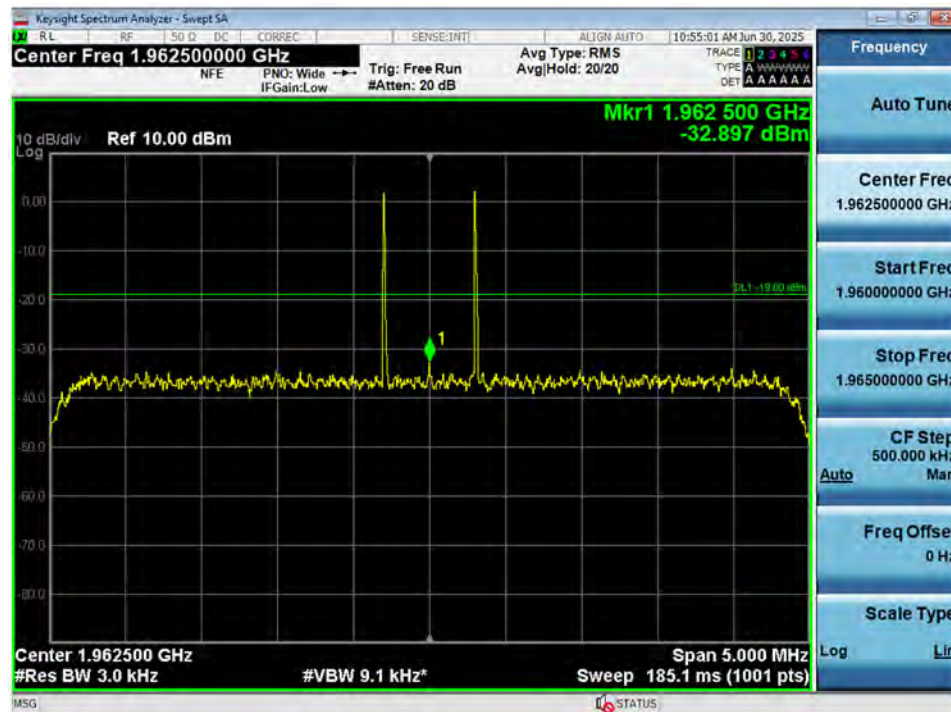
Intermodulation / Broadband PCS / Uplink / AGC threshold / ANT 3



Intermodulation / Broadband PCS / Uplink / AGC threshold +10 dB / ANT 3



Intermodulation / Broadband PCS / Downlink / AGC threshold / ANT 3



Intermodulation / Broadband PCS / Downlink / AGC threshold +10 dB / ANT 3



5.6. OUT-OF-BAND EMISSIONS

Test Requirements:

\$20.21(e)(9)(i)(F) Out of Band Emission Limits.

Booster out of band emissions (OOBE) shall meet the FCC's mobile emission limits for the supported bands of operation. Compliance to OOBE limits will utilize high peak-to-average CMRS signal types.

Test Procedures:

Measurements were in accordance with the test methods section 7.5 of KDB 935210 D04 v02r04.

- a) Connect the EUT in normal mode or test mode as shown in Figures 1 to 3. The EUT passband shall be configured for the highest and lowest authorized spectrum blocks within the CMRS band under test.
- b) Configure the signal generator for the appropriate operation for all uplink and downlink bands:
 - 1) GSM: 0.2 MHz from upper and lower band edge.
 - 2) LTE (5 MHz): 2.5 MHz from upper and lower band edge.
 - 3) CDMA: 1.25 MHz from upper and lower band edge, except for cellular as follows (only the upper and lower frequencies need to be tested):
824.88 MHz, 845.73 MHz, 836.52 MHz, 848.10 MHz,
869.88 MHz, 890.73 MHz, 881.52 MHz, 893.10 MHz.

NOTE 1–Alternative test modulation types:

 - CDMA (alternative 1.25 MHz AWGN)
 - LTE 5 MHz (alternative W-CDMA or 4.1 MHz AWGN)

NOTE 2–The LTE simulator must utilize the uplink and downlink signal formats in the uplink and downlink tests, respectively. LTE signals shall use a 5 MHz signal with 25 active resource blocks.

NOTE 3–The AWGN bandwidth shall be the measured 99% occupied bandwidth.
- c) Set the signal generator amplitude to the maximum power level prior to the AGC threshold as determined from 7.2.2d) to 7.2.2f) of the power measurement procedure for the appropriate modulations.
- d) Set RBW = reference bandwidth specified in the applicable rule section for the supported frequency band (see Appendix A for cross-reference to applicable rule section).
NOTE 3–Within 300 kHz and 3 MHz away from band edge, if smaller RBW is used (i.e., $RBW < 100$ kHz or 1 MHz, for above and below 1 GHz, respectively), per Parts 24 and 27 the smaller RBW is applicable only for frequencies within 100 kHz or 1 MHz (for above and below 1 GHz, respectively) away from the band edge.
- e) Set VBW = 3 x RBW.
- f) Select the power averaging (rms) detector.
- g) Sweep time = auto-couple.
- h) Set the analyzer start frequency to the upper band/block edge frequency and the stop frequency to the upper band/block edge frequency plus 300 kHz (when operational frequency is < 1 GHz), or 3 MHz (when operational frequency is ≥ 1 GHz).
- i) Trace average at least 100 traces in power averaging (rms) mode.
- j) Use peak marker function to find the maximum power level.
- k) Capture the spectrum analyzer trace of the power level for inclusion in the test report.
- l) Increase the signal generator amplitude in 2 dB steps until the maximum input level per 5.5 is reached. Affirm that the EUT maintains compliance with the OOBE limits. The test report shall include either a statement describing that the device complies at 10 dB above AGC or at the 5.5 power levels, or a table showing compliance at the additional input power(s) required.
- m) Reset the analyzer start frequency to the lower band/block edge frequency minus: 300 kHz (when operational frequency is < 1 GHz), or 3 MHz (when operational frequency is ≥ 1 GHz), and the stop frequency to the lower band/block edge frequency, then repeat 7.5i) to 7.5l).
- n) Repeat 7.5b) through 7.5m) for each uplink and downlink operational band.

Notes:

1. The EUT was configured with the gain set to the maximum and the bandwidth set to the minimum (5 MHz).
2. The EUT operated in test mode and was configured according to Figure 2 and 3 of KDB 935210 D04.
3. For all operating bands of the EUT, the same mobile emission limit applies:
"below the transmitter power (P) by at least $43 + 10 \log(P)$ dB"
Therefore, the out-of-band emission limit is calculated as follows: $(P) - (43 + 10 \log(P)) = -13$ dBm
4. In accordance with KDB 935210 D04 Section 7.5(b), the test was performed by configuring the signal generator to GSM, LTE 5 MHz, and CDMA signals.
5. The measurement bandwidth is specified in the applicable rule section for the supported frequency band.

Band	RBW Requirements
Lower 700 MHz	Reference 100 kHz or greater 30 kHz in the 100 kHz bands immediately block outside
Upper 700 MHz	Reference 100 kHz or greater

	30 kHz in the 100 kHz bands immediately block outside
Cellular	Reference 100 kHz or greater (below 1 GHz)
	Reference 1 MHz or greater (above 1 GHz)
	1 % of fundamental emission bandwidth in the 1 MHz bands immediately block outside
AWS-1	Reference 1 MHz or greater
	1 % of fundamental emission bandwidth in the 1 MHz bands immediately block outside
Broadband PCS	Reference 1 MHz or greater
	1 % of fundamental emission bandwidth in the 1 MHz bands immediately block outside

6. The limit line in the plot data is reflected at -19 dBm, but the actual limit is -13 dBm, indicating that a margin of more than 6 dB has been achieved.

Test Results:

Tabulated Result of Uplink Out-of-Band Emissions

ANT	Band	Signal	Edge	Input Level	Frequency (MHz)	Limit (dBm)	Emission (dBm)
1	Upper 700 MHz	GSM	Upper	AGC	787.0000	-13	-37.947
				AGC + 10 dB	787.0000		-39.189
			Lower	AGC	776.9994		-34.445
				AGC + 10 dB	777.0000		-36.854
		LTE 5 MHz	Upper	AGC	787.0015		-40.324
				AGC + 10 dB	787.0000		-45.699
			Lower	AGC	776.9862		-37.718
				AGC + 10 dB	776.9997		-44.424
		CDMA	Upper	AGC	787.0000		-40.690
				AGC + 10 dB	787.0369		-45.641
			Lower	AGC	776.9958		-40.559
				AGC + 10 dB	776.9907		-43.998
	Cellular	GSM	Upper	AGC	849.0030		-46.847
				AGC + 10 dB	849.0030		-48.374
			Lower	AGC	823.9970		-59.240
				AGC + 10 dB	823.9976		-62.039
		LTE 5 MHz	Upper	AGC	849.0009		-30.712
				AGC + 10 dB	849.2751		-34.026
			Lower	AGC	823.8917		-29.417
				AGC + 10 dB	823.8281		-31.730
		CDMA	Upper	AGC	849.0030		-34.592
				AGC + 10 dB	849.0174		-35.342
			Lower	AGC	823.9931		-31.342
				AGC + 10 dB	823.9487		-31.317
	AWS-1	GSM	Upper	AGC	1,755.000		-46.153
				AGC + 10 dB	1,755.006		-47.807
			Lower	AGC	1,710.000		-51.047
				AGC + 10 dB	1,710.000		-52.374
		LTE 5 MHz	Upper	AGC	1,755.111		-29.105
				AGC + 10 dB	1,755.108		-32.617
			Lower	AGC	1,709.946		-28.067
				AGC + 10 dB	1,709.883		-30.150
		CDMA	Upper	AGC	1,755.000		-36.225
				AGC + 10 dB	1,755.000		-40.181
			Lower	AGC	1,710.000		-34.165
				AGC + 10 dB	1,710.000		-34.863
	Broadband PCS	GSM	Upper	AGC	1,915.000		-34.607
				AGC + 10 dB	1,915.003		-48.712
			Lower	AGC	1,850.000		-50.804
				AGC + 10 dB	1,849.997		-51.797
		LTE 5 MHz	Upper	AGC	1,915.000		-30.972
				AGC + 10 dB	1,915.018		-34.964
			Lower	AGC	1,849.997		-38.748
				AGC + 10 dB	1,850.000		-39.736
		CDMA	Upper	AGC	1,915.000		-35.086
				AGC + 10 dB	1,915.000		-40.509
			Lower	AGC	1,850.000		-44.499
				AGC + 10 dB	1,849.979		-45.873

ANT	Band	Signal	Edge	Input Level	Frequency (MHz)	Limit (dBm)	Emission (dBm)
2	Lower 700 MHz	GSM	Upper	AGC	716.0000	-19	-40.416
				AGC + 10 dB	716.0000		-41.988
			Lower	AGC	698.9970		-38.845
				AGC + 10 dB	699.0000		-39.519
		LTE 5 MHz	Upper	AGC	716.1416		-33.714
				AGC + 10 dB	716.2922		-36.299
			Lower	AGC	698.9889		-37.919
				AGC + 10 dB	698.8836		-40.530
		CDMA	Upper	AGC	716.0120		-32.215
				AGC + 10 dB	716.0063		-32.573
			Lower	AGC	698.9961		-38.325
				AGC + 10 dB	698.9865		-40.102
	Cellular	GSM	Upper	AGC	849.0021		-46.278
				AGC + 10 dB	849.0003		-47.927
			Lower	AGC	823.9967		-60.566
				AGC + 10 dB	823.9988		-60.515
		LTE 5 MHz	Upper	AGC	849.0000		-33.785
				AGC + 10 dB	849.0120		-34.715
			Lower	AGC	823.9868		-29.939
				AGC + 10 dB	823.9655		-30.085
		CDMA	Upper	AGC	849.0342		-34.984
				AGC + 10 dB	849.1065		-39.426
			Lower	AGC	823.9583		-32.468
				AGC + 10 dB	824.0000		-35.310
	AWS-1	GSM	Upper	AGC	1,755.000		-46.462
				AGC + 10 dB	1,755.003		-47.962
			Lower	AGC	1,710.000		-50.795
				AGC + 10 dB	1,709.997		-52.181
		LTE 5 MHz	Upper	AGC	1,755.111		-31.247
				AGC + 10 dB	1,755.090		-28.792
			Lower	AGC	1,709.442		-32.607
				AGC + 10 dB	1,709.745		-30.734
		CDMA	Upper	AGC	1,755.000		-41.795
				AGC + 10 dB	1,755.003		-39.141
			Lower	AGC	1,709.940		-40.115
				AGC + 10 dB	1,709.946		-39.803
	Broadband PCS	GSM	Upper	AGC	1,915.000		-45.539
				AGC + 10 dB	1,915.003		-47.627
			Lower	AGC	1,849.997		-50.722
				AGC + 10 dB	1,850.000		-52.976
		LTE 5 MHz	Upper	AGC	1,915.000		-29.456
				AGC + 10 dB	1,915.009		-30.618
			Lower	AGC	1,850.000		-36.856
				AGC + 10 dB	1,849.985		-39.468
		CDMA	Upper	AGC	1,915.000		-32.709
				AGC + 10 dB	1,915.012		-36.760
			Lower	AGC	1,850.000		-44.076
				AGC + 10 dB	1,849.976		-45.090

ANT	Band	Signal	Edge	Input Level	Frequency (MHz)	Limit (dBm)	Emission (dBm)
3	Lower 700 MHz	GSM	Upper	AGC	716.0000	-19	-41.454
				AGC + 10 dB	716.0000		-41.959
			Lower	AGC	699.0000		-39.942
				AGC + 10 dB	699.0000		-39.412
		LTE 5 MHz	Upper	AGC	716.0318		-37.200
				AGC + 10 dB	716.1614		-39.149
			Lower	AGC	698.9472		-41.486
				AGC + 10 dB	698.8029		-40.461
		CDMA	Upper	AGC	716.0228		-35.075
				AGC + 10 dB	716.0120		-36.911
			Lower	AGC	698.9997		-44.169
				AGC + 10 dB	698.8662		-46.028
	Cellular	GSM	Upper	AGC	849.0042		-47.417
				AGC + 10 dB	849.0063		-48.811
			Lower	AGC	823.9973		-58.360
				AGC + 10 dB	823.9769		-61.827
		LTE 5 MHz	Upper	AGC	849.1347		-32.500
				AGC + 10 dB	849.2109		-35.293
			Lower	AGC	823.8683		-33.083
				AGC + 10 dB	823.9793		-31.345
		CDMA	Upper	AGC	849.0864		-40.471
				AGC + 10 dB	849.0294		-42.096
			Lower	AGC	823.9280		-36.416
				AGC + 10 dB	823.8968		-36.343
	AWS-1	GSM	Upper	AGC	1,755.006		-46.425
				AGC + 10 dB	1,755.000		-47.825
			Lower	AGC	1,709.997		-50.877
				AGC + 10 dB	1,709.997		-52.225
		LTE 5 MHz	Upper	AGC	1,755.000		-32.364
				AGC + 10 dB	1,755.168		-32.630
			Lower	AGC	1,709.880		-30.933
				AGC + 10 dB	1,709.964		-28.354
		CDMA	Upper	AGC	1,755.006		-39.400
				AGC + 10 dB	1,755.006		-40.055
			Lower	AGC	1,709.979		-37.602
				AGC + 10 dB	1,709.955		-38.684
	Broadband PCS	GSM	Upper	AGC	1,915.003		-46.040
				AGC + 10 dB	1,915.000		-47.759
			Lower	AGC	1,849.997		-49.996
				AGC + 10 dB	1,849.997		-50.631
		LTE 5 MHz	Upper	AGC	1,915.009		-31.930
				AGC + 10 dB	1,915.036		-35.864
			Lower	AGC	1,849.994		-38.010
				AGC + 10 dB	1,849.997		-40.658
		CDMA	Upper	AGC	1,915.000		-36.579
				AGC + 10 dB	1,915.000		-40.565
			Lower	AGC	1,850.000		-45.291
				AGC + 10 dB	1,850.000		-46.340

Tabulated Result of Downlink Out-of-Band Emissions

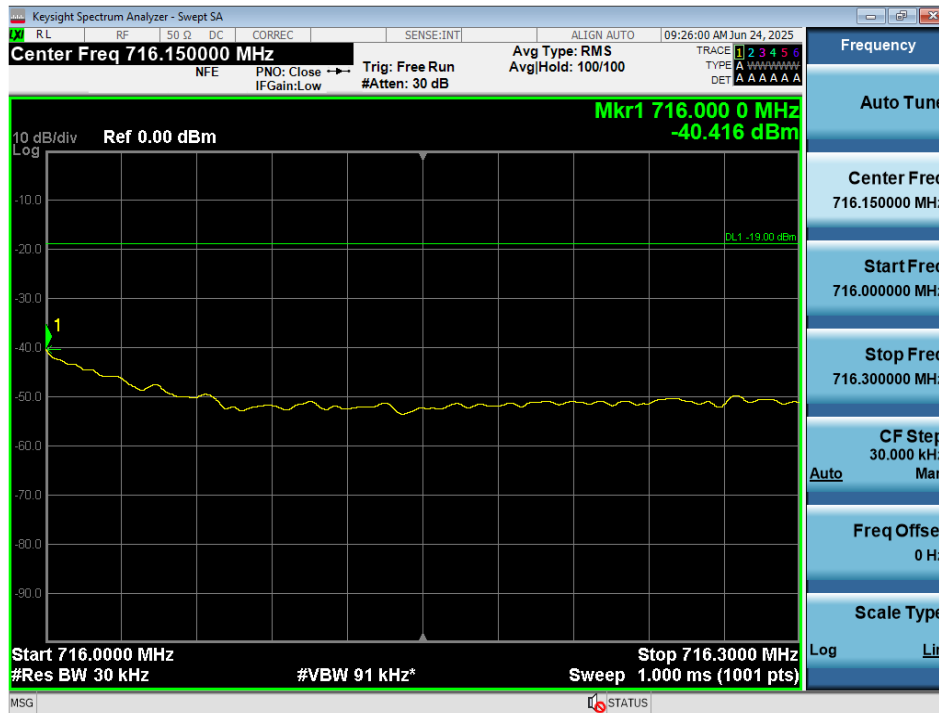
ANT	Band	Signal	Edge	Input Level	Frequency (MHz)	Limit (dBm)	Emission (dBm)
1	Upper 700 MHz	GSM	Upper	AGC	756.0102	-13	-32.821
				AGC + 10 dB	756.0000		-39.964
			Lower	AGC	746.0000		-34.503
				AGC + 10 dB	746.0000		-41.469
		LTE 5 MHz	Upper	AGC	756.0000		-33.190
				AGC + 10 dB	756.0048		-42.234
			Lower	AGC	746.0000		-34.879
				AGC + 10 dB	746.0000		-43.934
		CDMA	Upper	AGC	756.0036		-32.612
				AGC + 10 dB	756.0000		-42.523
			Lower	AGC	746.0000		-34.663
				AGC + 10 dB	746.0000		-44.609
	Cellular	GSM	Upper	AGC	894.0000		-49.708
				AGC + 10 dB	894.0009		-57.009
			Lower	AGC	868.9976		-45.611
				AGC + 10 dB	868.9982		-52.702
		LTE 5 MHz	Upper	AGC	894.0027		-36.407
				AGC + 10 dB	894.0000		-44.405
			Lower	AGC	869.0000		-30.710
				AGC + 10 dB	869.0000		-40.391
		CDMA	Upper	AGC	894.0003		-42.226
				AGC + 10 dB	894.0000		-51.394
			Lower	AGC	869.0000		-37.612
				AGC + 10 dB	869.0000		-46.310
	AWS-1	GSM	Upper	AGC	2,155.000		-41.670
				AGC + 10 dB	2,155.006		-49.372
			Lower	AGC	2,110.000		-46.320
				AGC + 10 dB	2,109.991		-53.866
		LTE 5 MHz	Upper	AGC	2,155.000		-26.649
				AGC + 10 dB	2,155.000		-34.346
			Lower	AGC	2,109.994		-31.230
				AGC + 10 dB	2,109.994		-39.405
		CDMA	Upper	AGC	2,155.000		-34.057
				AGC + 10 dB	2,155.003		-41.876
			Lower	AGC	2,110.000		-37.178
				AGC + 10 dB	2,110.000		-45.818
	Broadband PCS	GSM	Upper	AGC	1,995.000		-43.417
				AGC + 10 dB	1,995.006		-51.444
			Lower	AGC	1,930.000		-47.893
				AGC + 10 dB	1,929.994		-55.947
		LTE 5 MHz	Upper	AGC	1,995.000		-28.950
				AGC + 10 dB	1,995.000		-38.148
			Lower	AGC	1,930.000		-34.036
				AGC + 10 dB	1,930.000		-43.577
		CDMA	Upper	AGC	1,995.006		-35.105
				AGC + 10 dB	1,995.000		-44.697
			Lower	AGC	1,930.000		-39.720
				AGC + 10 dB	1,930.000		-49.552

ANT	Band	Signal	Edge	Input Level	Frequency (MHz)	Limit (dBm)	Emission (dBm)
2	Lower 700 MHz	GSM	Upper	AGC	746.0000	-19	-32.686
				AGC + 10 dB	746.0000		-40.060
			Lower	AGC	728.9961		-35.141
				AGC + 10 dB	729.0000		-41.801
		LTE 5 MHz	Upper	AGC	746.0090		-32.487
				AGC + 10 dB	746.0000		-42.793
			Lower	AGC	729.0000		-34.773
				AGC + 10 dB	729.0000		-44.059
		CDMA	Upper	AGC	746.0000		-33.500
				AGC + 10 dB	746.0030		-43.488
			Lower	AGC	728.9925		-35.343
				AGC + 10 dB	729.0000		-44.876
	Cellular	GSM	Upper	AGC	894.0018		-50.376
				AGC + 10 dB	894.0066		-58.041
			Lower	AGC	868.9928		-46.165
				AGC + 10 dB	868.9961		-53.578
		LTE 5 MHz	Upper	AGC	894.0000		-37.004
				AGC + 10 dB	894.0006		-45.616
			Lower	AGC	869.0000		-31.855
				AGC + 10 dB	869.0000		-40.308
		CDMA	Upper	AGC	894.0054		-43.275
				AGC + 10 dB	894.0000		-52.524
			Lower	AGC	868.9979		-37.773
				AGC + 10 dB	869.0000		-47.969
	AWS-1	GSM	Upper	AGC	2,155.006		-47.231
				AGC + 10 dB	2,155.009		-52.977
			Lower	AGC	2,110.000		-48.286
				AGC + 10 dB	2,109.997		-55.148
		LTE 5 MHz	Upper	AGC	2,155.000		-31.294
				AGC + 10 dB	2,155.000		-40.652
			Lower	AGC	2,109.997		-32.979
				AGC + 10 dB	2,109.997		-42.178
		CDMA	Upper	AGC	2,155.000		-37.610
				AGC + 10 dB	2,155.000		-46.636
			Lower	AGC	2,110.000		-39.673
				AGC + 10 dB	2,110.000		-48.114
	Broadband PCS	GSM	Upper	AGC	1,995.000		-43.707
				AGC + 10 dB	1,995.003		-51.340
			Lower	AGC	1,930.000		-47.523
				AGC + 10 dB	1,929.997		-55.681
		LTE 5 MHz	Upper	AGC	1,995.000		-29.393
				AGC + 10 dB	1,995.000		-38.888
			Lower	AGC	1,929.997		-33.969
				AGC + 10 dB	1,930.000		-42.549
		CDMA	Upper	AGC	1,995.000		-35.758
				AGC + 10 dB	1,995.000		-45.020
			Lower	AGC	1,930.000		-40.134
				AGC + 10 dB	1,930.000		-49.752

