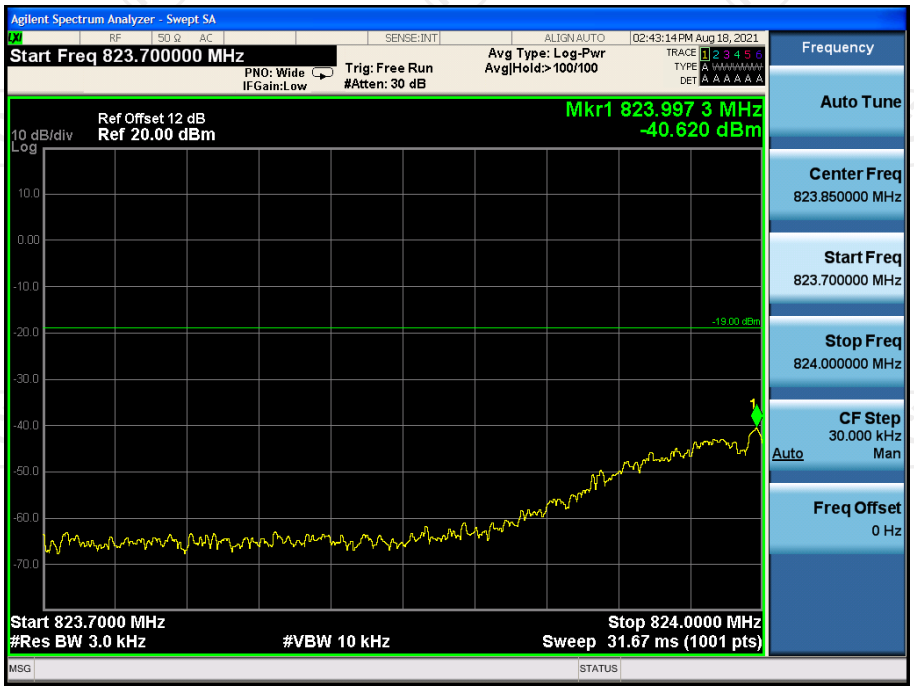
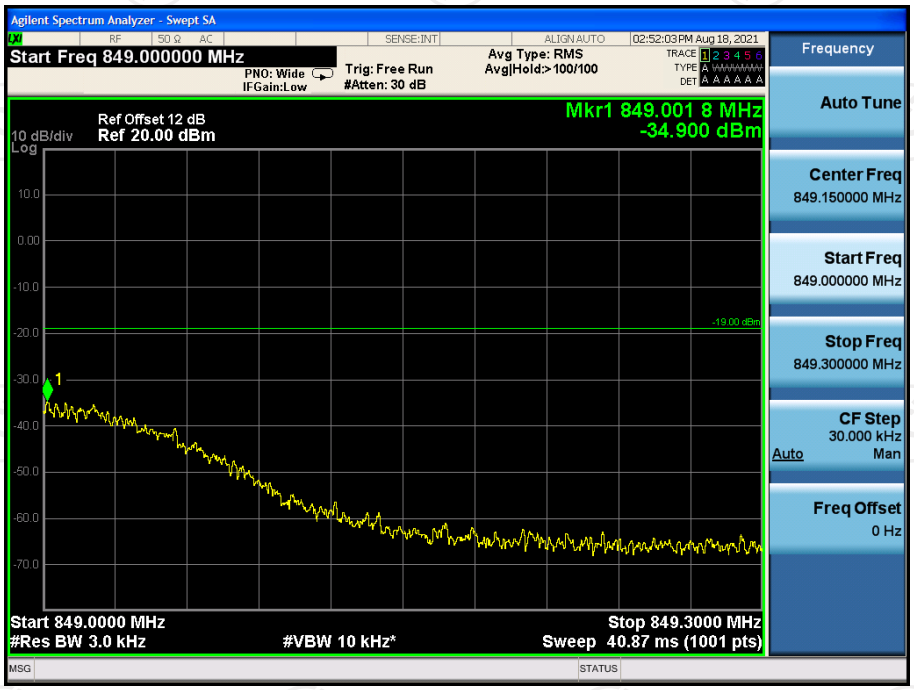
Cellular GSM UL Left Side Pre AGC

Cellular GSM UL Left Side Pre AGC+10dB

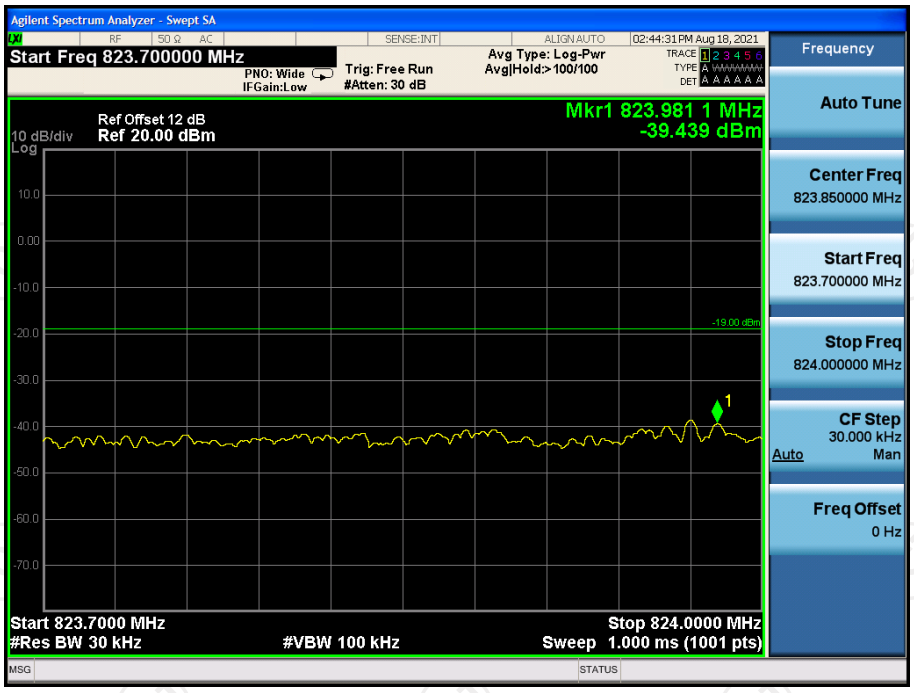


Cellular GSM UL Right Side Pre AGC

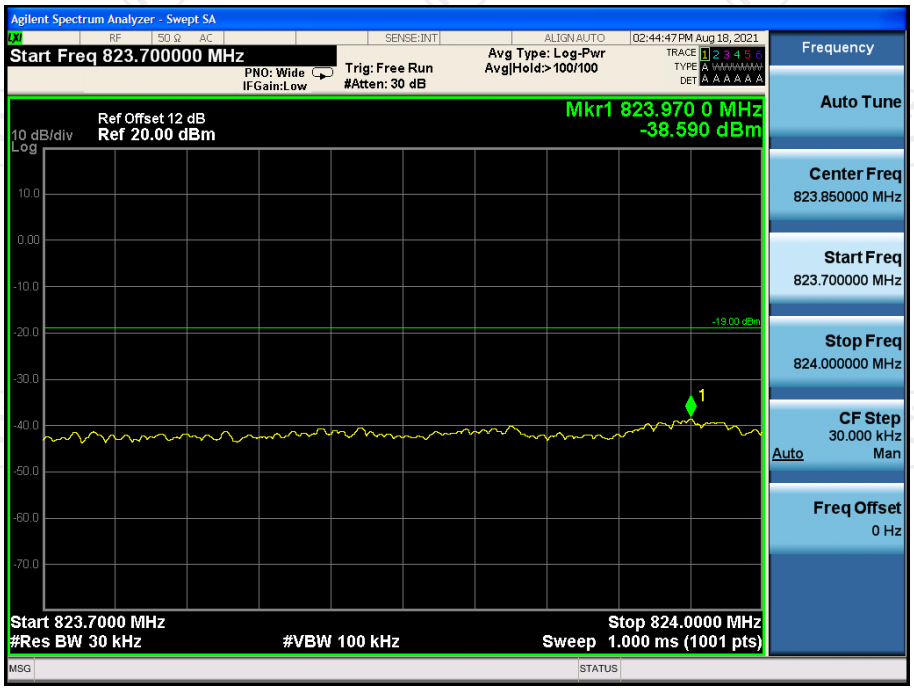