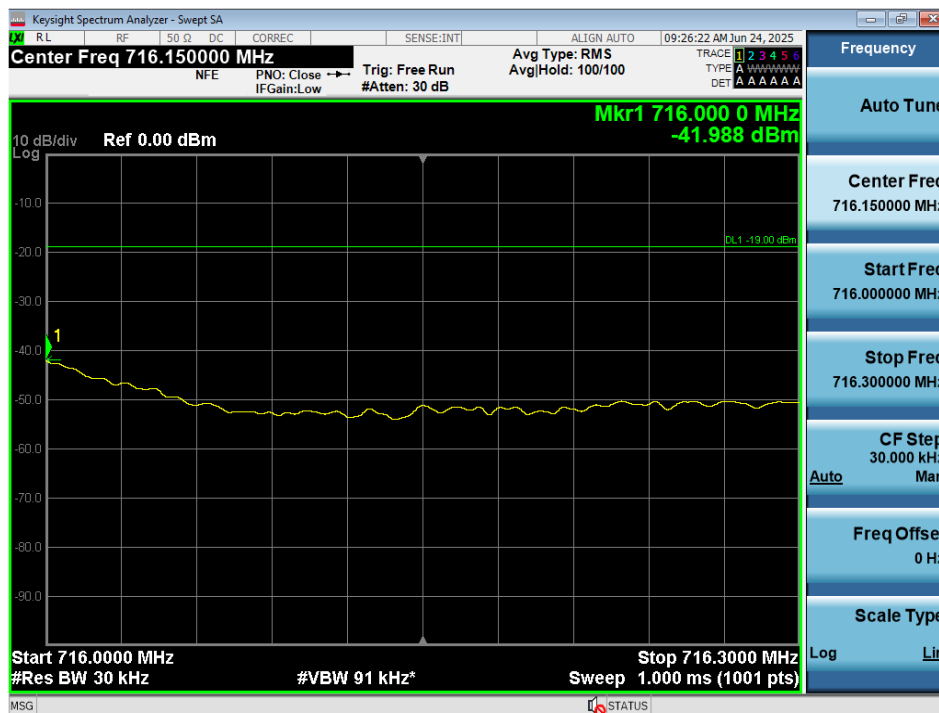
ANT	Band	Signal	Edge	Input Level	Frequency (MHz)	Limit (dBm)	Emission (dBm)
3	Lower 700 MHz	GSM	Upper	AGC	746.0000	-19	-34.076
				AGC + 10 dB	746.0000		-40.084
			Lower	AGC	729.0000		-35.425
				AGC + 10 dB	729.0000		-42.384
		LTE 5 MHz	Upper	AGC	746.0018		-32.359
				AGC + 10 dB	746.0018		-42.215
			Lower	AGC	728.9988		-34.356
				AGC + 10 dB	728.9928		-44.138
		CDMA	Upper	AGC	746.0000		-32.979
				AGC + 10 dB	746.0036		-42.982
			Lower	AGC	729.0000		-34.499
				AGC + 10 dB	729.0000		-43.526
	Cellular	GSM	Upper	AGC	894.0027		-52.423
				AGC + 10 dB	894.0012		-58.278
			Lower	AGC	869.0000		-46.777
				AGC + 10 dB	868.9964		-53.692
		LTE 5 MHz	Upper	AGC	894.0000		-36.955
				AGC + 10 dB	894.0000		-45.632
			Lower	AGC	869.0000		-31.588
				AGC + 10 dB	868.9988		-40.971
		CDMA	Upper	AGC	894.0000		-43.507
				AGC + 10 dB	894.0000		-52.499
			Lower	AGC	869.0000		-38.520
				AGC + 10 dB	869.0000		-48.531
	AWS-1	GSM	Upper	AGC	2,155.000		-47.181
				AGC + 10 dB	2,155.003		-53.073
			Lower	AGC	2,109.994		-48.794
				AGC + 10 dB	2,110.000		-54.501
		LTE 5 MHz	Upper	AGC	2,155.000		-31.175
				AGC + 10 dB	2,155.000		-40.590
			Lower	AGC	2,110.000		-33.066
				AGC + 10 dB	2,110.000		-42.069
		CDMA	Upper	AGC	2,155.000		-37.839
				AGC + 10 dB	2,155.000		-47.401
			Lower	AGC	2,109.994		-40.288
				AGC + 10 dB	2,110.000		-48.338
	Broadband PCS	GSM	Upper	AGC	1,995.000		-46.221
				AGC + 10 dB	1,995.012		-52.625
			Lower	AGC	1,929.997		-49.361
				AGC + 10 dB	1,929.997		-57.362
		LTE 5 MHz	Upper	AGC	1,995.000		-30.207
				AGC + 10 dB	1,995.012		-39.636
			Lower	AGC	1,929.997		-34.449
				AGC + 10 dB	1,930.000		-44.200
		CDMA	Upper	AGC	1,995.003		-36.859
				AGC + 10 dB	1,995.000		-46.330
			Lower	AGC	1,930.000		-41.220
				AGC + 10 dB	1,930.000		-50.435

Plot data of Out-of-Band Emissions

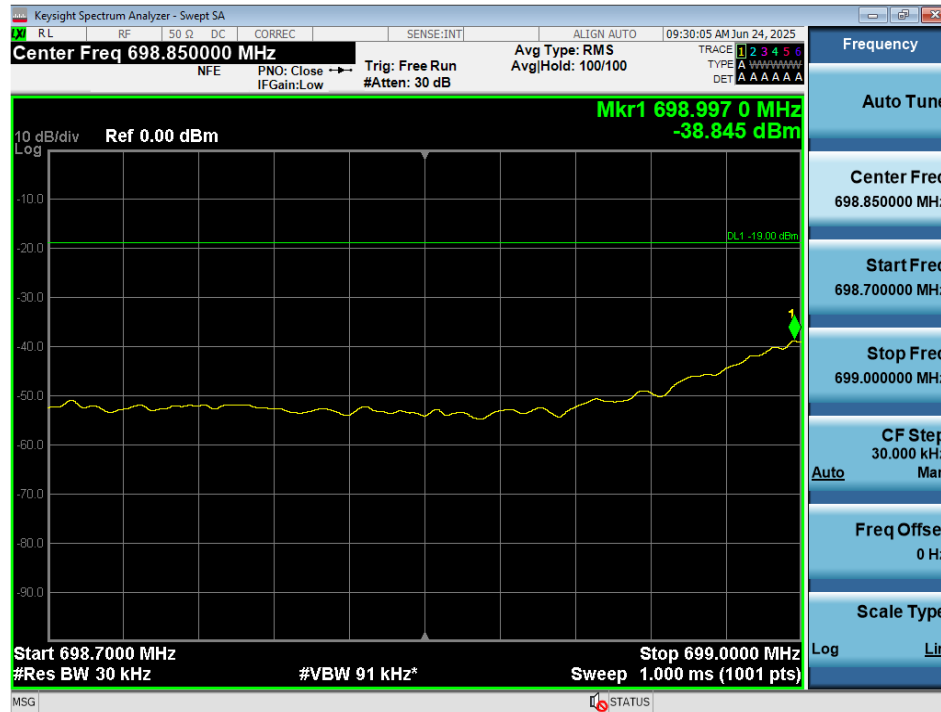
Out-of-Band Emissions / Lower 700 MHz / Uplink / GSM / Upper Edge / AGC threshold / ANT 2



Out-of-Band Emissions / Lower 700 MHz/ Uplink / GSM / Upper Edge / AGC threshold +10 dB / ANT 2



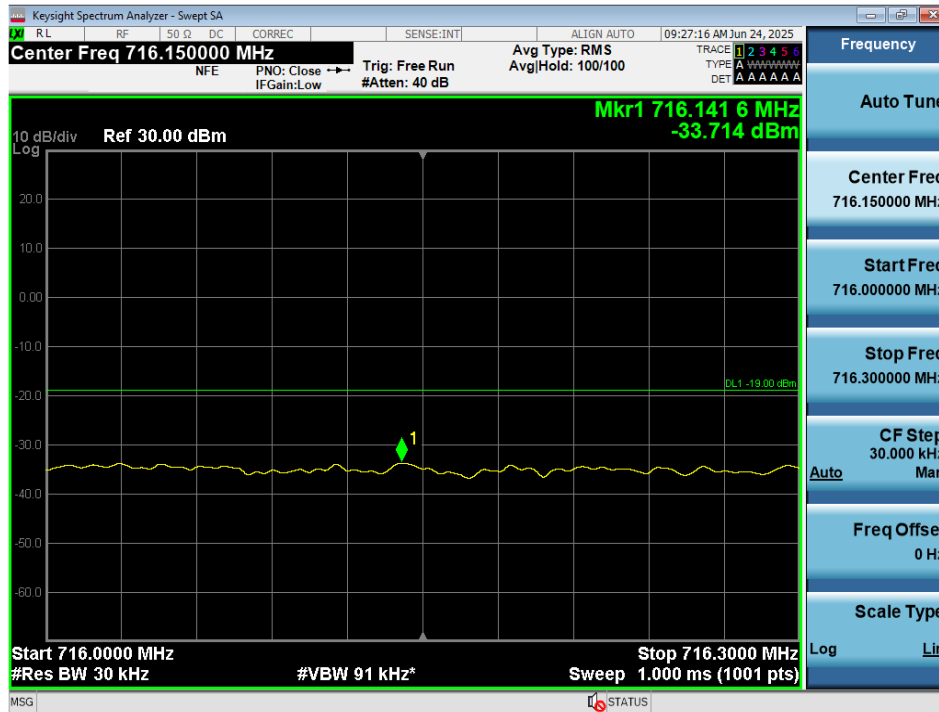
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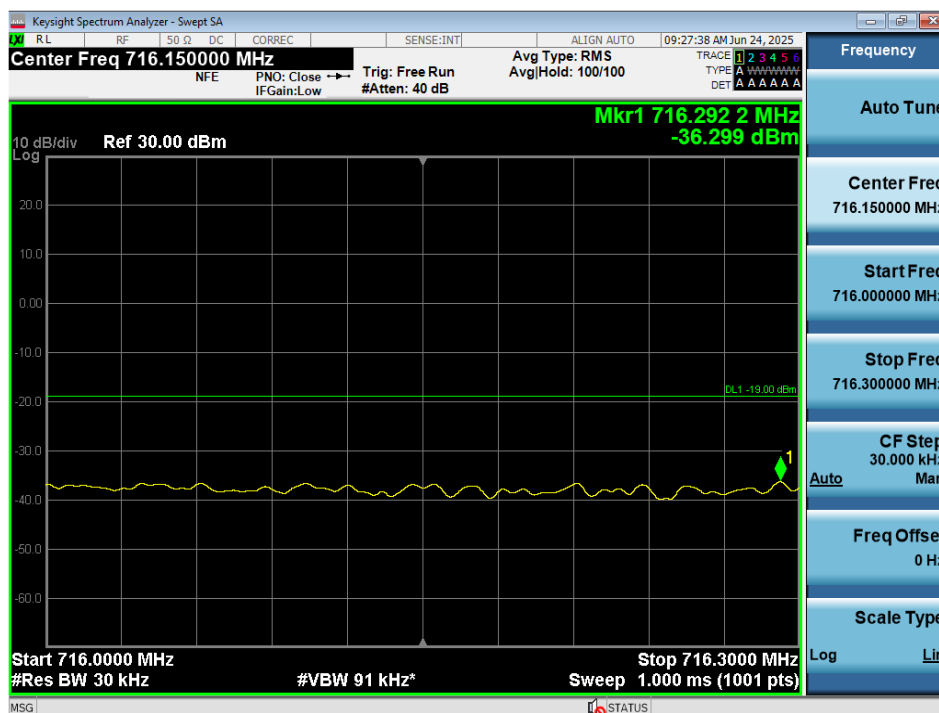
Out-of-Band Emissions / Lower 700 MHz / Uplink / GSM / Lower Edge / AGC threshold +10 dB / ANT 2



Out-of-Band Emissions / Lower 700 MHz / Uplink / LTE 5 MHz / Upper Edge / AGC threshold / ANT 2



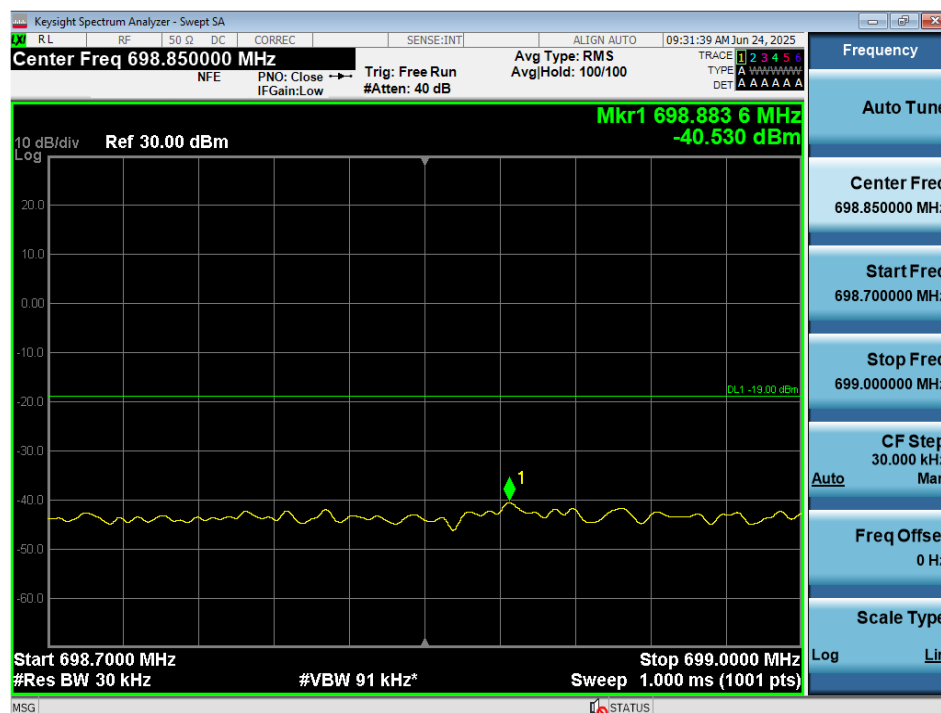
Out-of-Band Emissions / Lower 700 MHz / Uplink / LTE 5 MHz / Upper Edge / AGC threshold +10 dB / ANT 2



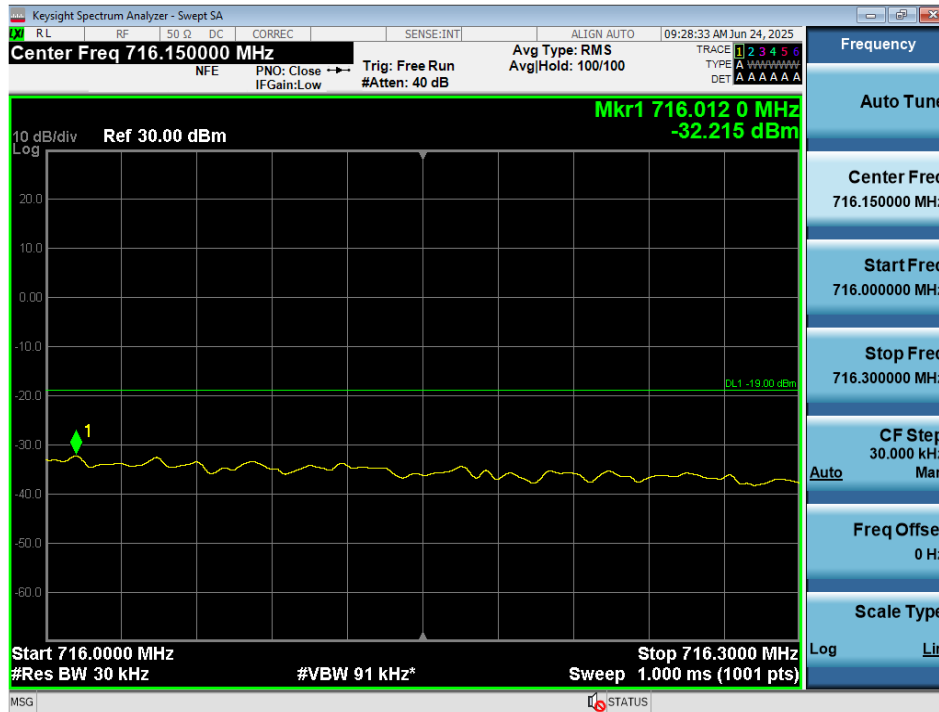
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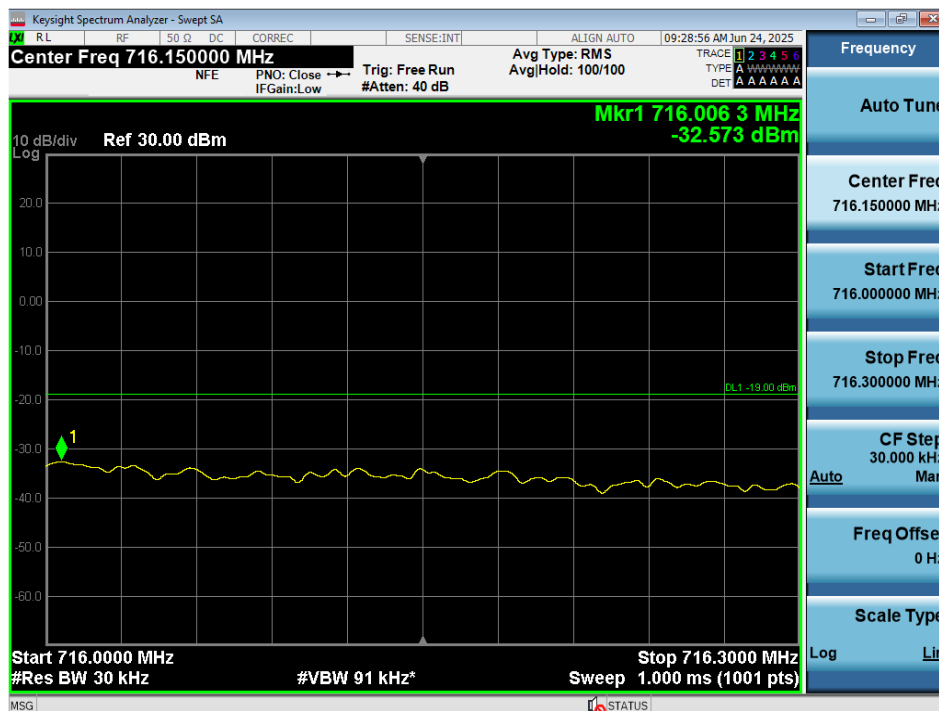
Out-of-Band Emissions / Lower 700 MHz / Uplink / LTE 5 MHz / Lower Edge / AGC threshold +10 dB / ANT 2



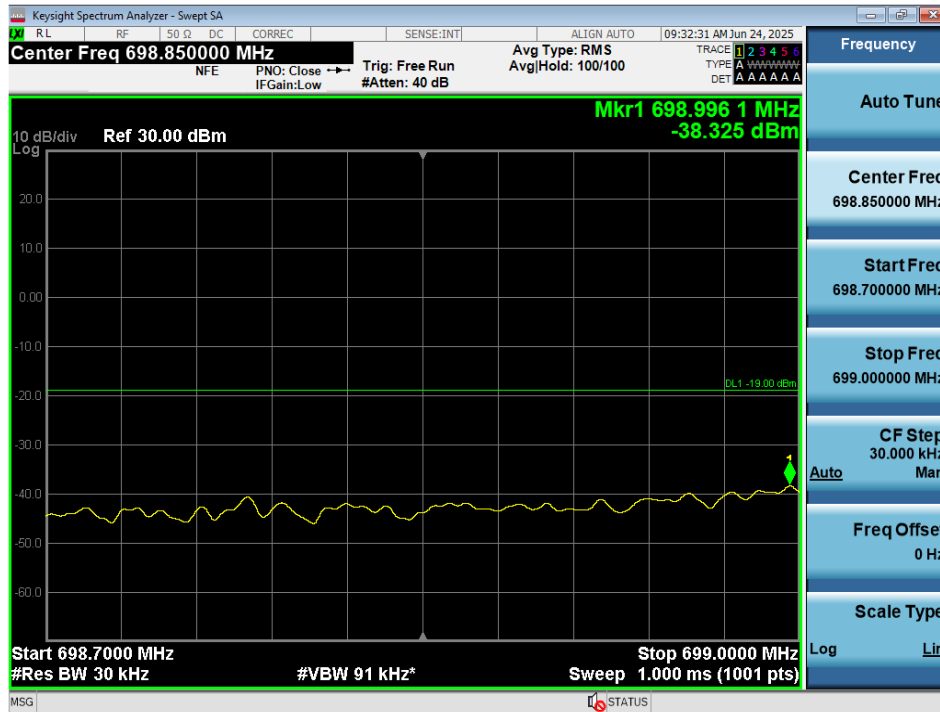
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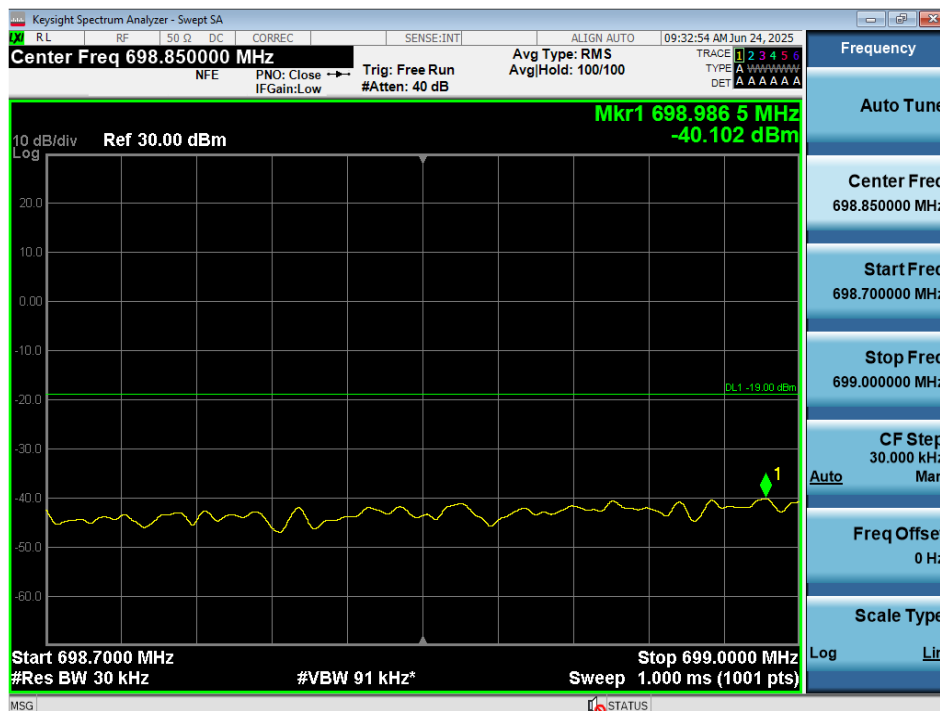
Out-of-Band Emissions / Lower 700 MHz / Uplink / CDMA / Upper Edge / AGC threshold +10 dB / ANT 2