Cellular GSM UL Right Side Pre AGC+10dB



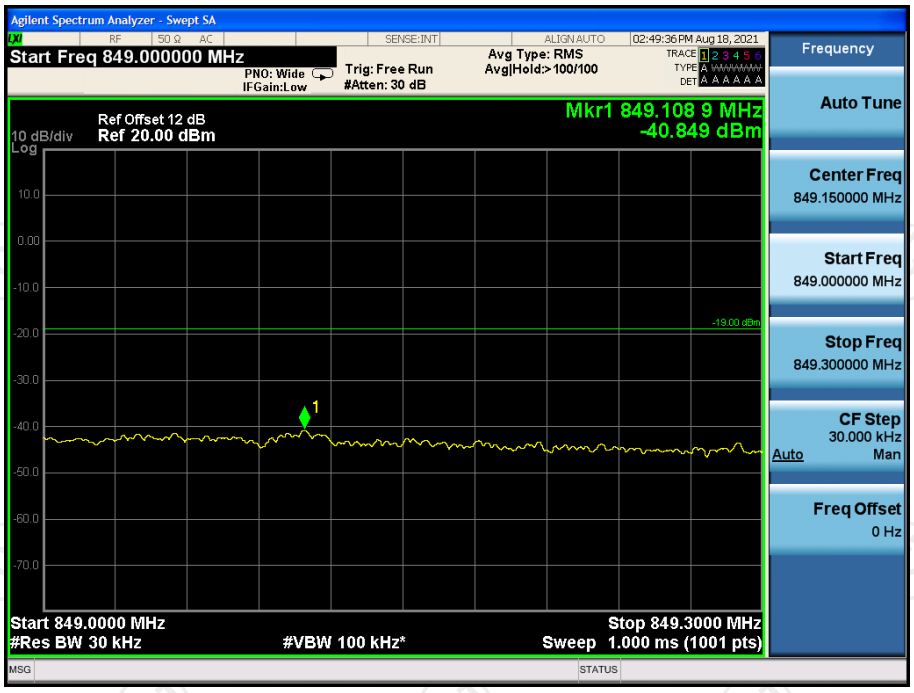
Cellular CDMA UL Left Side Pre AGC



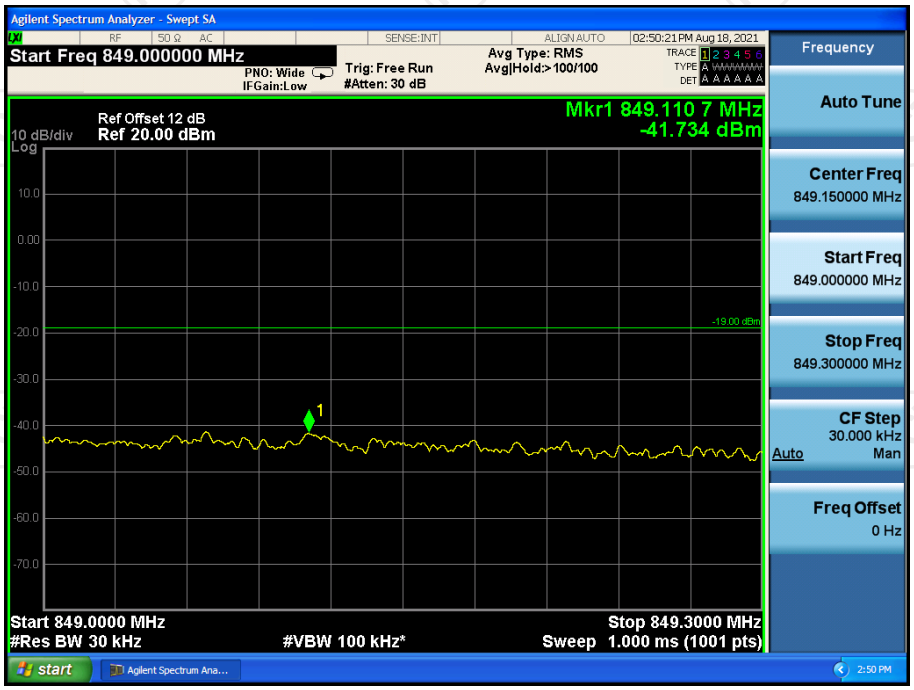
Cellular CDMA UL Left Side Pre AGC+10dB



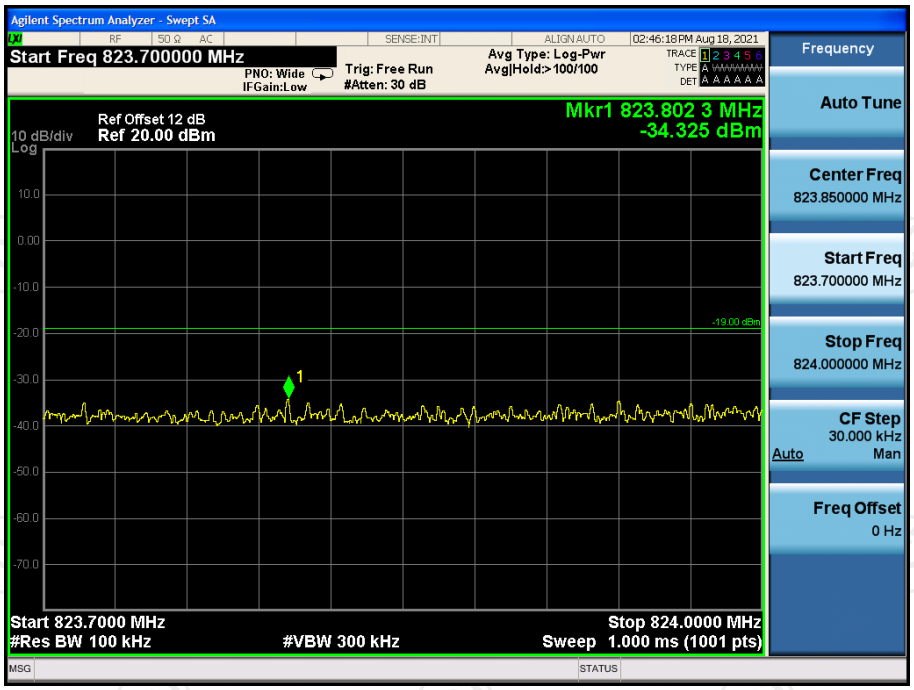
Cellular CDMA UL Right Side Pre AGC



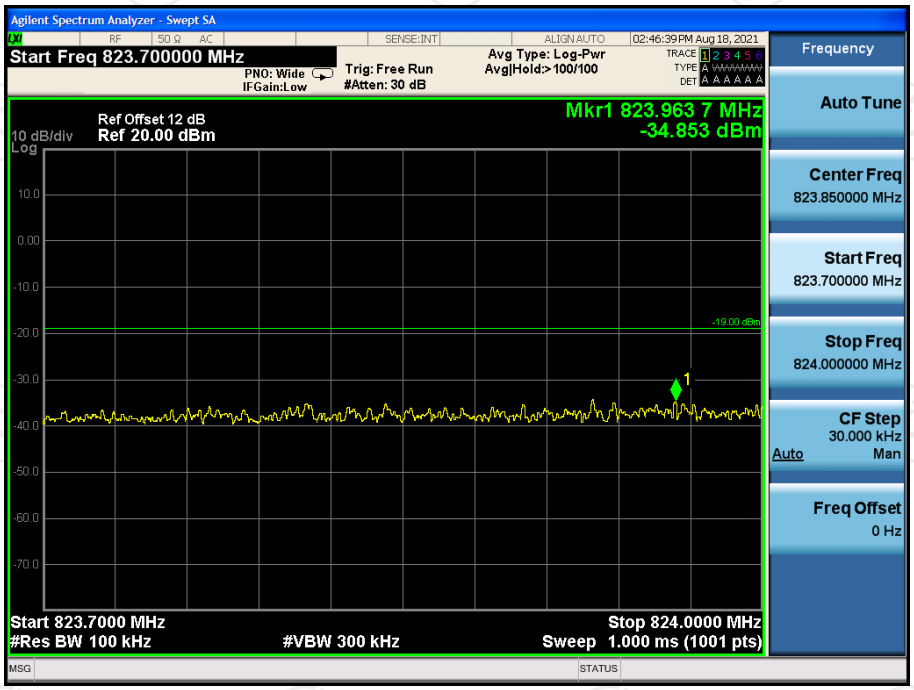
Cellular CDMA UL Right Side Pre AGC+10dB