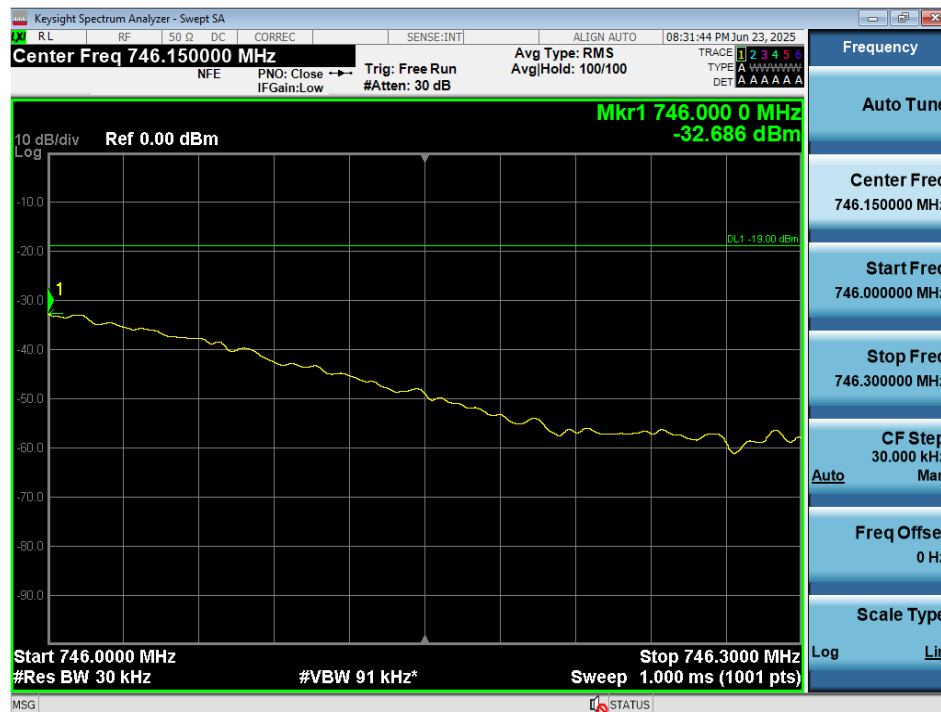
Out-of-Band Emissions / Lower 700 MHz / Uplink / CDMA / Lower Edge / AGC threshold / ANT 2



Out-of-Band Emissions / Lower 700 MHz / Uplink / CDMA / Lower Edge / AGC threshold +10 dB / ANT 2



Out-of-Band Emissions / Lower 700 MHz / Downlink / GSM / Upper Edge / AGC threshold / ANT 2



Out-of-Band Emissions / Lower 700 MHz/ Downlink / GSM / Upper Edge / AGC threshold +10 dB / ANT 2



Out-of-Band Emissions / Lower 700 MHz / Downlink / GSM / Lower Edge / AGC threshold / ANT 2



Out-of-Band Emissions / Lower 700 MHz / Downlink / GSM / Lower Edge / AGC threshold +10 dB / ANT 2



Out-of-Band Emissions / Lower 700 MHz / Downlink / LTE 5 MHz / Upper Edge / AGC threshold / ANT 2



Out-of-Band Emissions / Lower 700 MHz / Downlink / LTE 5 MHz / Upper Edge / AGC threshold +10 dB / ANT 2



Out-of-Band Emissions / Lower 700 MHz / Downlink / LTE 5 MHz / Lower Edge / AGC threshold / ANT 2



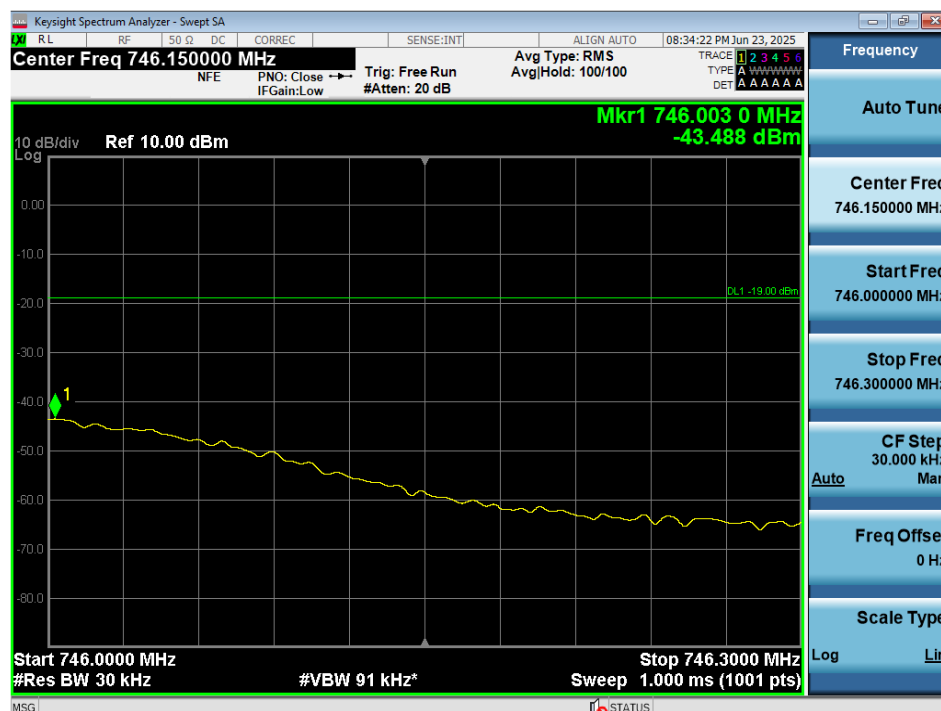
Out-of-Band Emissions / Lower 700 MHz / Downlink / LTE 5 MHz / Lower Edge / AGC threshold +10 dB / ANT 2



Out-of-Band Emissions / Lower 700 MHz / Downlink / CDMA / Upper Edge / AGC threshold / ANT 2



Out-of-Band Emissions / Lower 700 MHz / Downlink / CDMA / Upper Edge / AGC threshold +10 dB / ANT 2



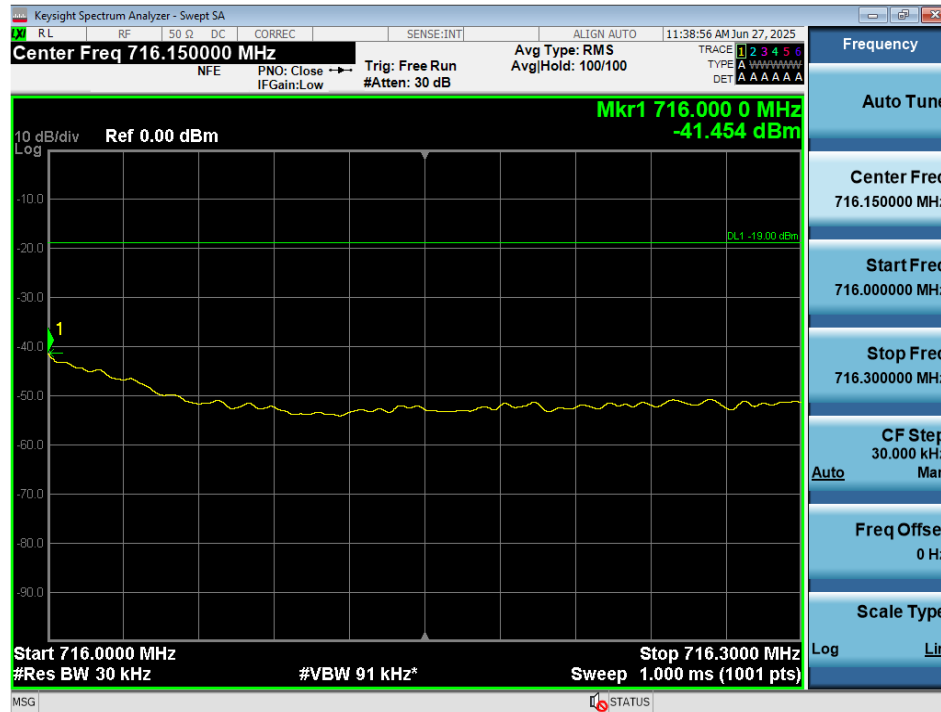
Out-of-Band Emissions / Lower 700 MHz / Downlink / CDMA / Lower Edge / AGC threshold / ANT 2



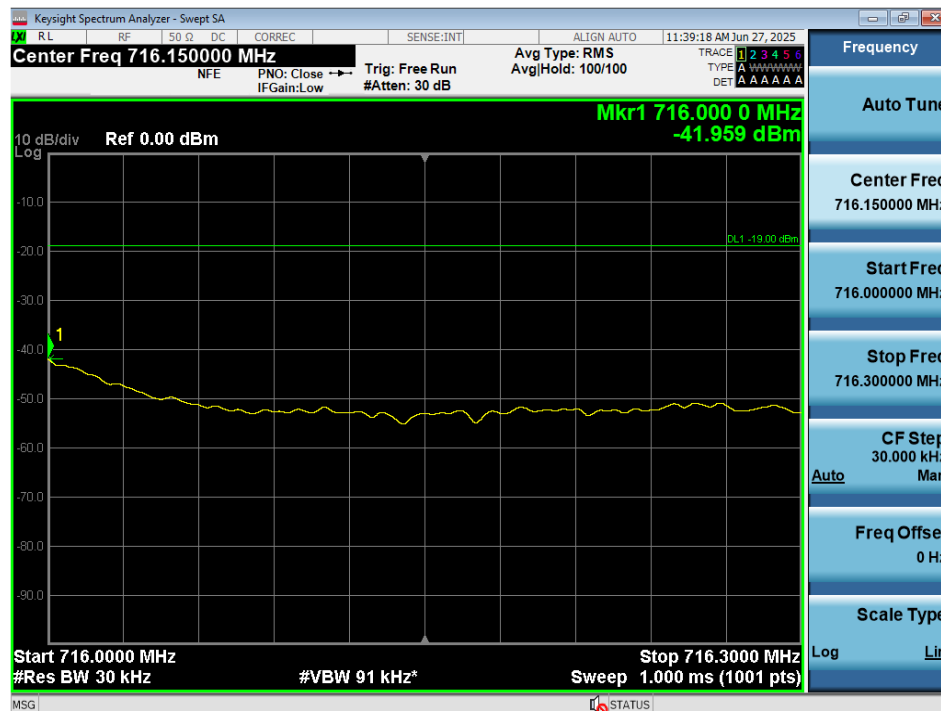
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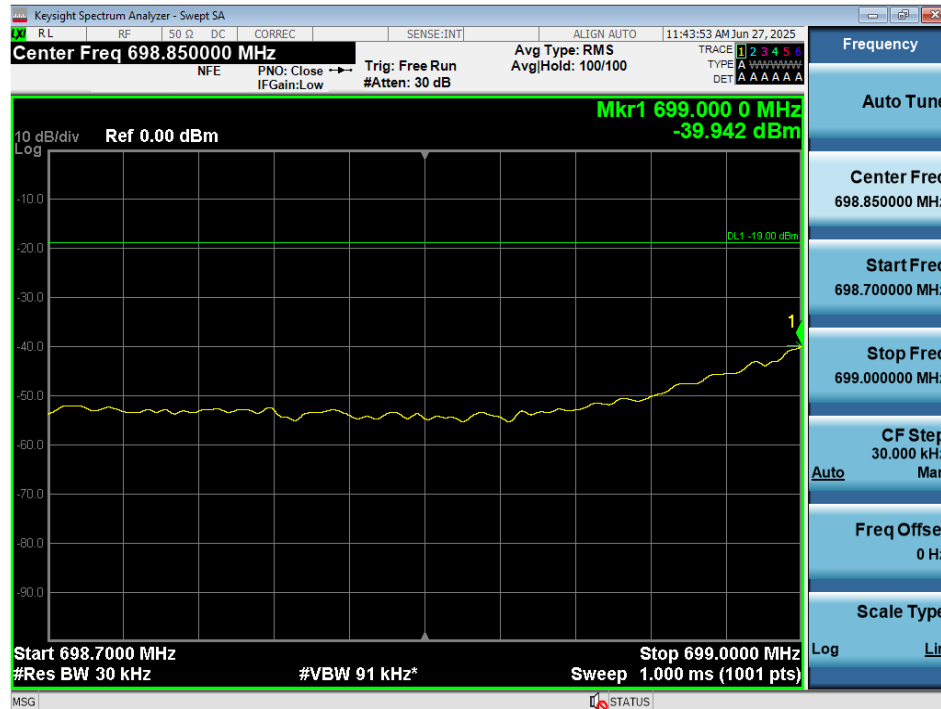
Out-of-Band Emissions / Lower 700 MHz / Uplink / GSM / Upper Edge / AGC threshold / ANT 3



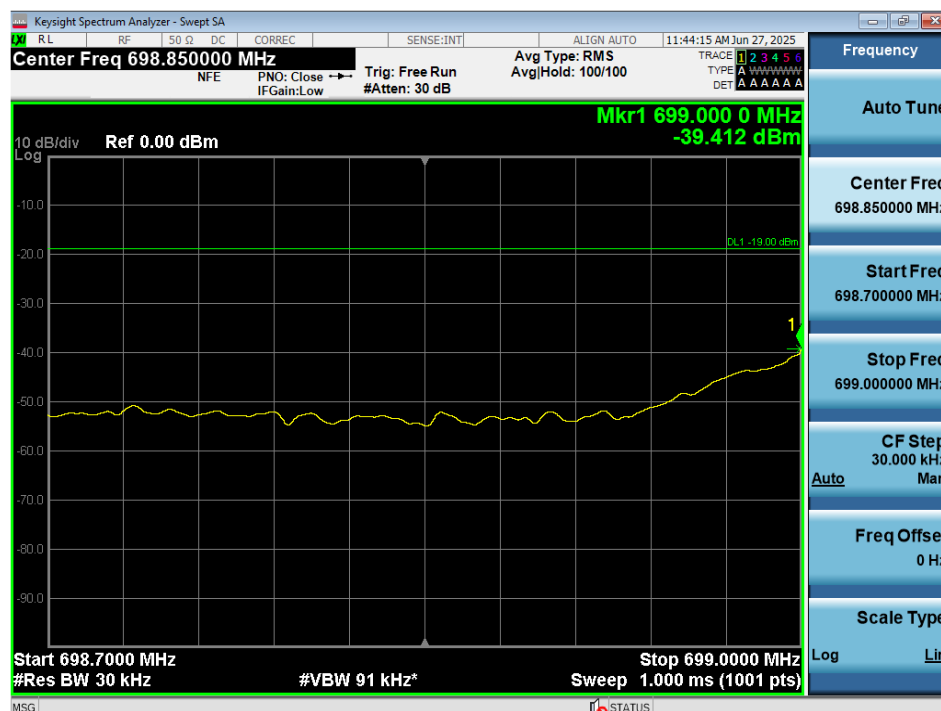
Out-of-Band Emissions / Lower 700 MHz/ Uplink / GSM / Upper Edge / AGC threshold +10 dB / ANT 3



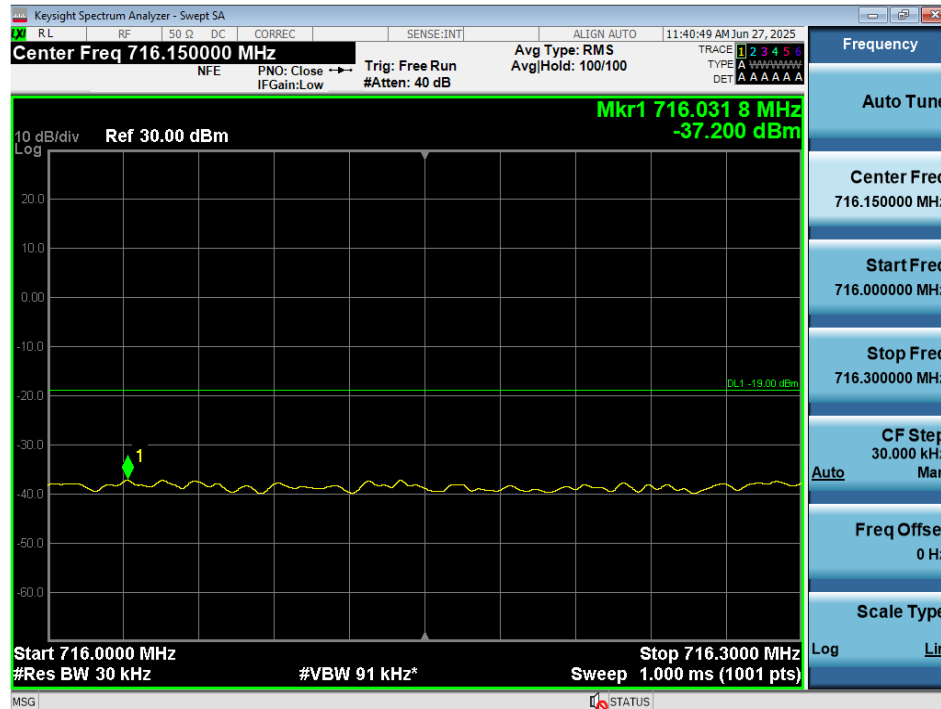
Out-of-Band Emissions / Lower 700 MHz / Uplink / GSM / Lower Edge / AGC threshold / ANT 3



Out-of-Band Emissions / Lower 700 MHz / Uplink / GSM / Lower Edge / AGC threshold +10 dB / ANT 3



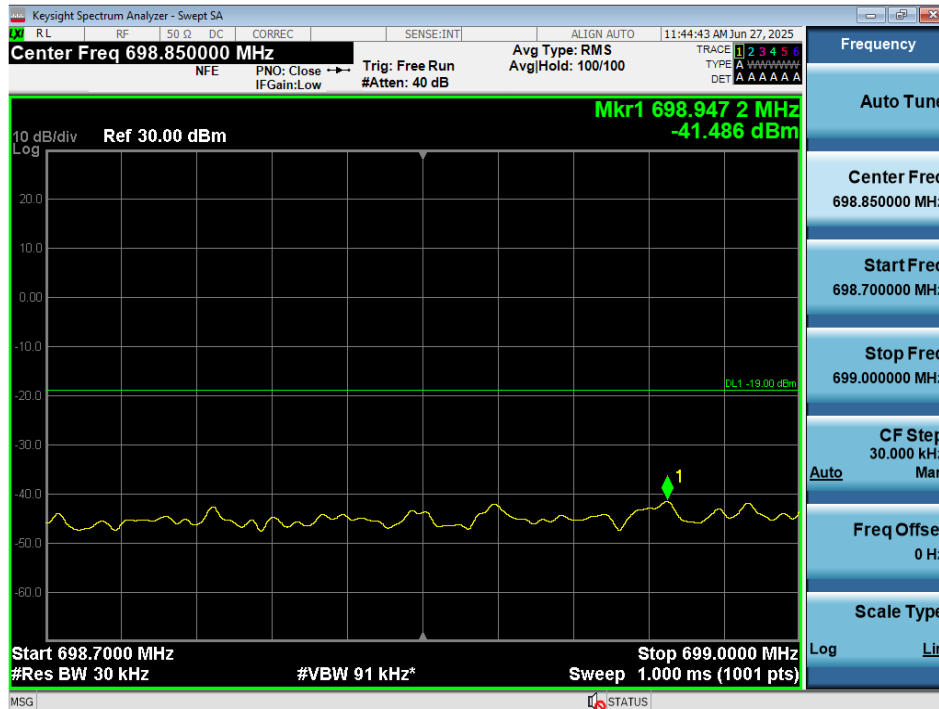
Out-of-Band Emissions / Lower 700 MHz / Uplink / LTE 5 MHz / Upper Edge / AGC threshold / ANT 3



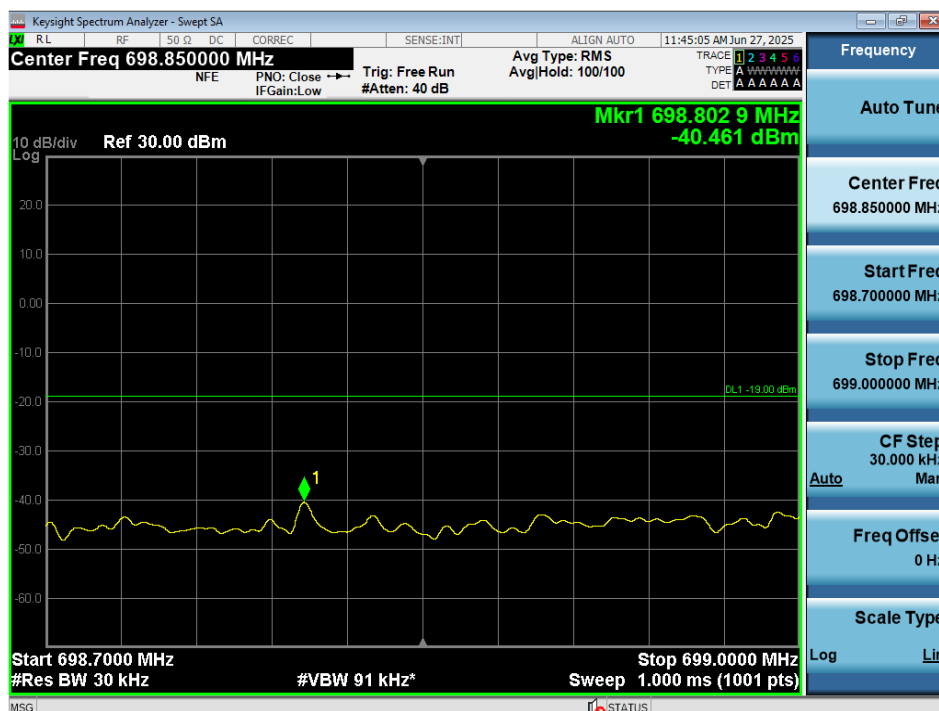
Out-of-Band Emissions / Lower 700 MHz / Uplink / LTE 5 MHz / Upper Edge / AGC threshold +10 dB / ANT 3



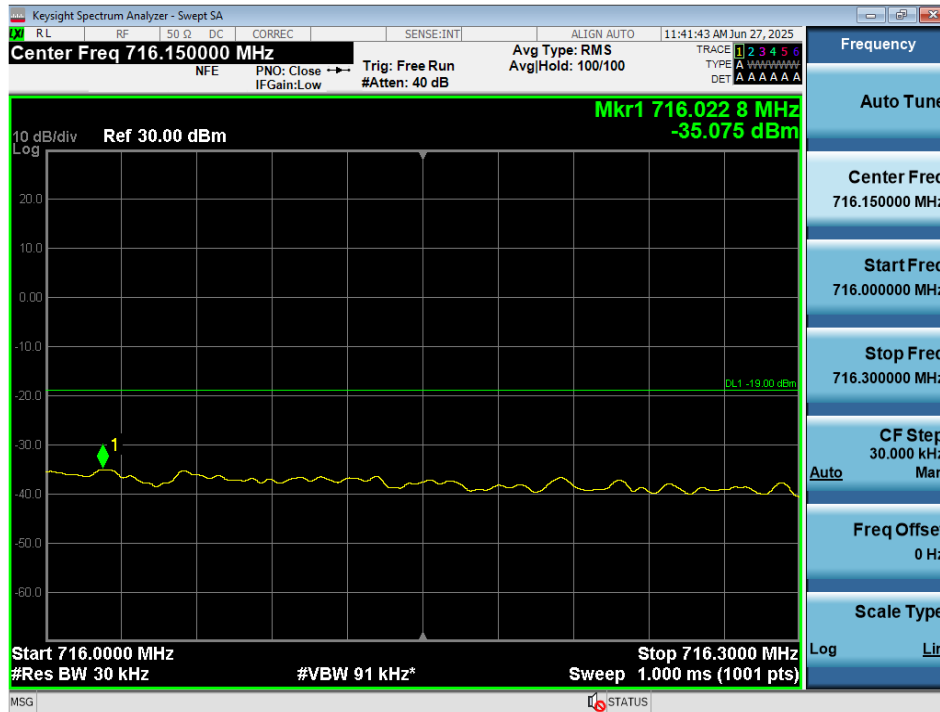
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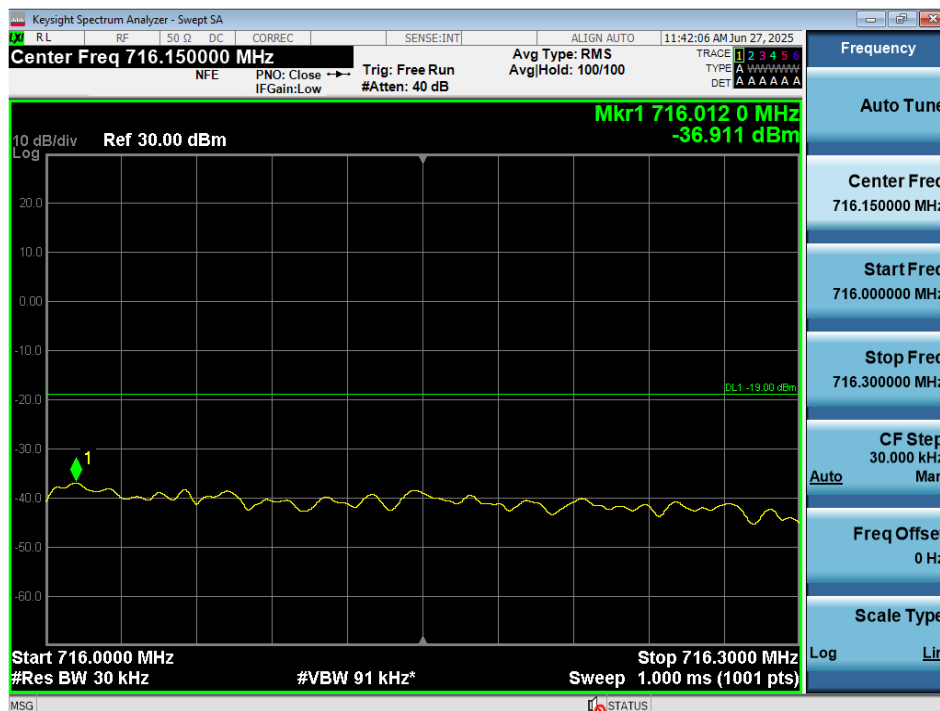
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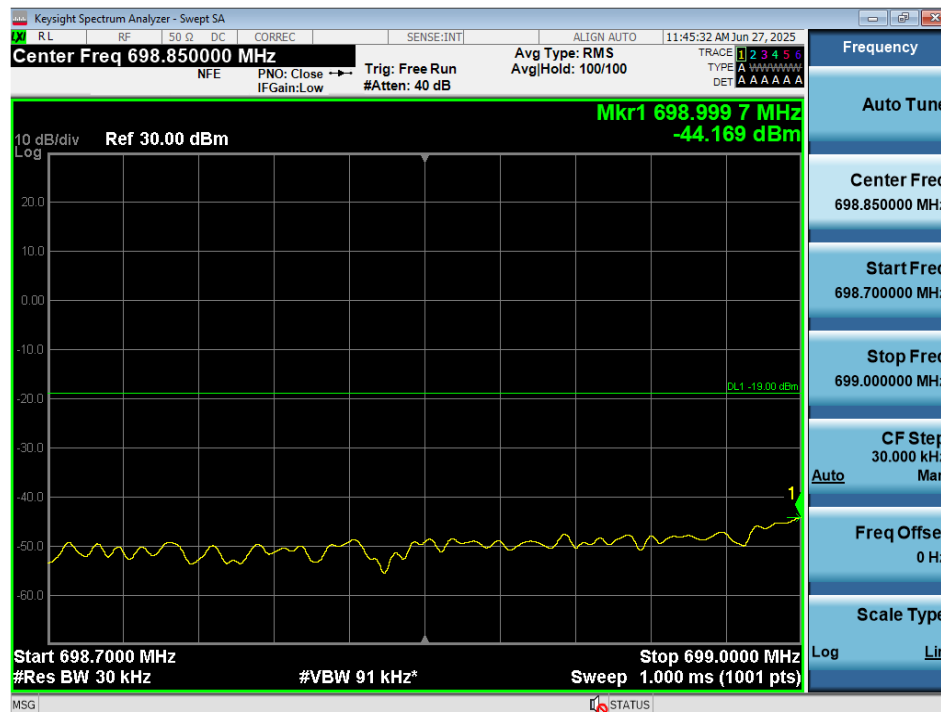
Out-of-Band Emissions / Lower 700 MHz / Uplink / CDMA / Upper Edge / AGC threshold / ANT 3



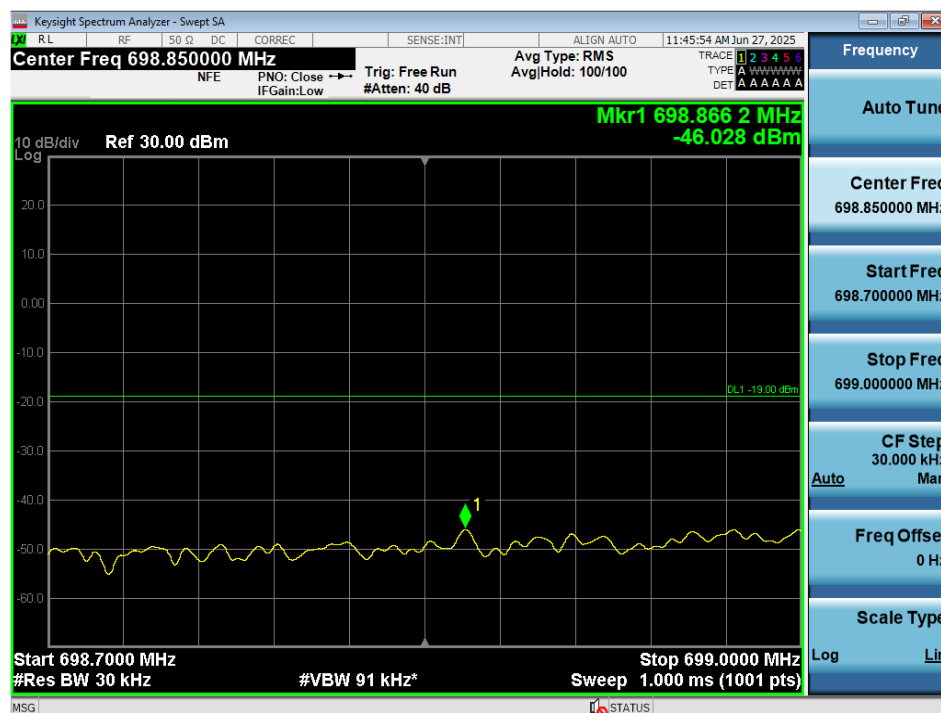
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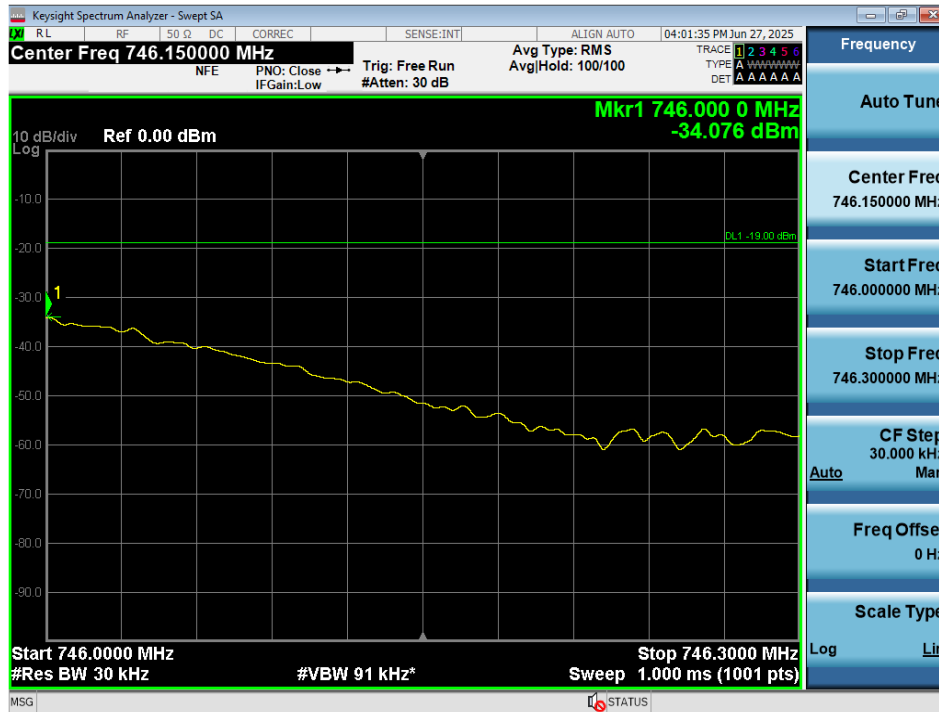
Out-of-Band Emissions / Lower 700 MHz / Uplink / CDMA / Lower Edge / AGC threshold / ANT 3



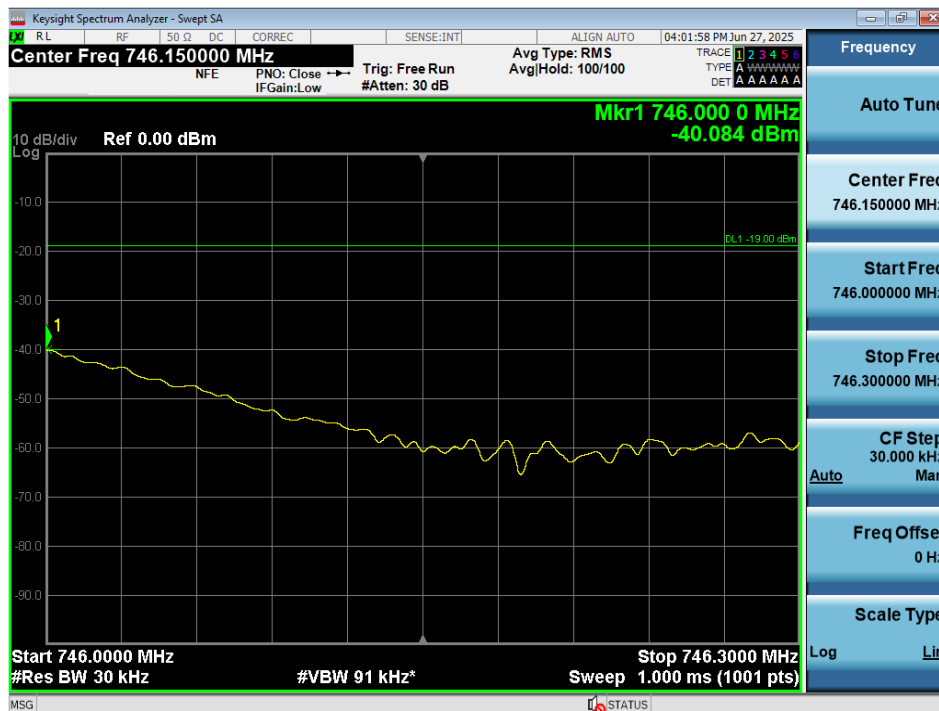
Out-of-Band Emissions / Lower 700 MHz / Uplink / CDMA / Lower Edge / AGC threshold +10 dB / ANT 3



Out-of-Band Emissions / Lower 700 MHz / Downlink / GSM / Upper Edge / AGC threshold / ANT 3



Out-of-Band Emissions / Lower 700 MHz/ Downlink / GSM / Upper Edge / AGC threshold +10 dB / ANT 3



Out-of-Band Emissions / Lower 700 MHz / Downlink / GSM / Lower Edge / AGC threshold / ANT 3



Out-of-Band Emissions / Lower 700 MHz / Downlink / GSM / Lower Edge / AGC threshold +10 dB / ANT 3



Out-of-Band Emissions / Lower 700 MHz / Downlink / LTE 5 MHz / Upper Edge / AGC threshold / ANT 3



Out-of-Band Emissions / Lower 700 MHz / Downlink / LTE 5 MHz / Upper Edge / AGC threshold +10 dB / ANT 3



Out-of-Band Emissions / Lower 700 MHz / Downlink / LTE 5 MHz / Lower Edge / AGC threshold / ANT 3



Out-of-Band Emissions / Lower 700 MHz / Downlink / LTE 5 MHz / Lower Edge / AGC threshold +10 dB / ANT 3



Out-of-Band Emissions / Lower 700 MHz / Downlink / CDMA / Upper Edge / AGC threshold / ANT 3



Out-of-Band Emissions / Lower 700 MHz / Downlink / CDMA / Upper Edge / AGC threshold +10 dB / ANT 3



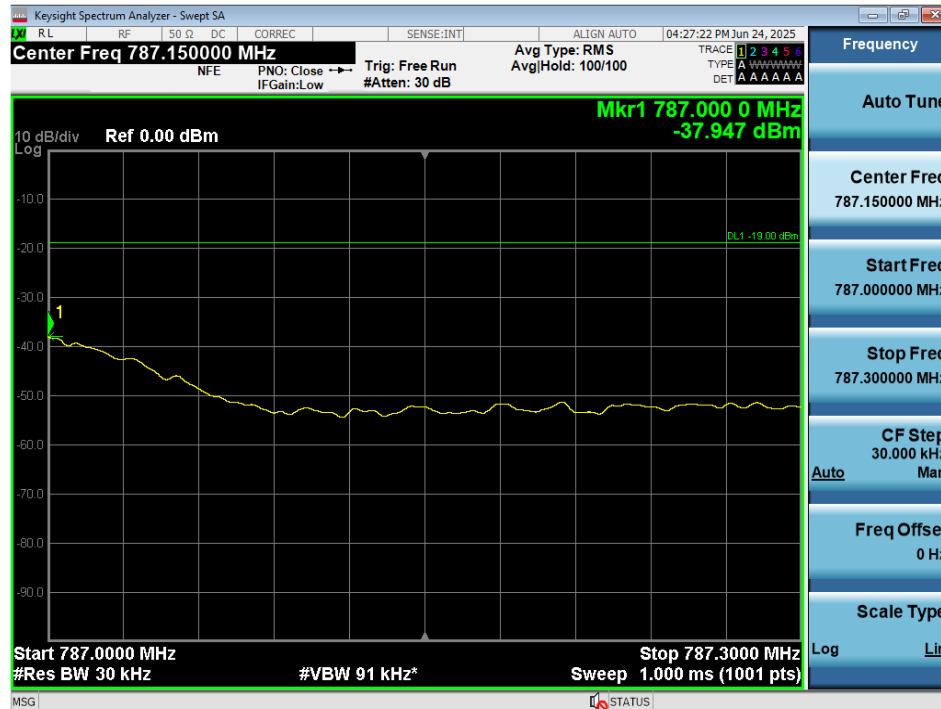
Out-of-Band Emissions / Lower 700 MHz / Downlink / CDMA / Lower Edge / AGC threshold / ANT 3



Out-of-Band Emissions / Lower 700 MHz / Downlink / CDMA / Lower Edge / AGC threshold +10 dB / ANT 3



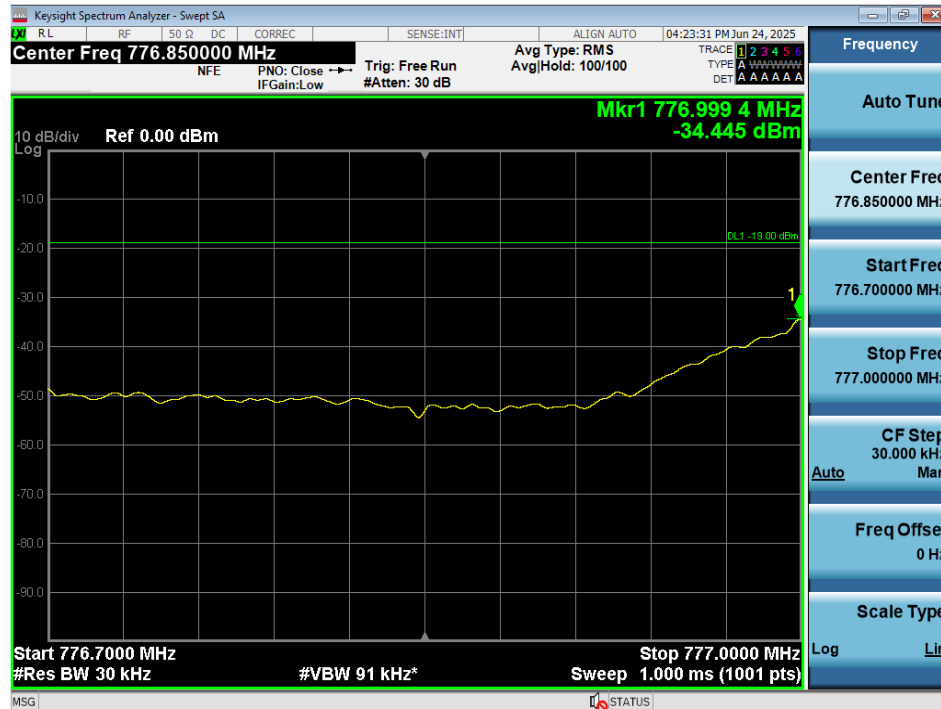
Out-of-Band Emissions / Upper 700 MHz / Uplink / GSM / Upper Edge / AGC threshold / ANT 1