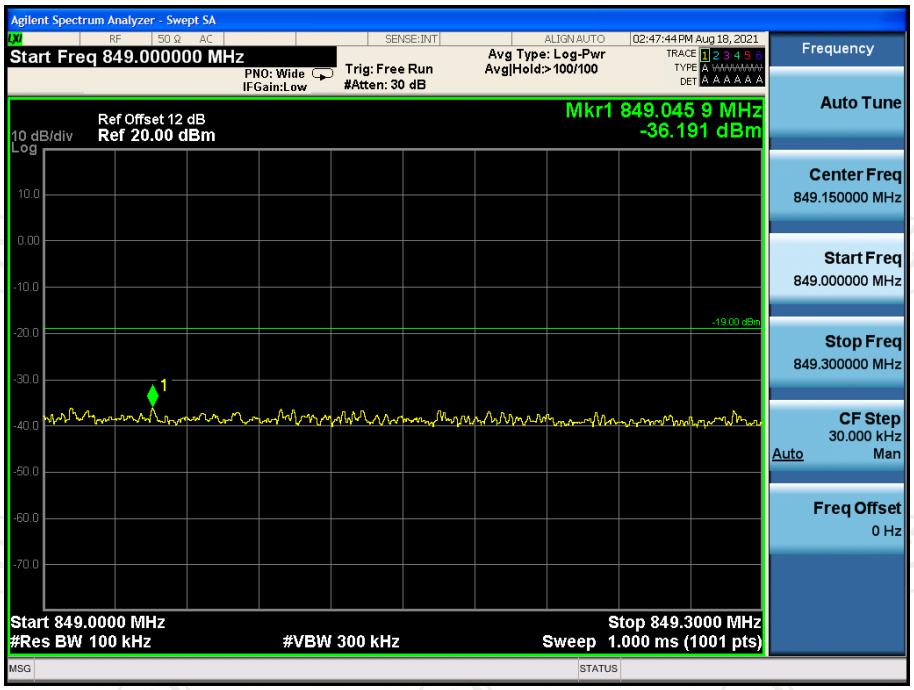
Cellular LTE UL Left Side Pre AGC



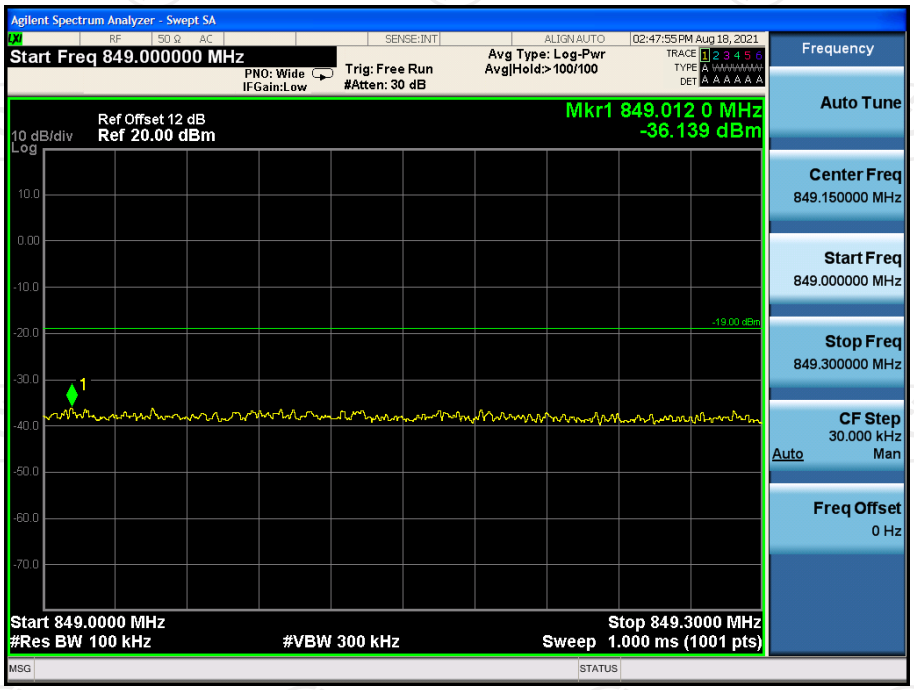
Cellular LTE UL Left Side Pre AGC+10dB



Cellular LTE UL Right Side Pre AGC