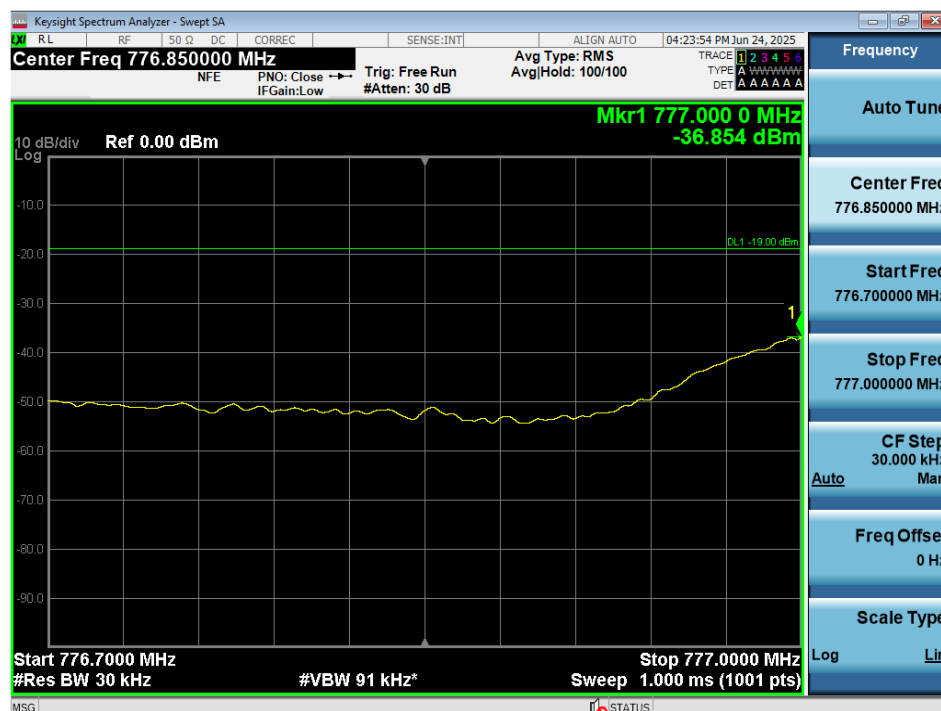
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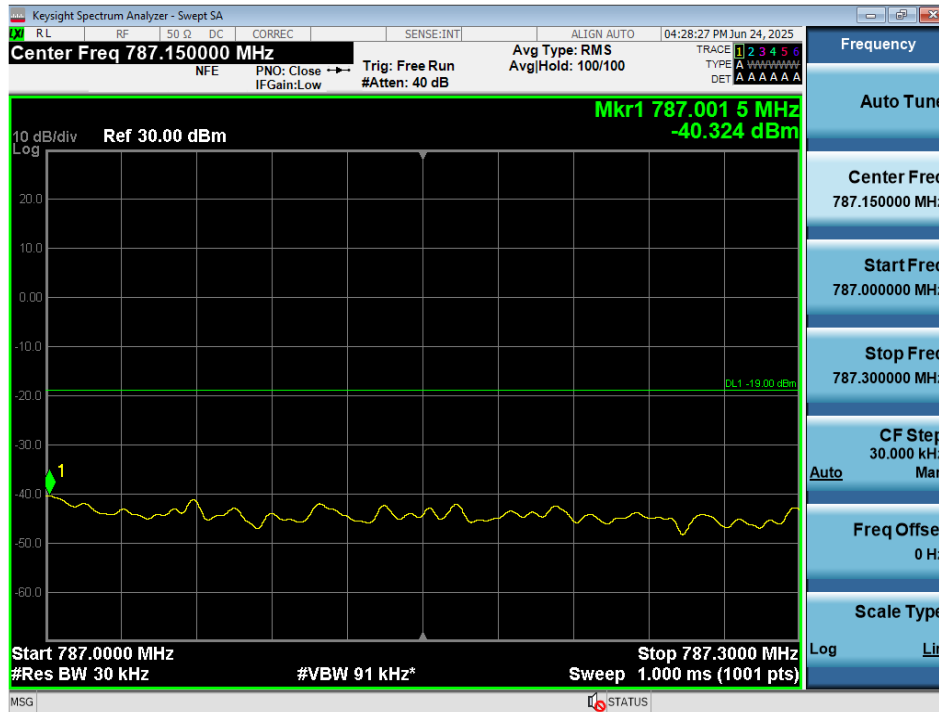
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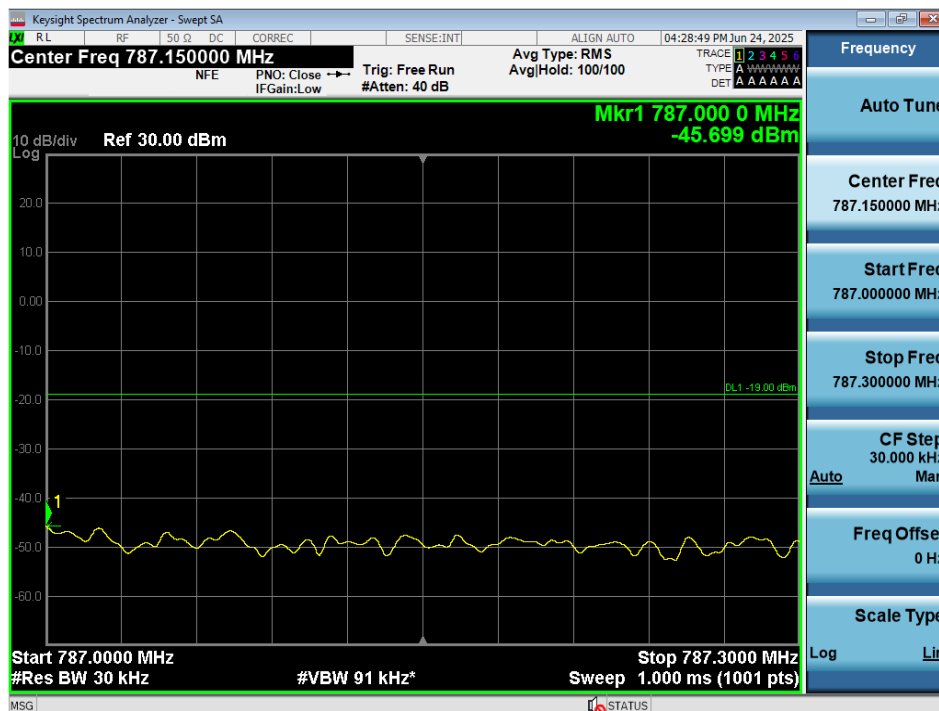
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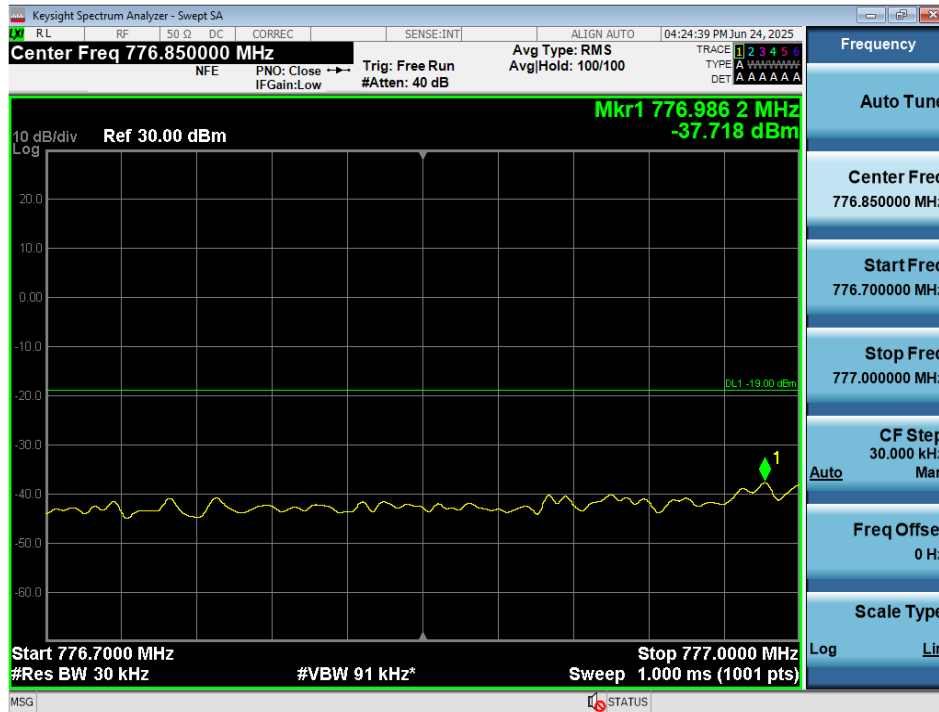
Out-of-Band Emissions / Upper 700 MHz / Uplink / LTE 5 MHz / Upper Edge / AGC threshold / ANT 1



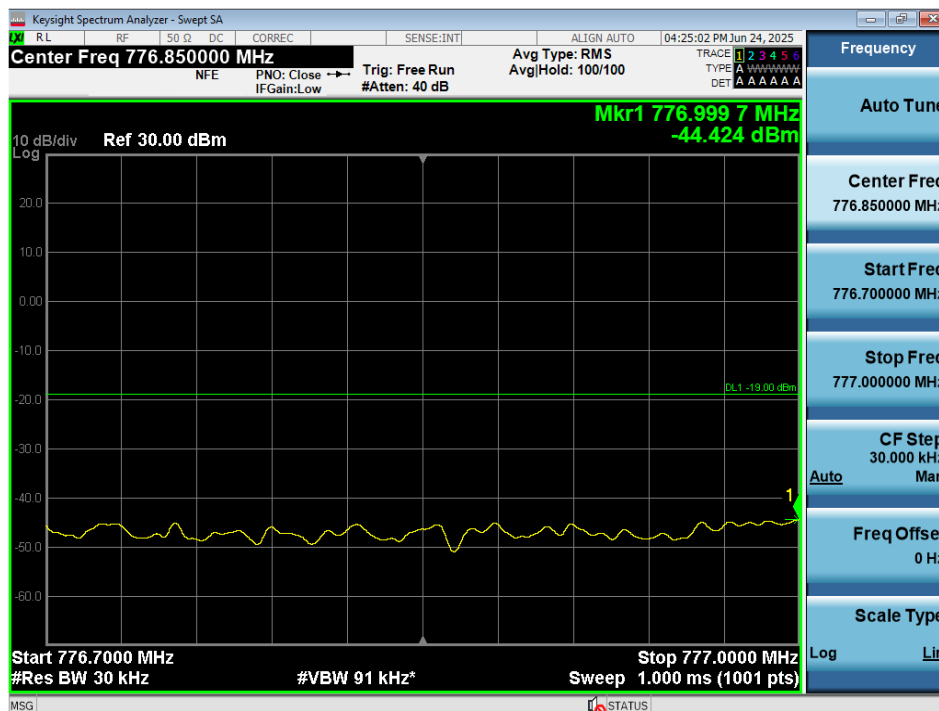
Out-of-Band Emissions / Upper 700 MHz / Uplink / LTE 5 MHz / Upper Edge / AGC threshold +10 dB / ANT 1



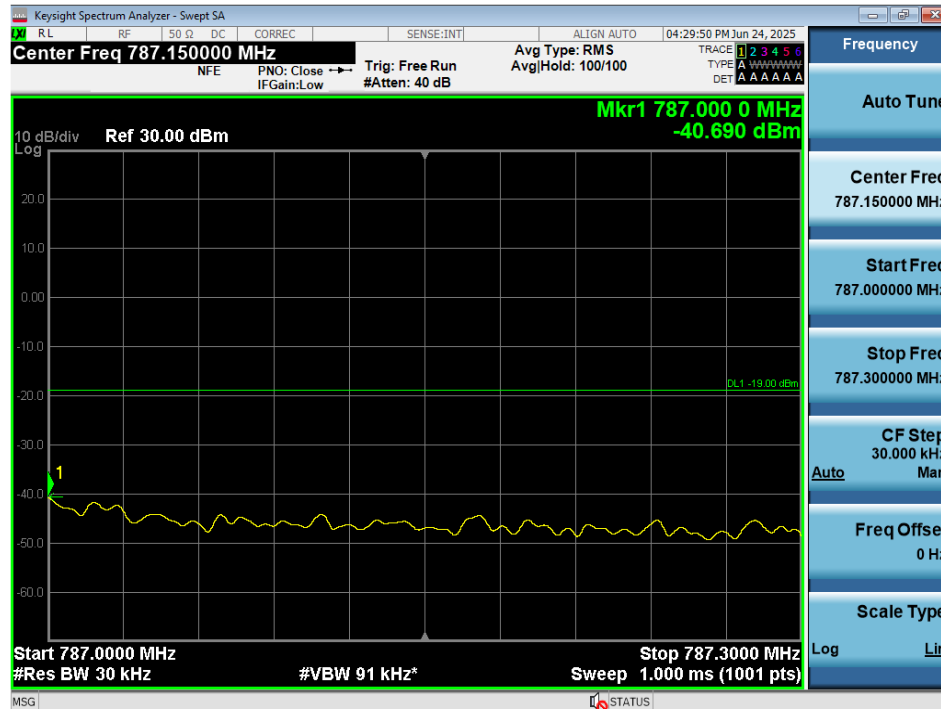
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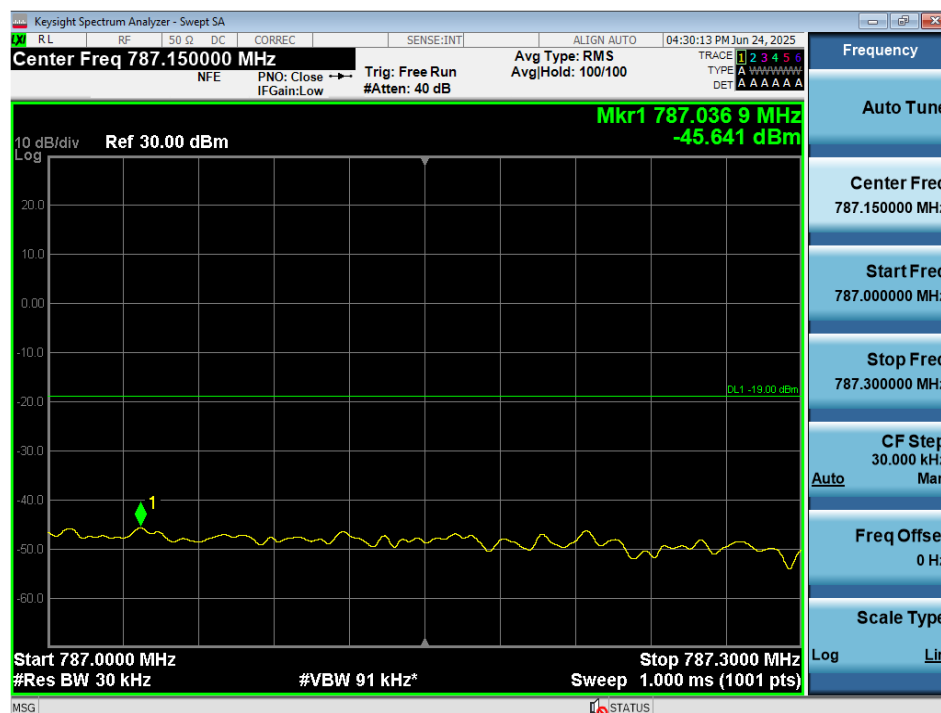
Out-of-Band Emissions / Upper 700 MHz / Uplink / LTE 5 MHz / Lower Edge / AGC threshold +10 dB / ANT 1



Out-of-Band Emissions / Upper 700 MHz / Uplink / CDMA / Upper Edge / AGC threshold / ANT 1



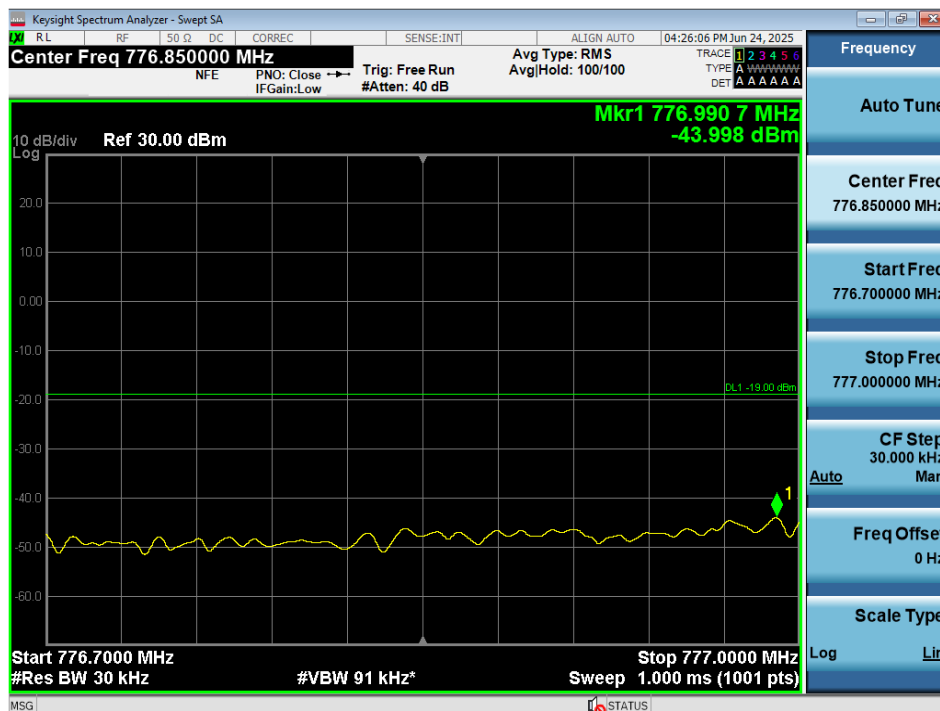
Out-of-Band Emissions / Upper 700 MHz / Uplink / CDMA / Upper Edge / AGC threshold +10 dB / ANT 1



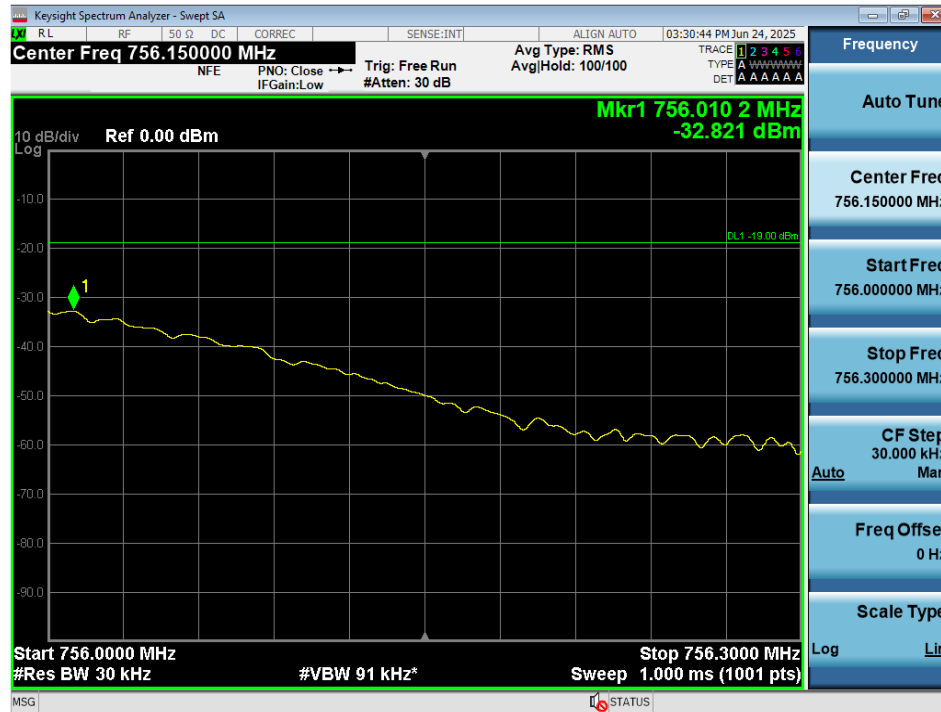
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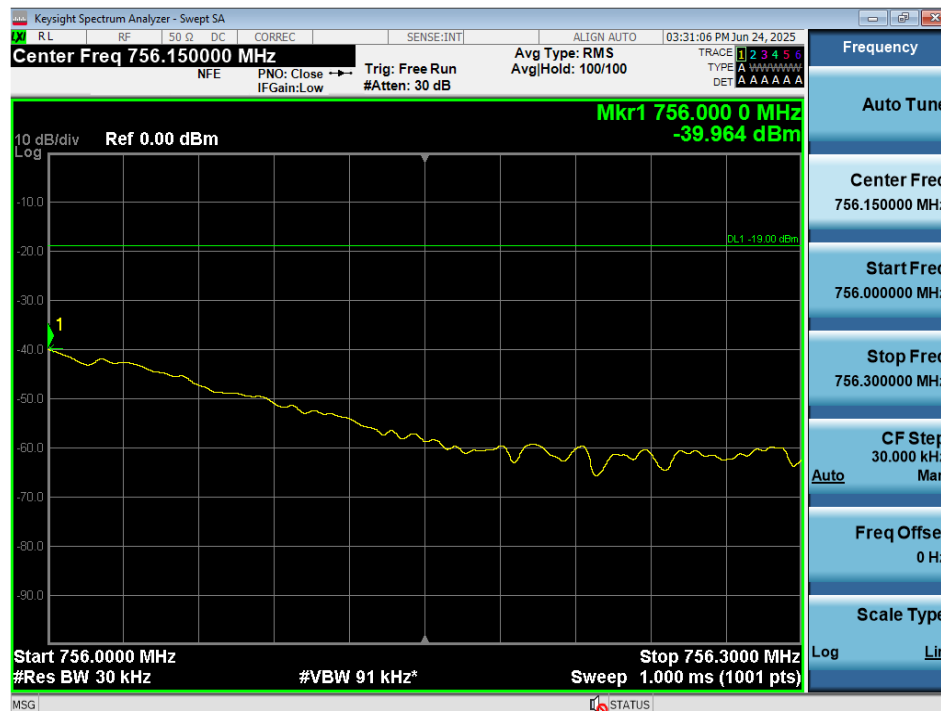
Out-of-Band Emissions / Upper 700 MHz / Uplink / CDMA / Lower Edge / AGC threshold +10 dB / ANT 1



Out-of-Band Emissions / Upper 700 MHz / Downlink / GSM / Upper Edge / AGC threshold / ANT 1



Out-of-Band Emissions / Upper 700 MHz/ Downlink / GSM / Upper Edge / AGC threshold +10 dB / ANT 1



Out-of-Band Emissions / Upper 700 MHz / Downlink / GSM / Lower Edge / AGC threshold / ANT 1



Out-of-Band Emissions / Upper 700 MHz / Downlink / GSM / Lower Edge / AGC threshold +10 dB / ANT 1



Out-of-Band Emissions / Upper 700 MHz / Downlink / LTE 5 MHz / Upper Edge / AGC threshold / ANT 1



Out-of-Band Emissions / Upper 700 MHz / Downlink / LTE 5 MHz / Upper Edge / AGC threshold +10 dB / ANT 1



Out-of-Band Emissions / Upper 700 MHz / Downlink / LTE 5 MHz / Lower Edge / AGC threshold / ANT 1



Out-of-Band Emissions / Upper 700 MHz / Downlink / LTE 5 MHz / Lower Edge / AGC threshold +10 dB / ANT 1



Out-of-Band Emissions / Upper 700 MHz / Downlink / CDMA / Upper Edge / AGC threshold / ANT 1



Out-of-Band Emissions / Upper 700 MHz / Downlink / CDMA / Upper Edge / AGC threshold +10 dB / ANT 1



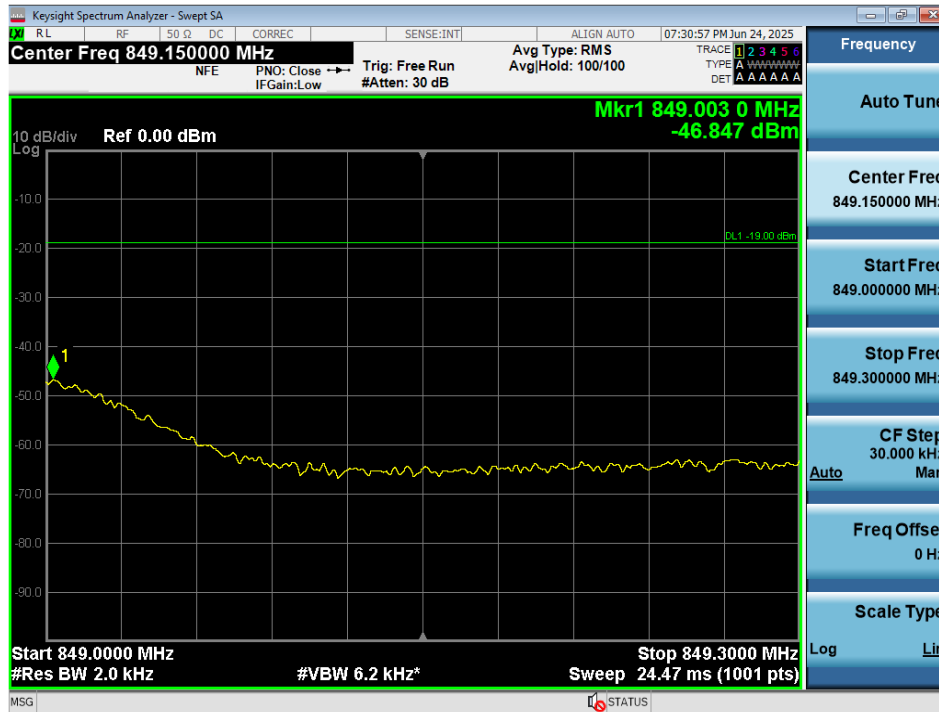
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Out-of-Band Emissions / Upper 700 MHz / Downlink / CDMA / Lower Edge / AGC threshold +10 dB / ANT 1



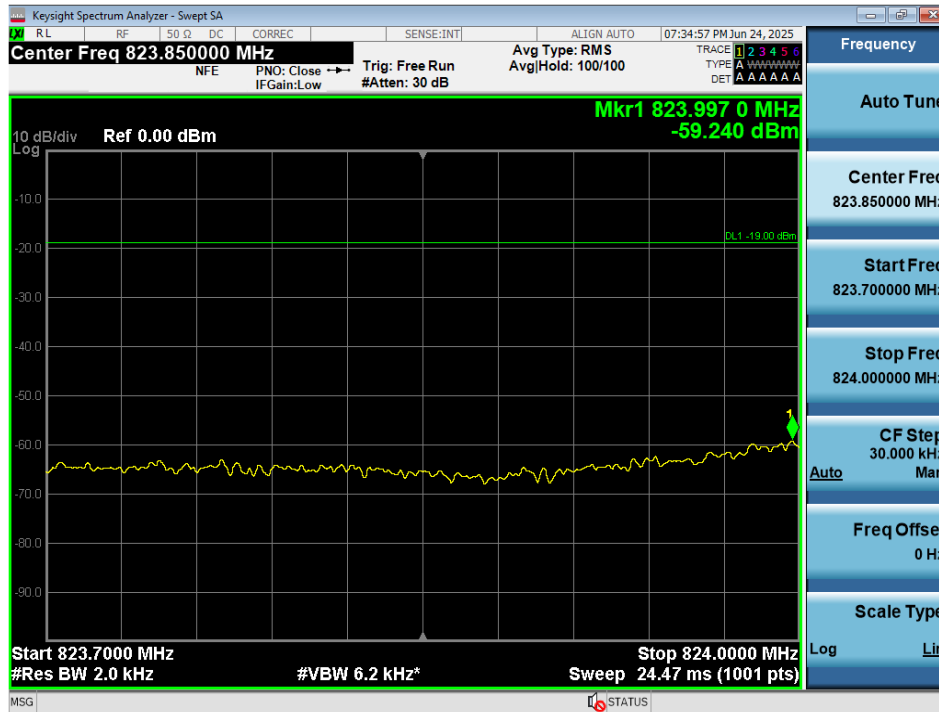
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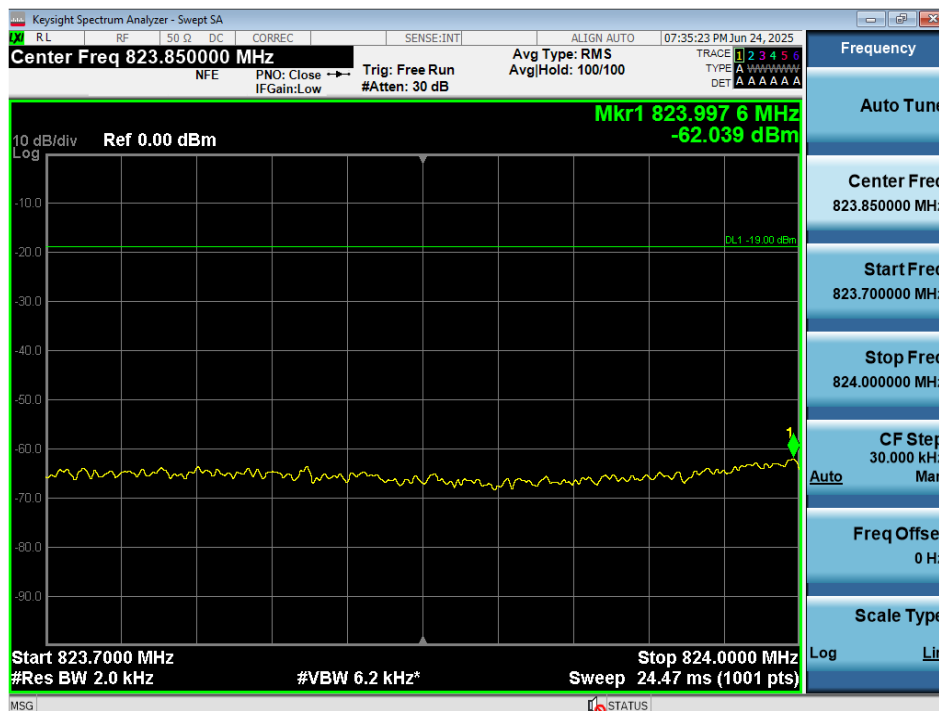
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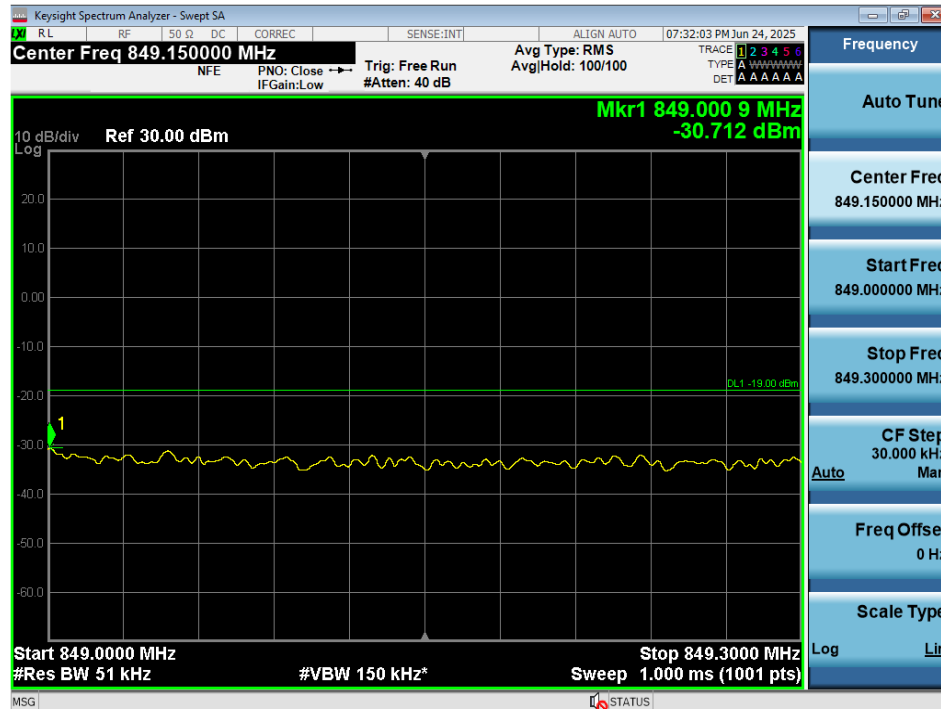
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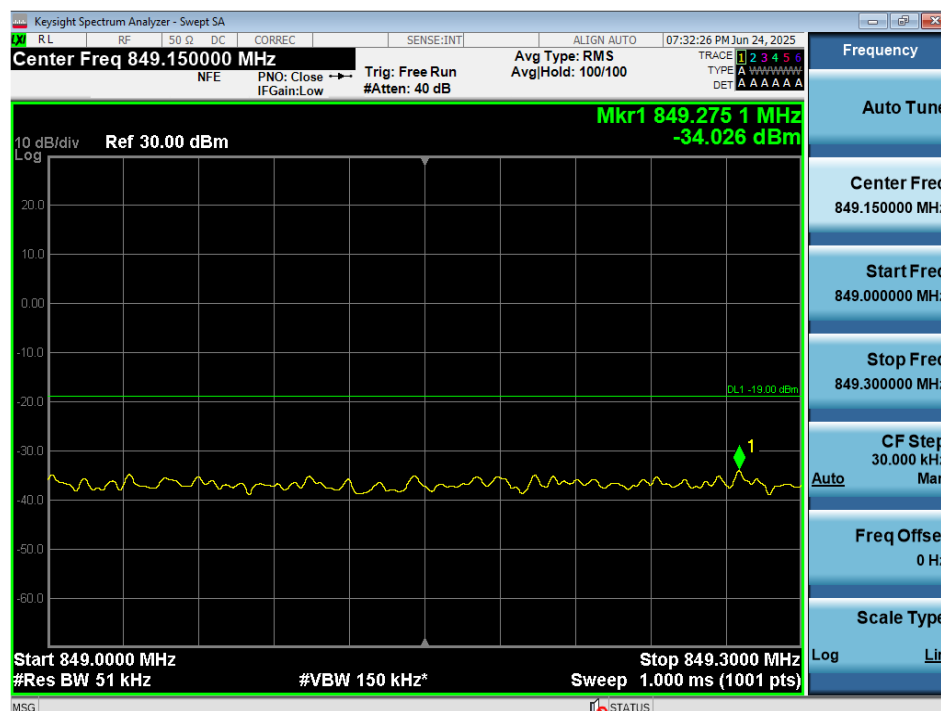
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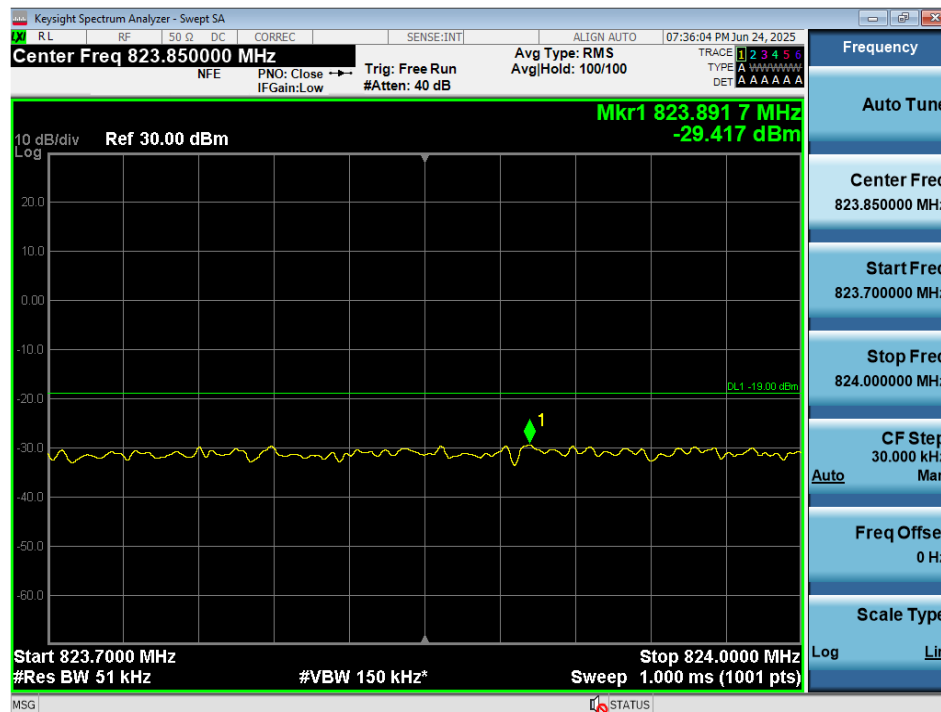
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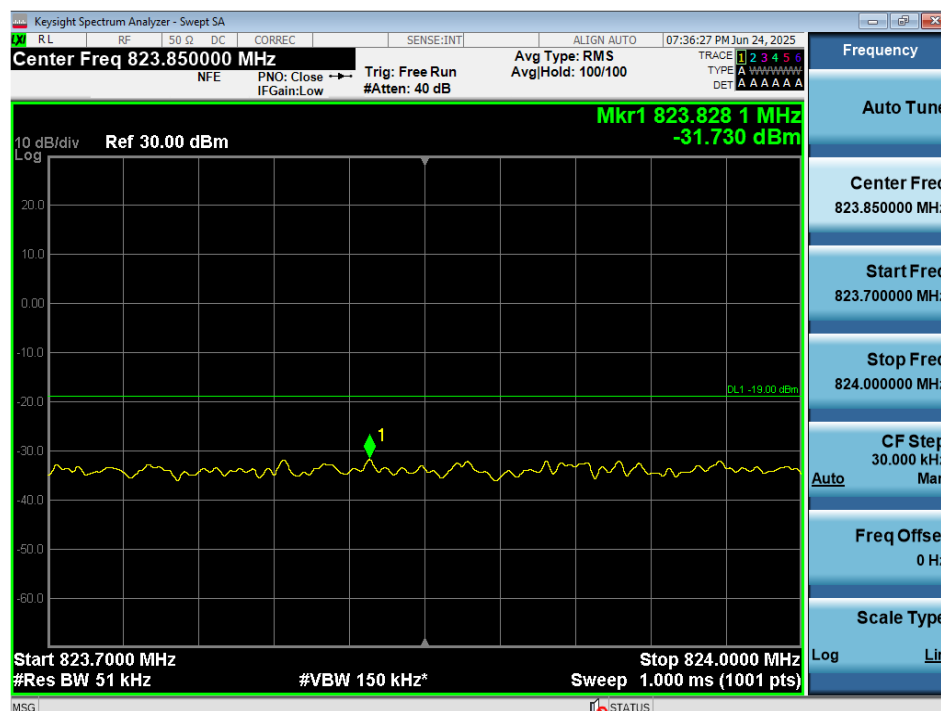
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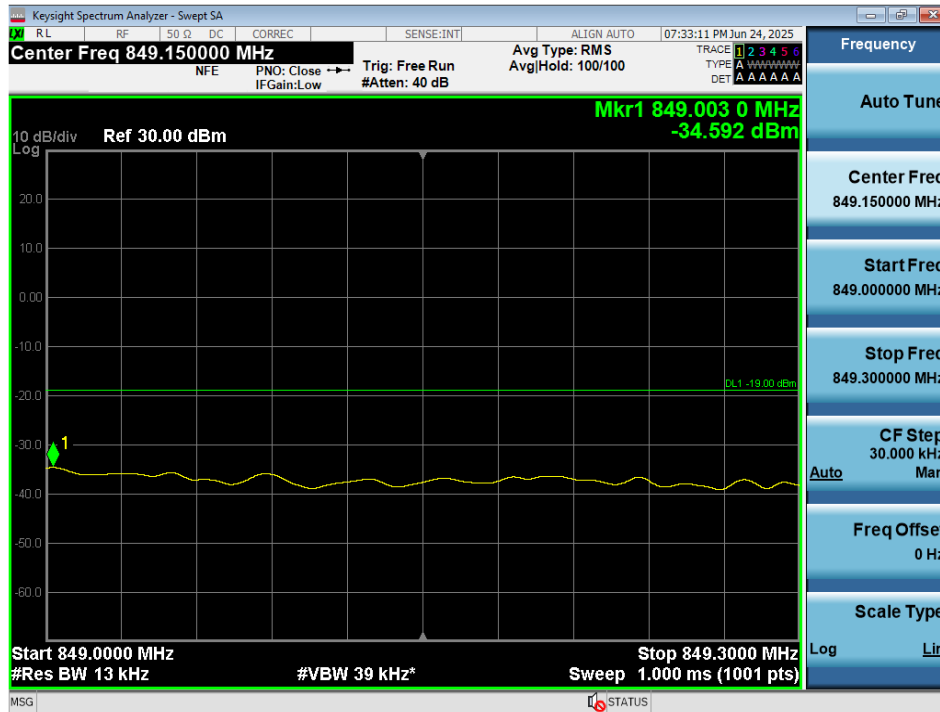
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Out-of-Band Emissions / Cellular / Uplink / LTE 5 MHz / Lower Edge / AGC threshold +10 dB / ANT 1



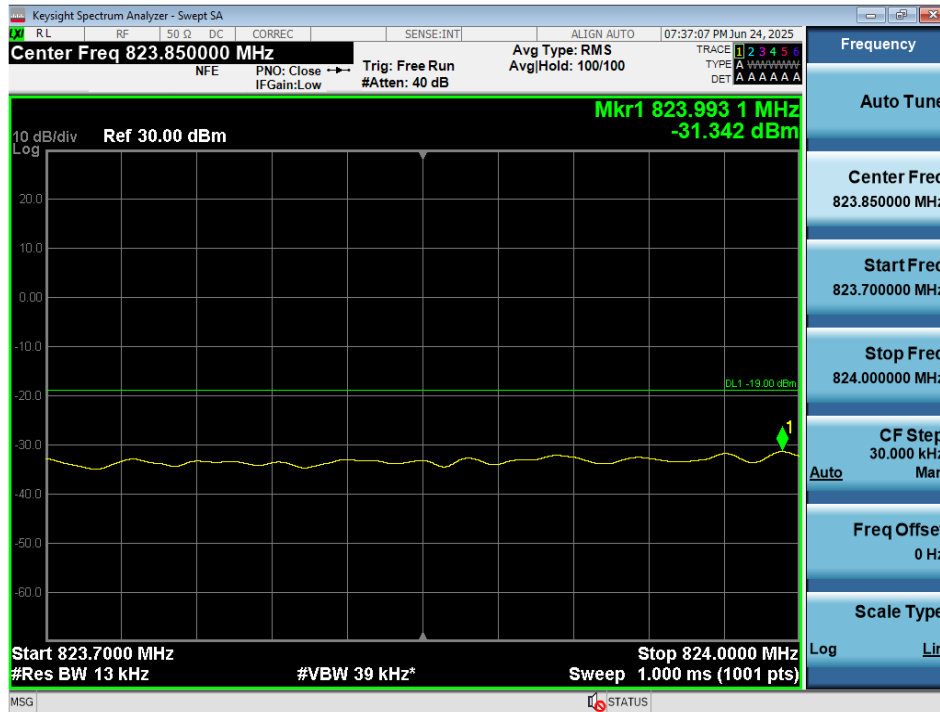
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Out-of-Band Emissions / Cellular / Uplink / CDMA / Upper Edge / AGC threshold +10 dB / ANT 1



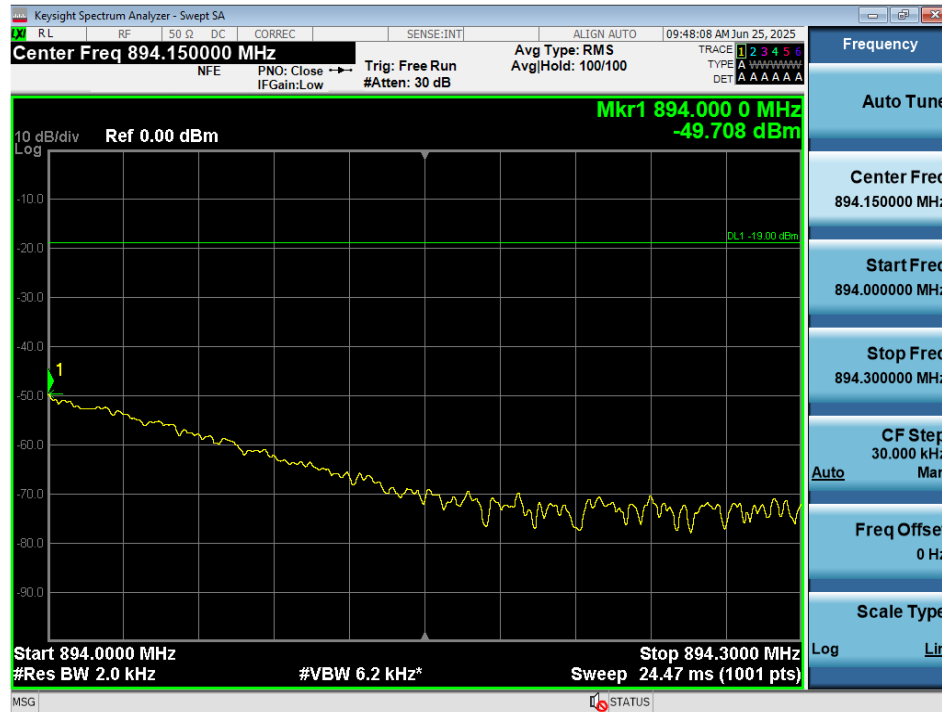
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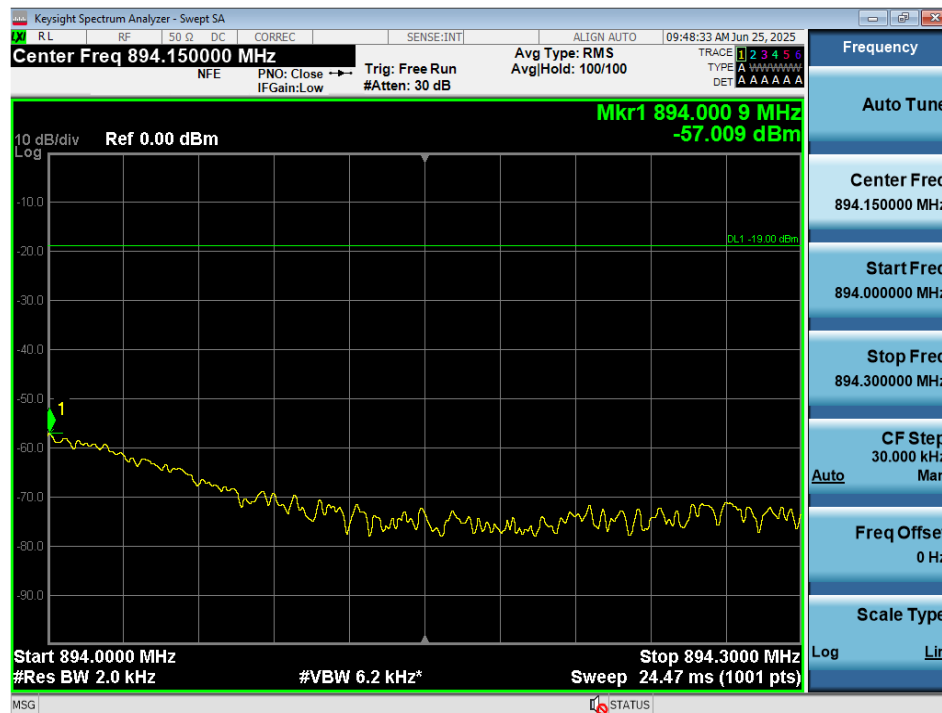
Out-of-Band Emissions / Cellular / Uplink / CDMA / Lower Edge / AGC threshold +10 dB / ANT 1