Cellular LTE UL Right Side Pre AGC+10dB



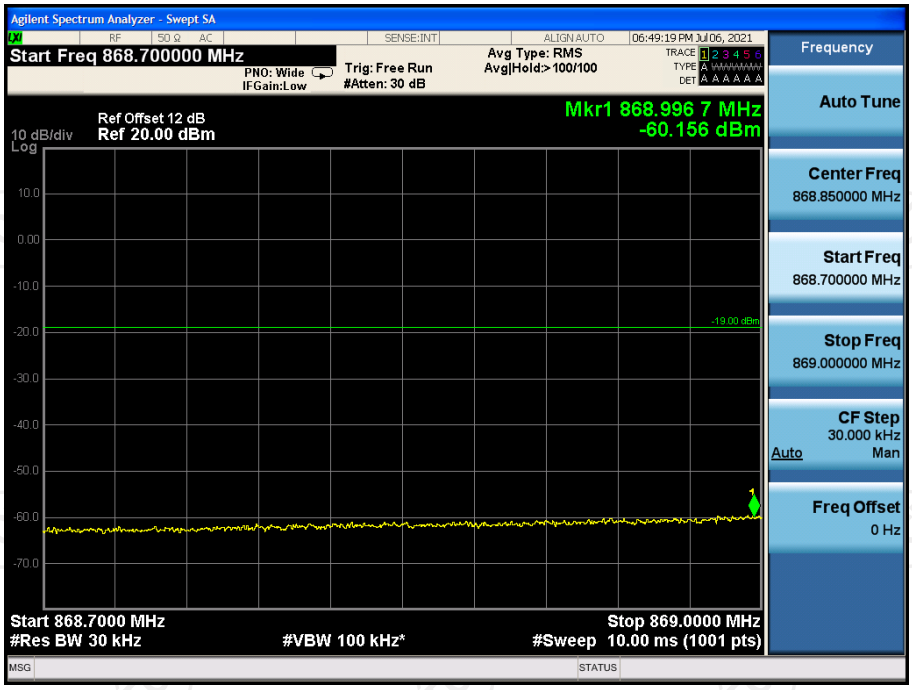
Cellular GSM DL Left Side Pre AGC

Cellular GSM DL Left Side Pre AGC+10dB

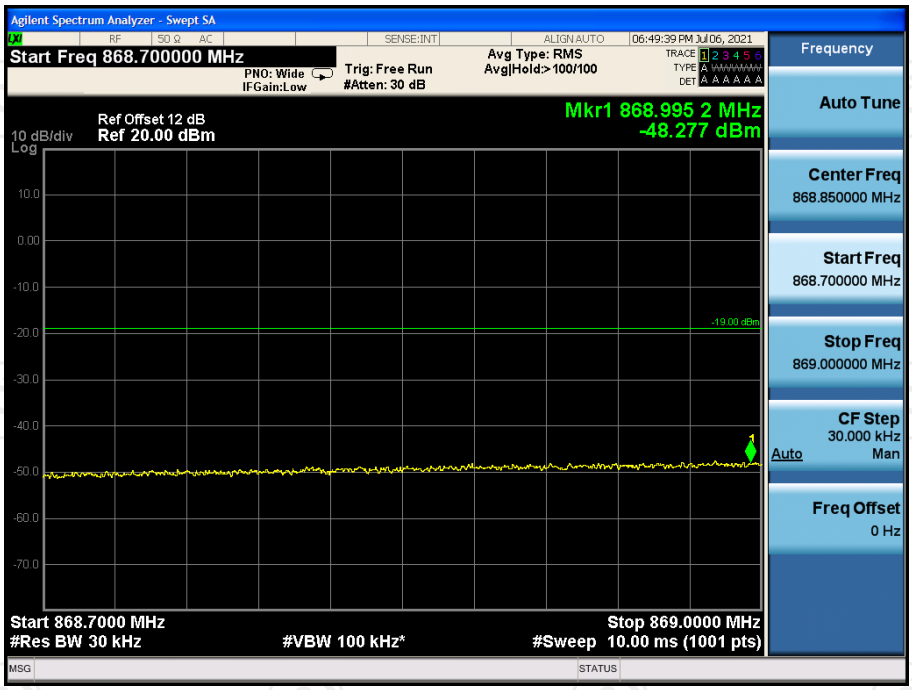
Cellular GSM DL Right Side Pre AGC

Cellular GSM DL Right Side Pre AGC+10dB

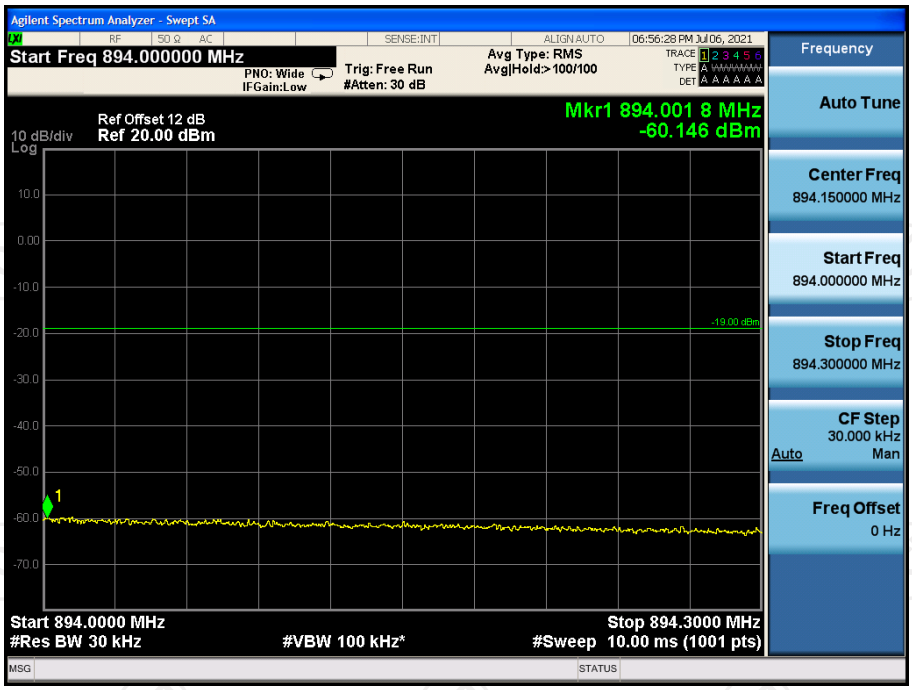
Cellular CDMA DL Left Side Pre AGC



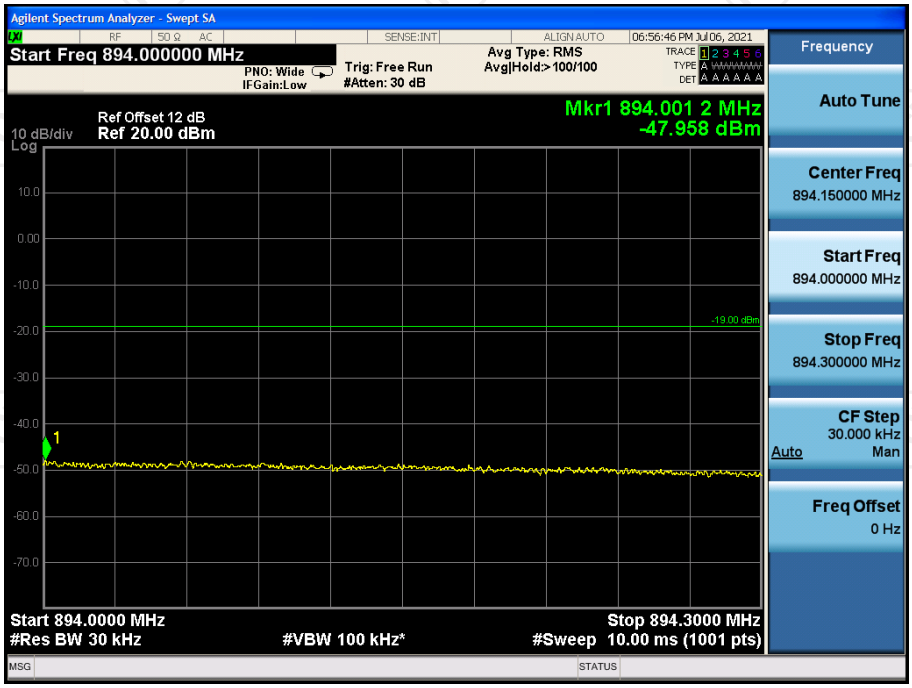
Cellular CDMA DL Left Side Pre AGC+10dB