Out-of-Band Emissions / Cellular / Downlink / GSM / Upper Edge / AGC threshold / ANT 1



Out-of-Band Emissions / Cellular/ Downlink / GSM / Upper Edge / AGC threshold +10 dB / ANT 1



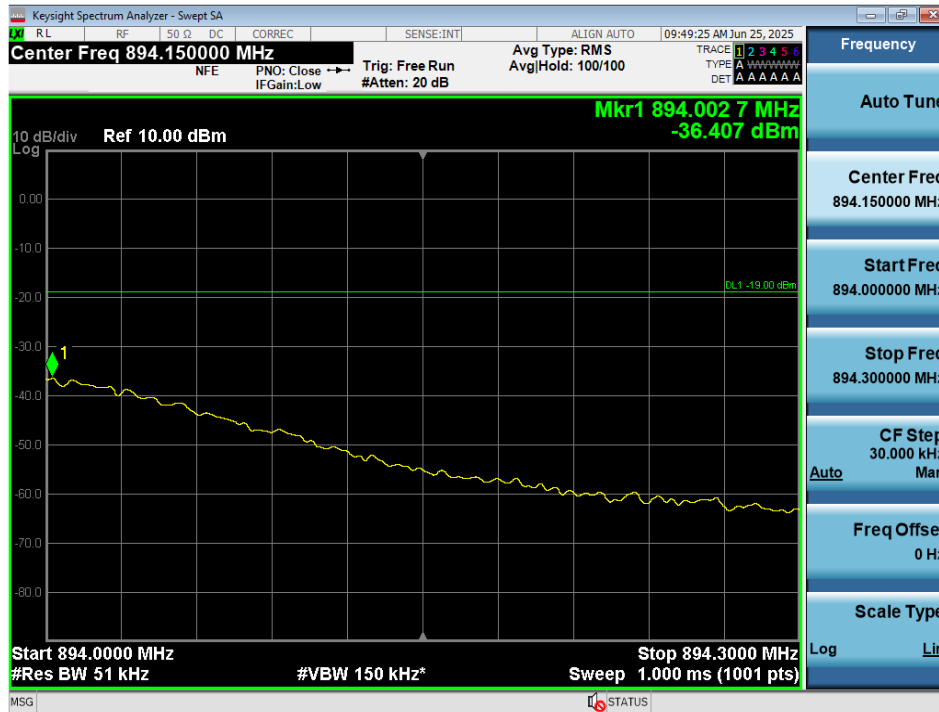
Out-of-Band Emissions / Cellular / Downlink / GSM / Lower Edge / AGC threshold / ANT 1



Out-of-Band Emissions / Cellular / Downlink / GSM / Lower Edge / AGC threshold +10 dB / ANT 1



Out-of-Band Emissions / Cellular / Downlink / LTE 5 MHz / Upper Edge / AGC threshold / ANT 1



Out-of-Band Emissions / Cellular / Downlink / LTE 5 MHz / Upper Edge / AGC threshold +10 dB / ANT 1



Out-of-Band Emissions / Cellular / Downlink / LTE 5 MHz / Lower Edge / AGC threshold / ANT 1



Out-of-Band Emissions / Cellular / Downlink / LTE 5 MHz / Lower Edge / AGC threshold +10 dB / ANT 1



Out-of-Band Emissions / Cellular / Downlink / CDMA / Upper Edge / AGC threshold / ANT 1



Out-of-Band Emissions / Cellular / Downlink / CDMA / Upper Edge / AGC threshold +10 dB / ANT 1



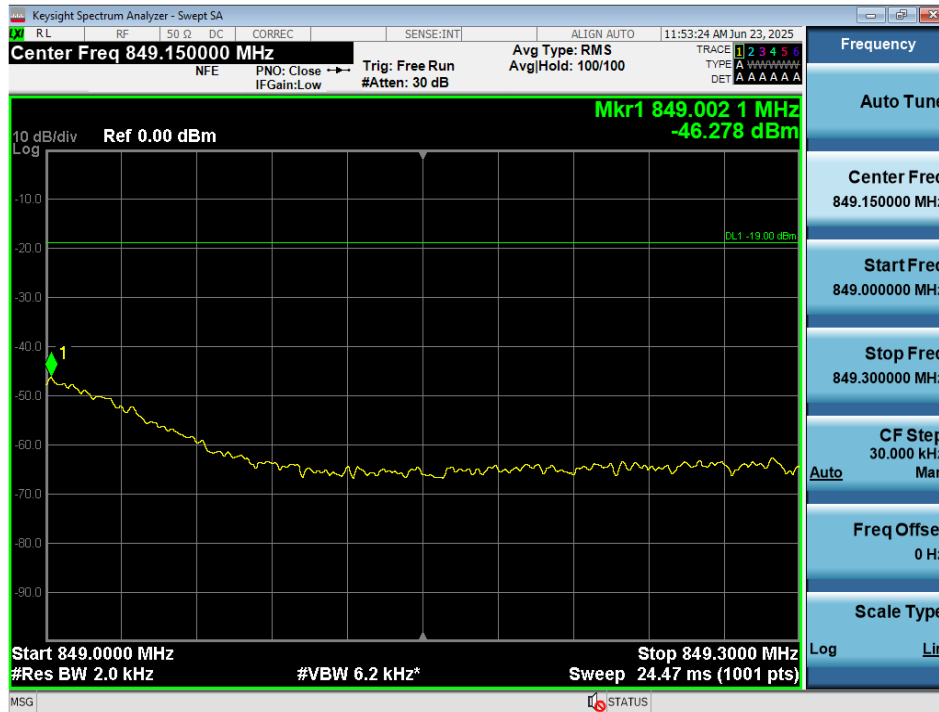
Out-of-Band Emissions / Cellular / Downlink / CDMA / Lower Edge / AGC threshold / ANT 1



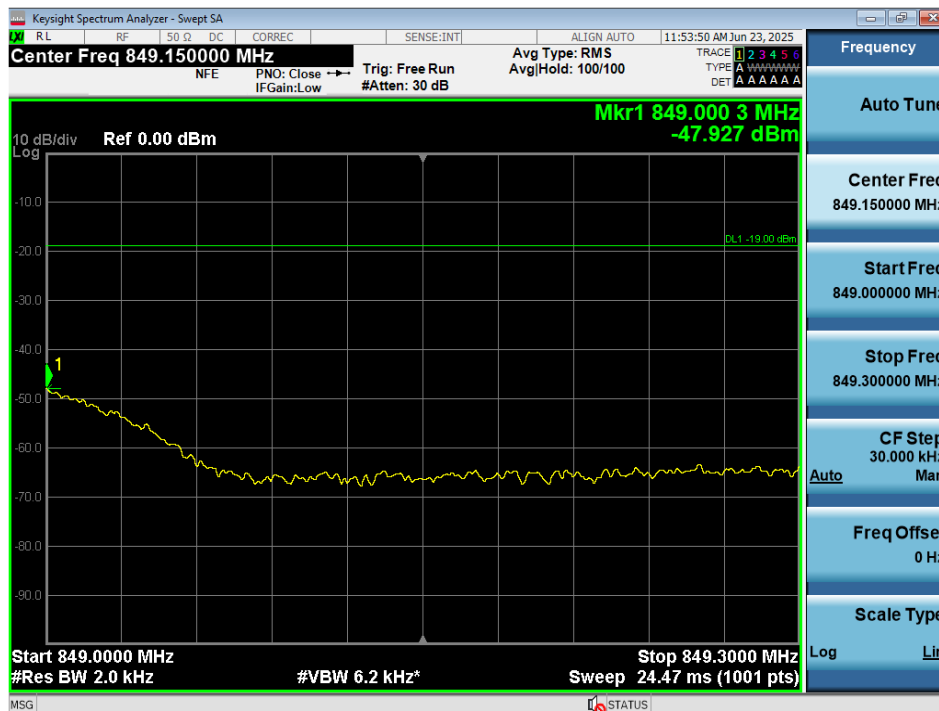
Out-of-Band Emissions / Cellular / Downlink / CDMA / Lower Edge / AGC threshold +10 dB / ANT 1



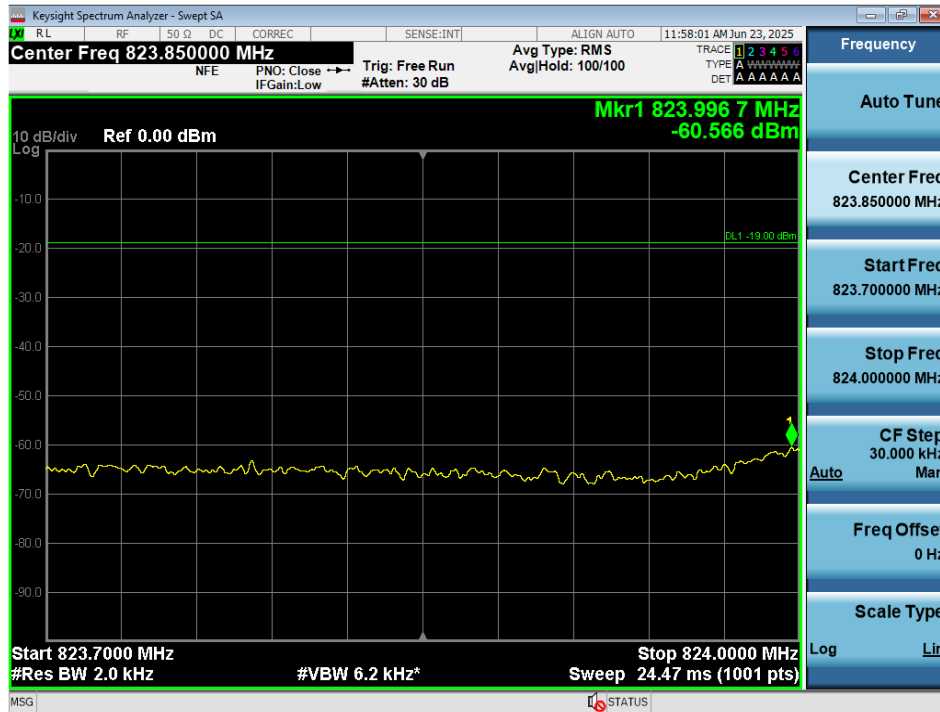
Out-of-Band Emissions / Cellular / Uplink / GSM / Upper Edge / AGC threshold / ANT 2



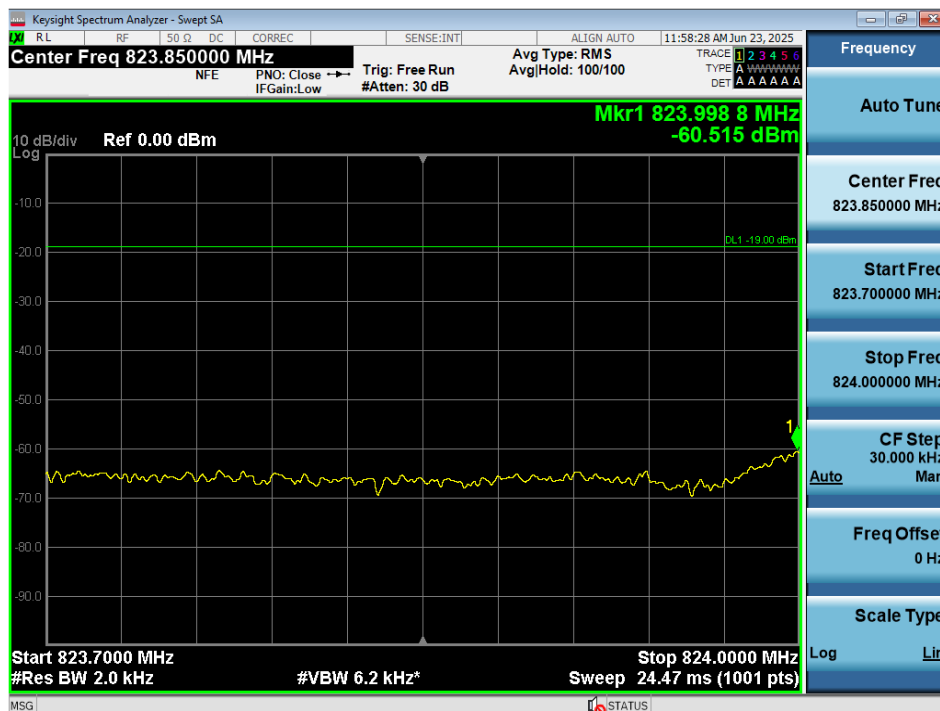
Out-of-Band Emissions / Cellular/ Uplink / GSM / Upper Edge / AGC threshold +10 dB / ANT 2



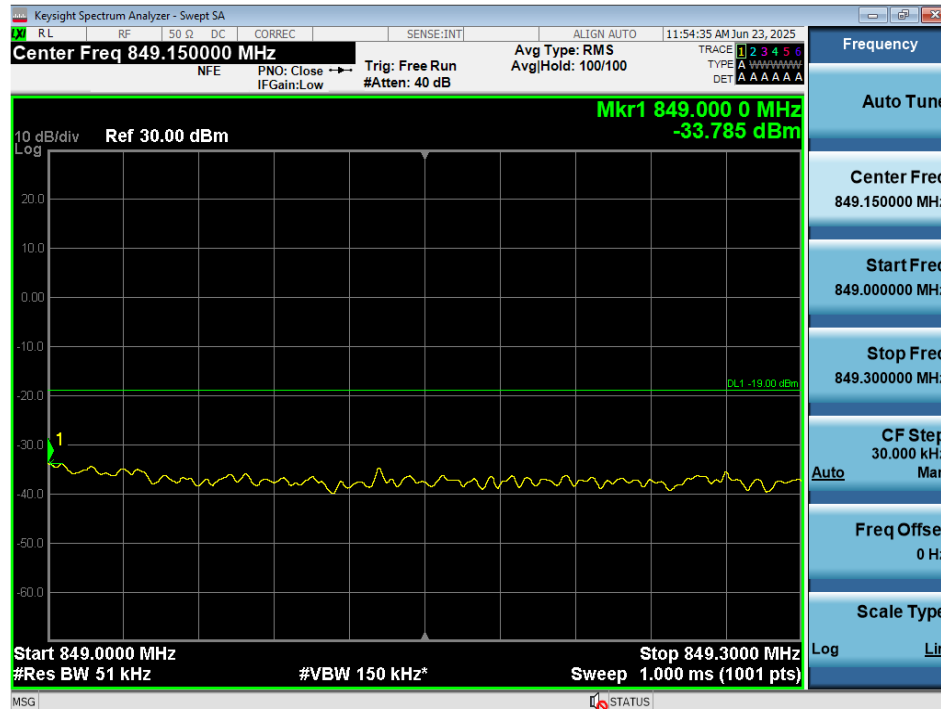
Out-of-Band Emissions / Cellular / Uplink / GSM / Lower Edge / AGC threshold / ANT 2



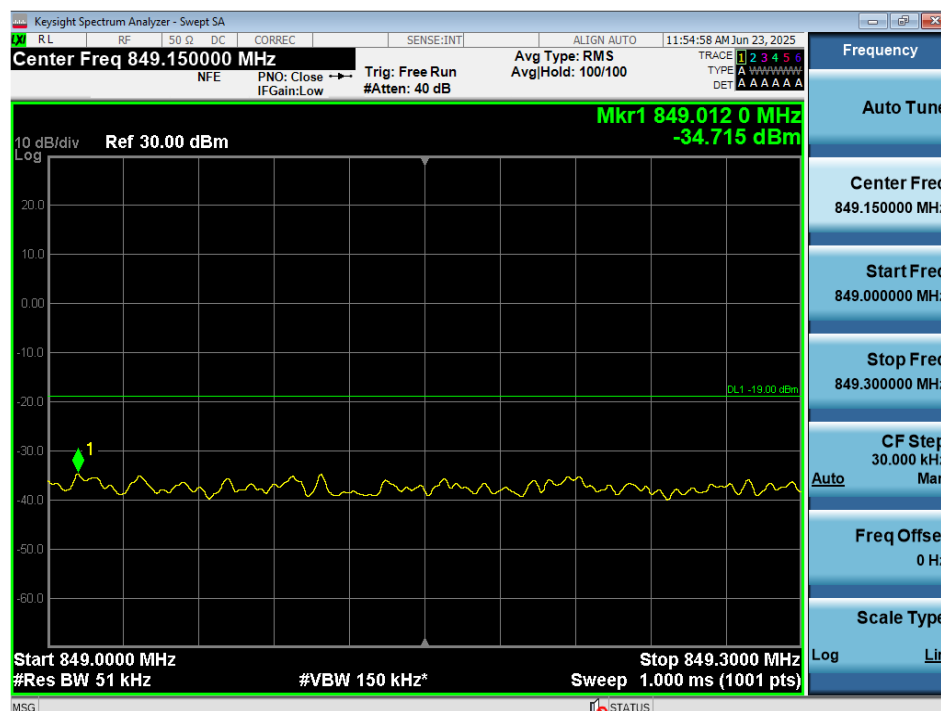
Out-of-Band Emissions / Cellular / Uplink / GSM / Lower Edge / AGC threshold +10 dB / ANT 2



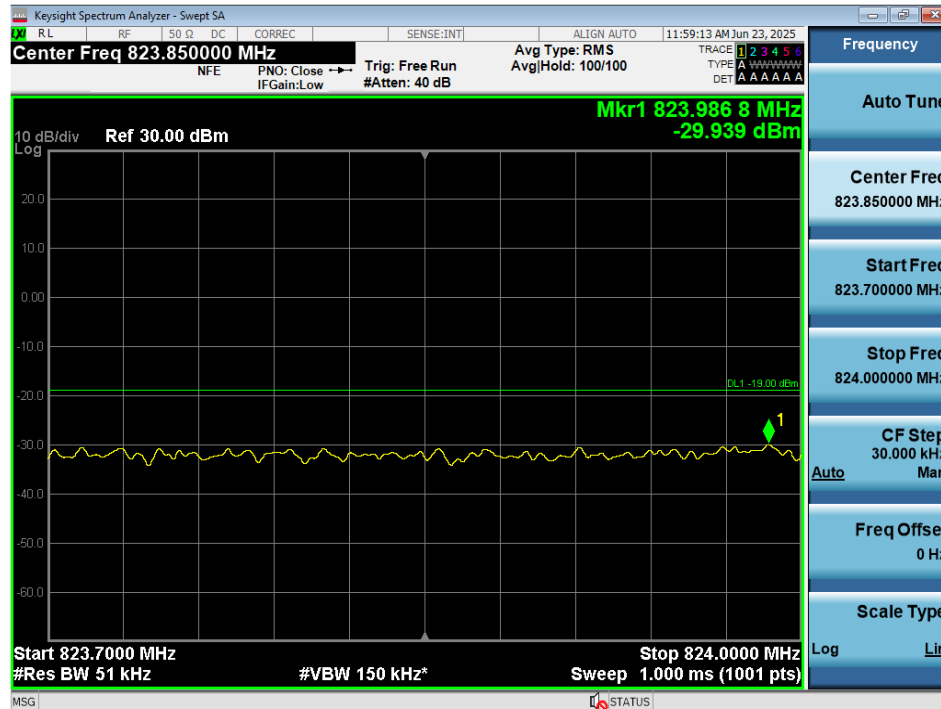
Out-of-Band Emissions / Cellular / Uplink / LTE 5 MHz / Upper Edge / AGC threshold / ANT 2



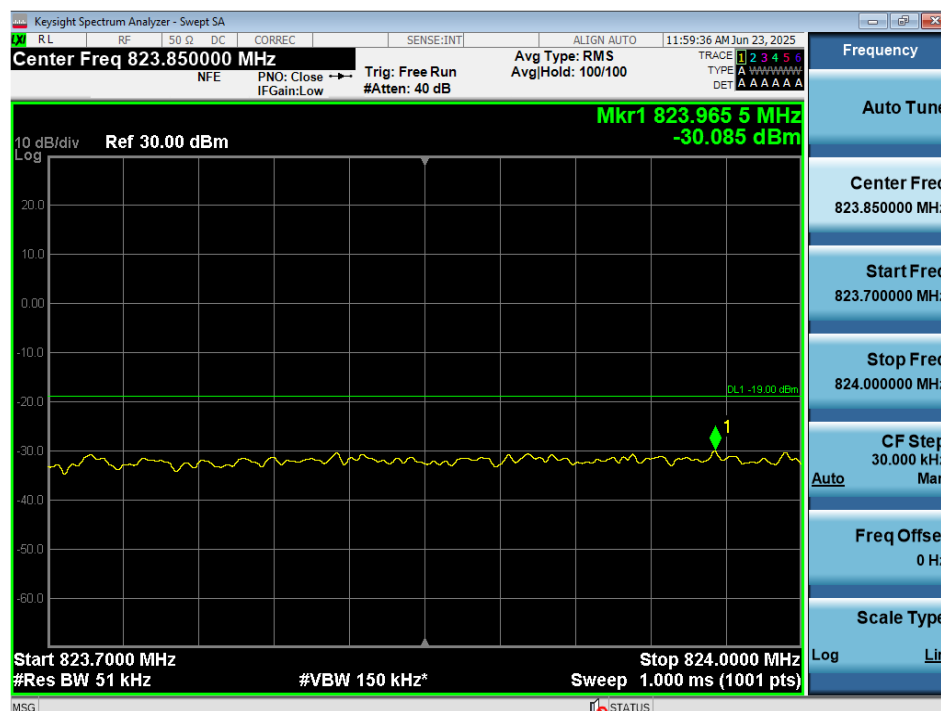
Out-of-Band Emissions / Cellular / Uplink / LTE 5 MHz / Upper Edge / AGC threshold +10 dB / ANT 2



Out-of-Band Emissions / Cellular / Uplink / LTE 5 MHz / Lower Edge / AGC threshold / ANT 2



Out-of-Band Emissions / Cellular / Uplink / LTE 5 MHz / Lower Edge / AGC threshold +10 dB / ANT 2



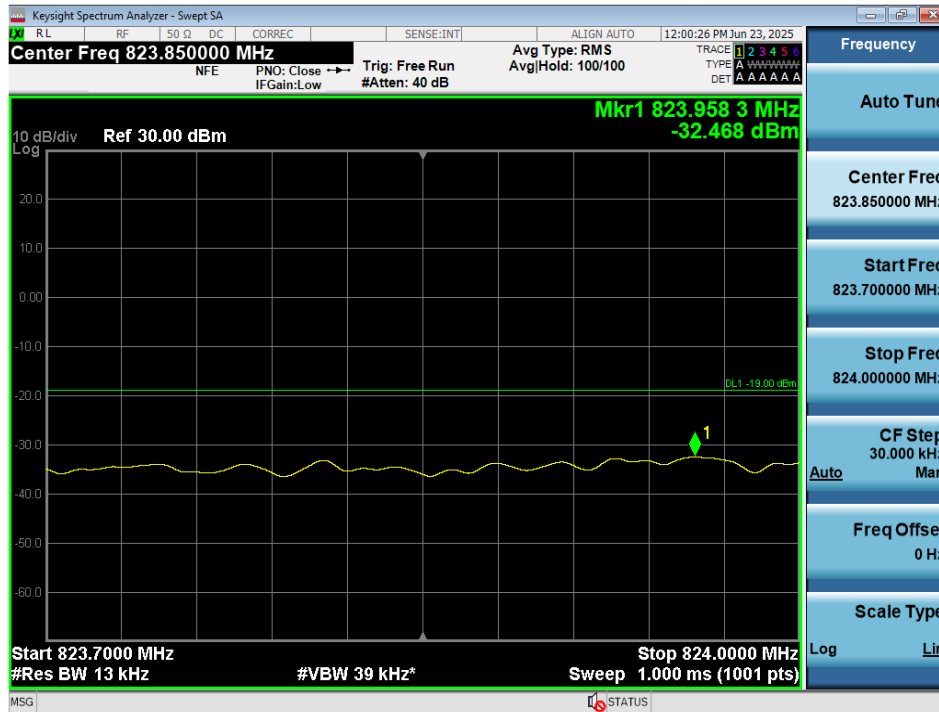
Out-of-Band Emissions / Cellular / Uplink / CDMA / Upper Edge / AGC threshold / ANT 2



Out-of-Band Emissions / Cellular / Uplink / CDMA / Upper Edge / AGC threshold +10 dB / ANT 2



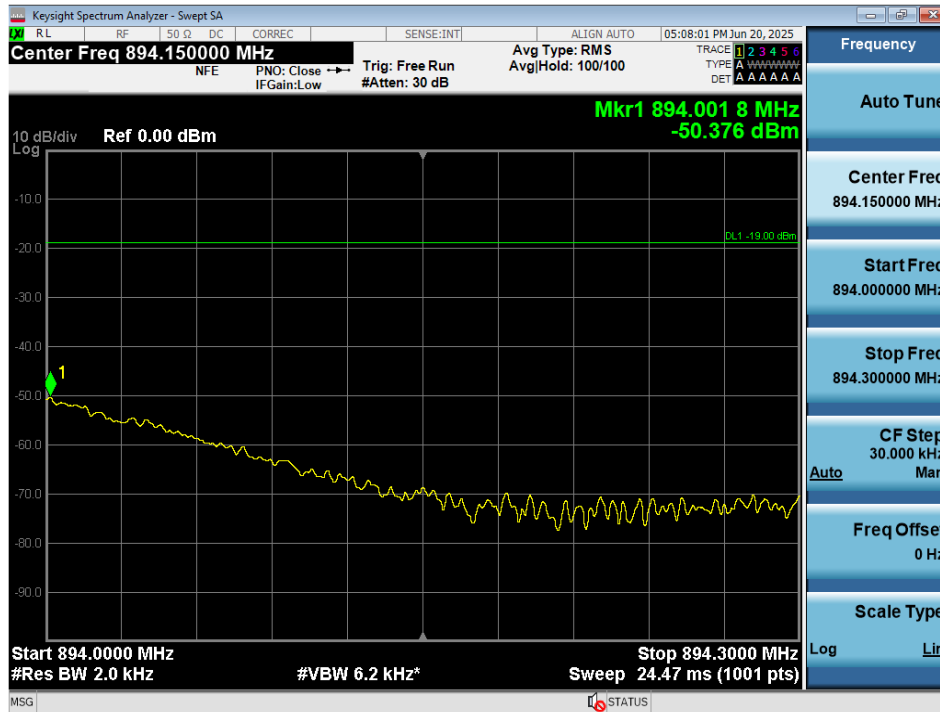
Out-of-Band Emissions / Cellular / Uplink / CDMA / Lower Edge / AGC threshold / ANT 2



Out-of-Band Emissions / Cellular / Uplink / CDMA / Lower Edge / AGC threshold +10 dB / ANT 2



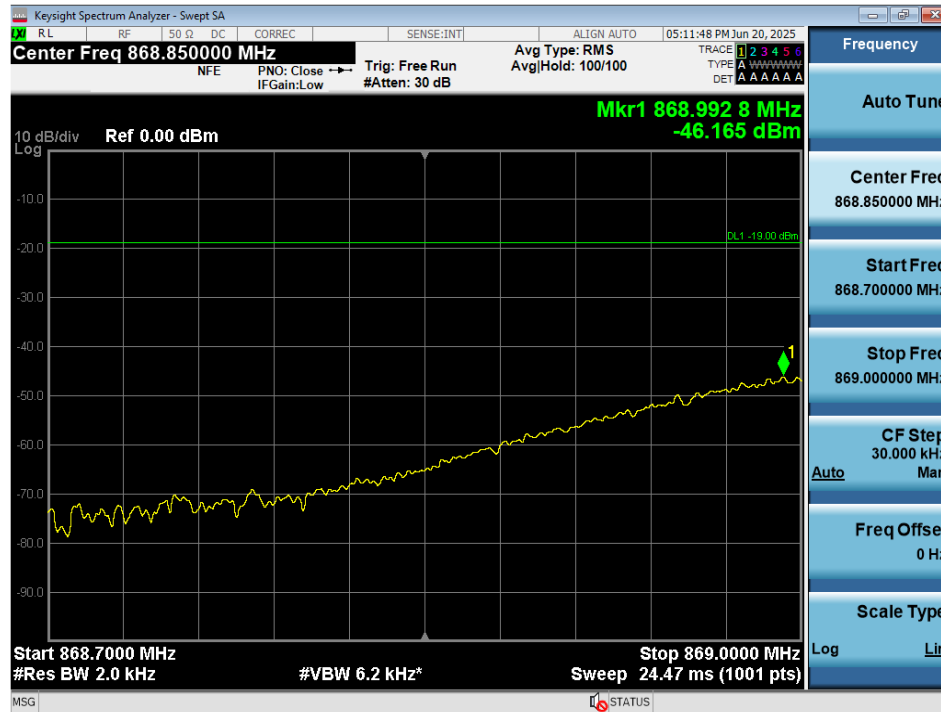
Out-of-Band Emissions / Cellular / Downlink / GSM / Upper Edge / AGC threshold / ANT 2



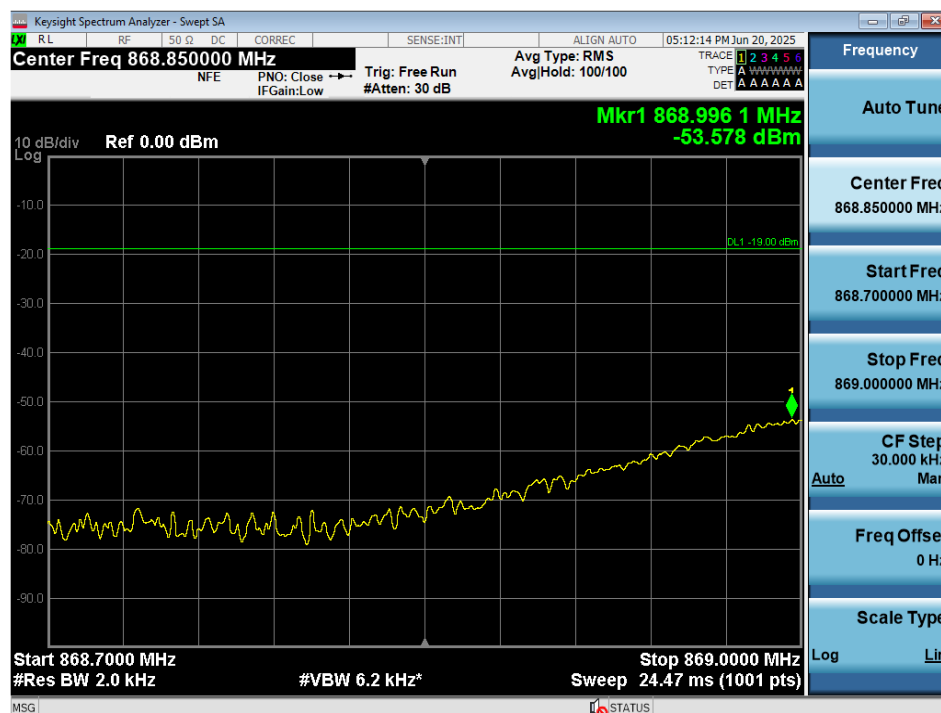
Out-of-Band Emissions / Cellular/ Downlink / GSM / Upper Edge / AGC threshold +10 dB / ANT 2



Out-of-Band Emissions / Cellular / Downlink / GSM / Lower Edge / AGC threshold / ANT 2



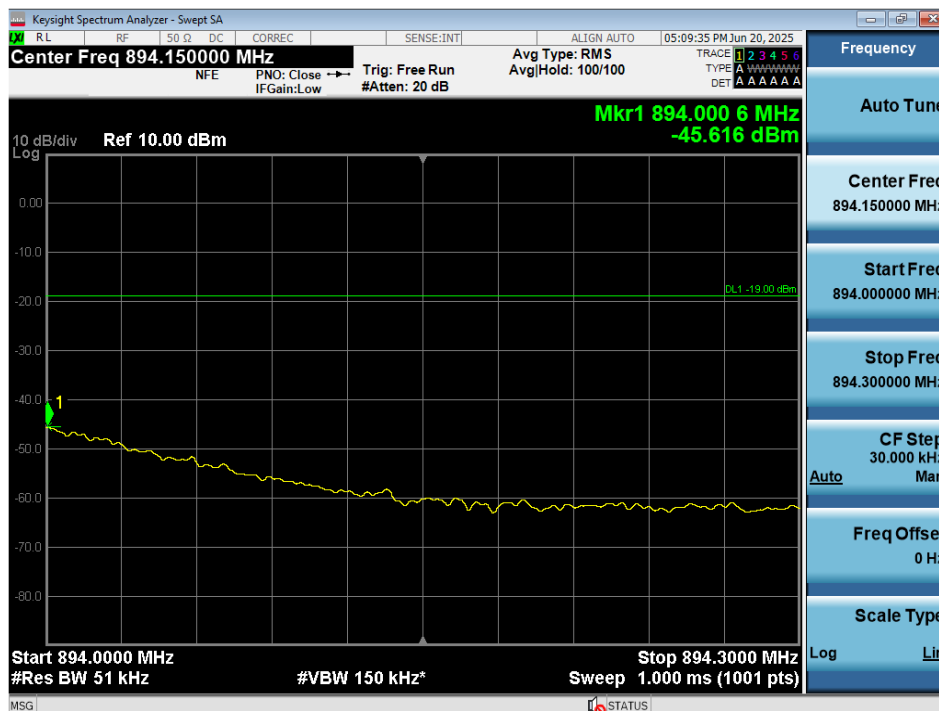
Out-of-Band Emissions / Cellular / Downlink / GSM / Lower Edge / AGC threshold +10 dB / ANT 2



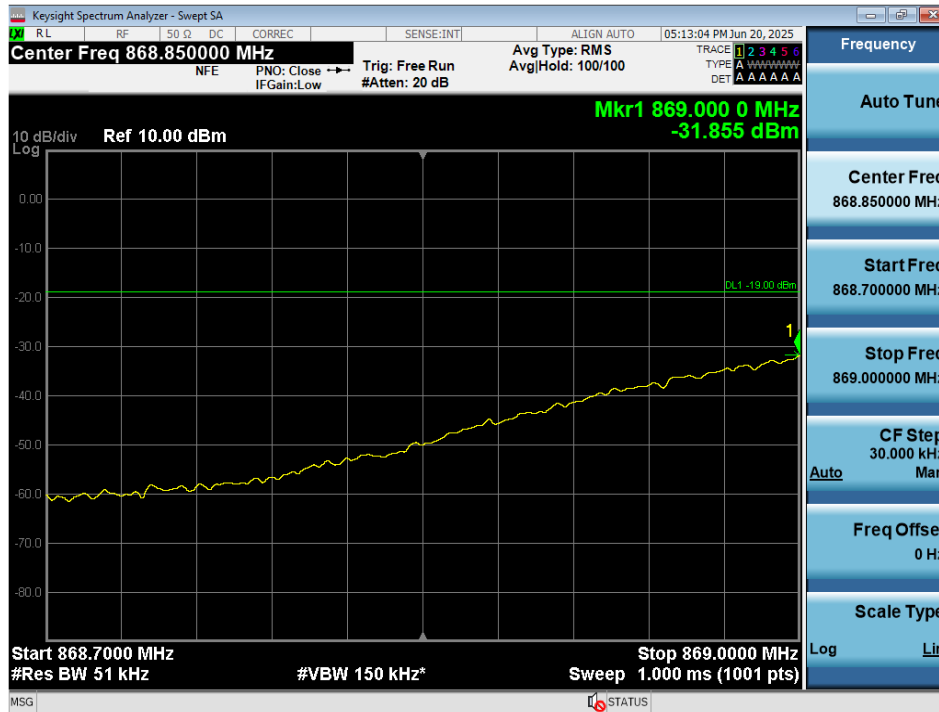
Out-of-Band Emissions / Cellular / Downlink / LTE 5 MHz / Upper Edge / AGC threshold / ANT 2



Out-of-Band Emissions / Cellular / Downlink / LTE 5 MHz / Upper Edge / AGC threshold +10 dB / ANT 2



Out-of-Band Emissions / Cellular / Downlink / LTE 5 MHz / Lower Edge / AGC threshold / ANT 2



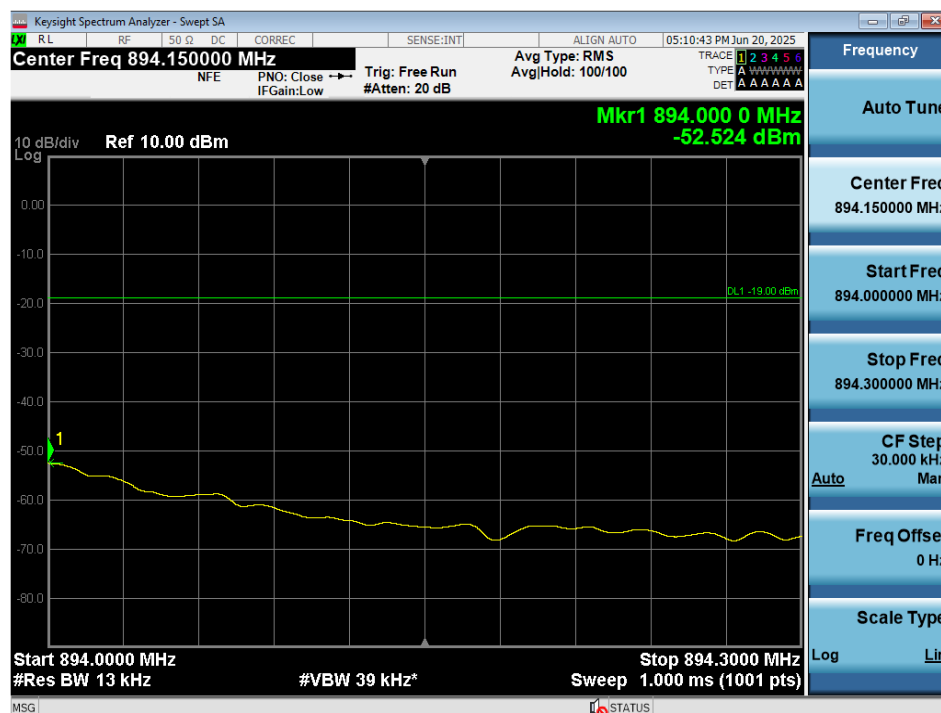
Out-of-Band Emissions / Cellular / Downlink / LTE 5 MHz / Lower Edge / AGC threshold +10 dB / ANT 2



Out-of-Band Emissions / Cellular / Downlink / CDMA / Upper Edge / AGC threshold / ANT 2



Out-of-Band Emissions / Cellular / Downlink / CDMA / Upper Edge / AGC threshold +10 dB / ANT 2



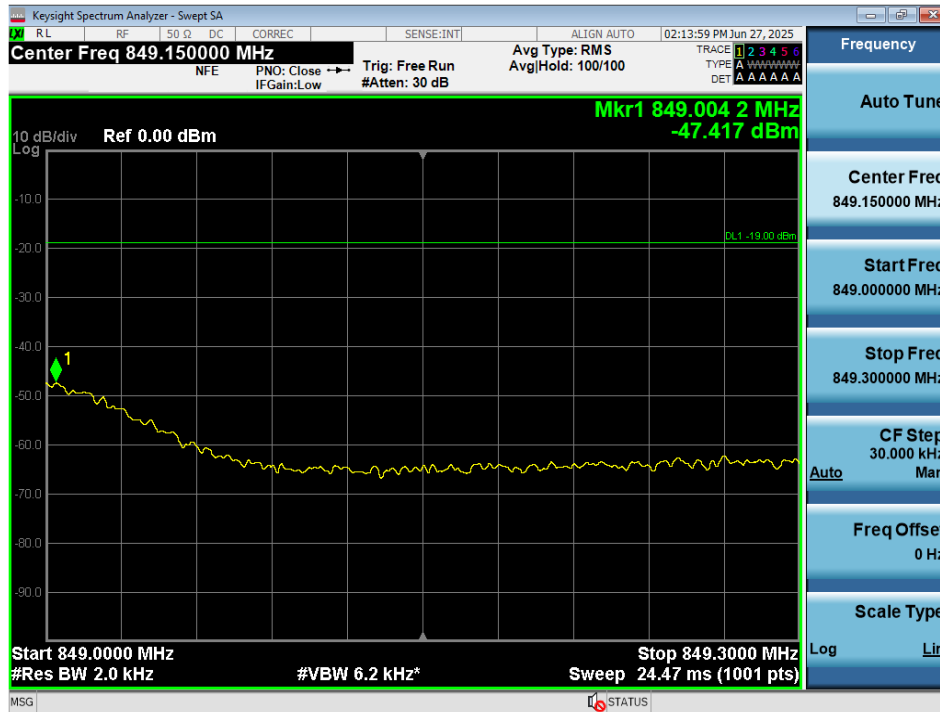
Out-of-Band Emissions / Cellular / Downlink / CDMA / Lower Edge / AGC threshold / ANT 2



Out-of-Band Emissions / Cellular / Downlink / CDMA / Lower Edge / AGC threshold +10 dB / ANT 2



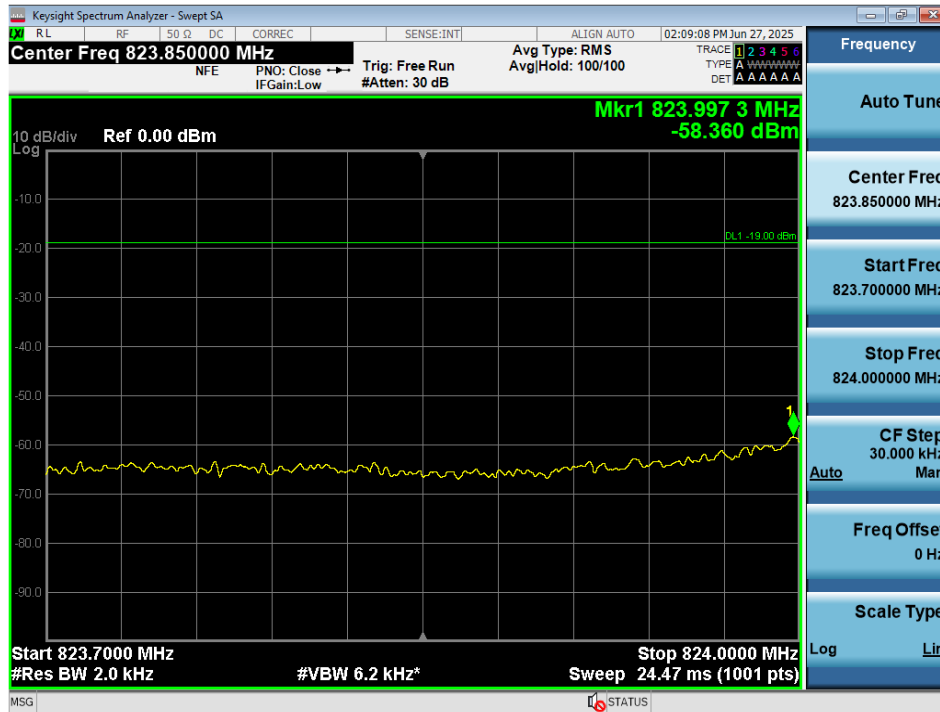
Out-of-Band Emissions / Cellular / Uplink / GSM / Upper Edge / AGC threshold / ANT 3



Out-of-Band Emissions / Cellular/ Uplink / GSM / Upper Edge / AGC threshold +10 dB / ANT 3



Out-of-Band Emissions / Cellular / Uplink / GSM / Lower Edge / AGC threshold / ANT 3



Out-of-Band Emissions / Cellular / Uplink / GSM / Lower Edge / AGC threshold +10 dB / ANT 3