Cellular CDMA DL Right Side Pre AGC

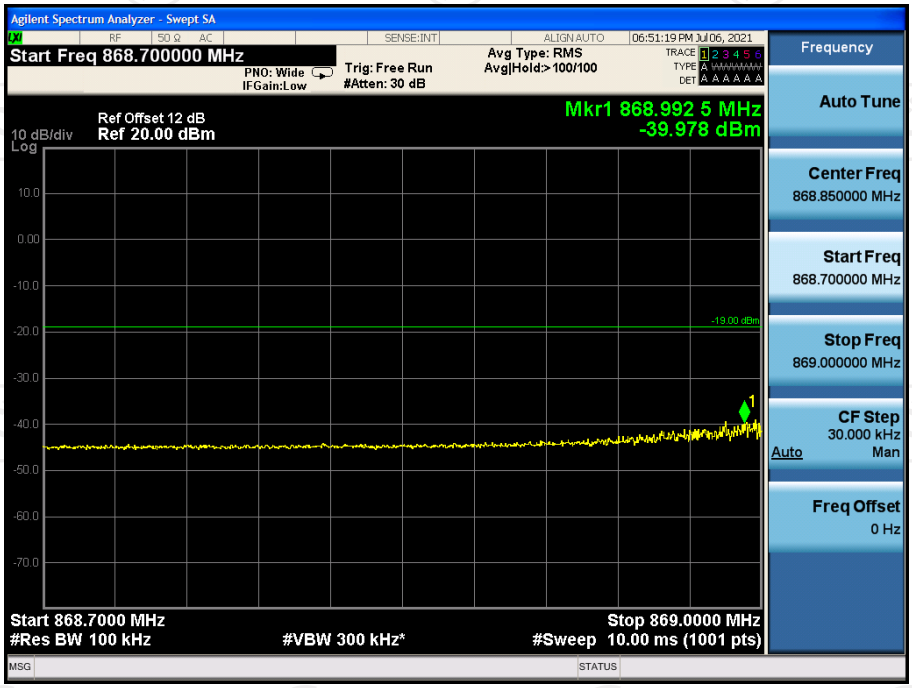


Cellular CDMA DL Right Side Pre AGC+10dB

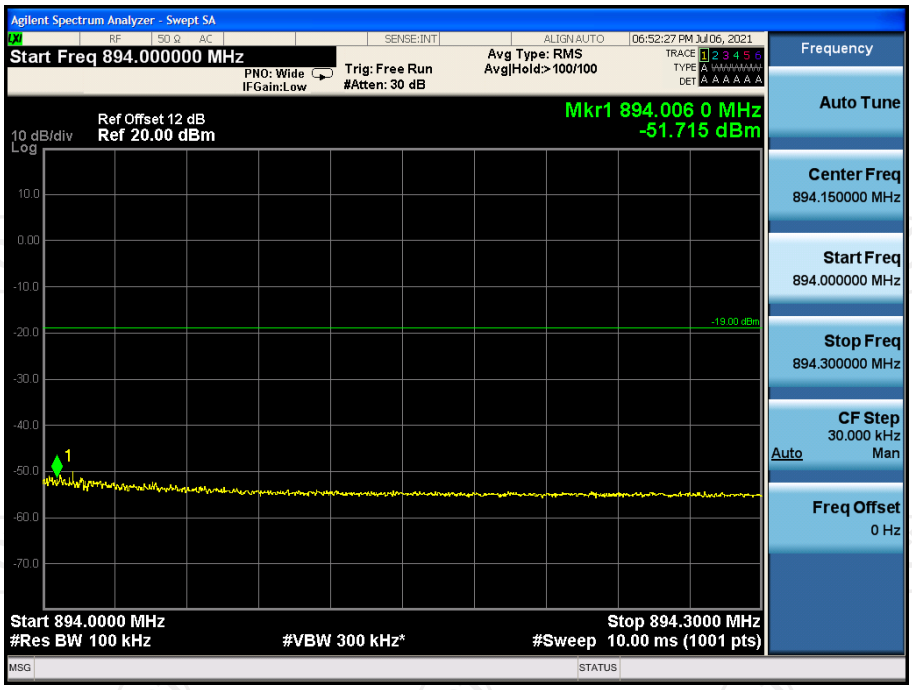


Cellular LTE DL Left Side Pre AGC

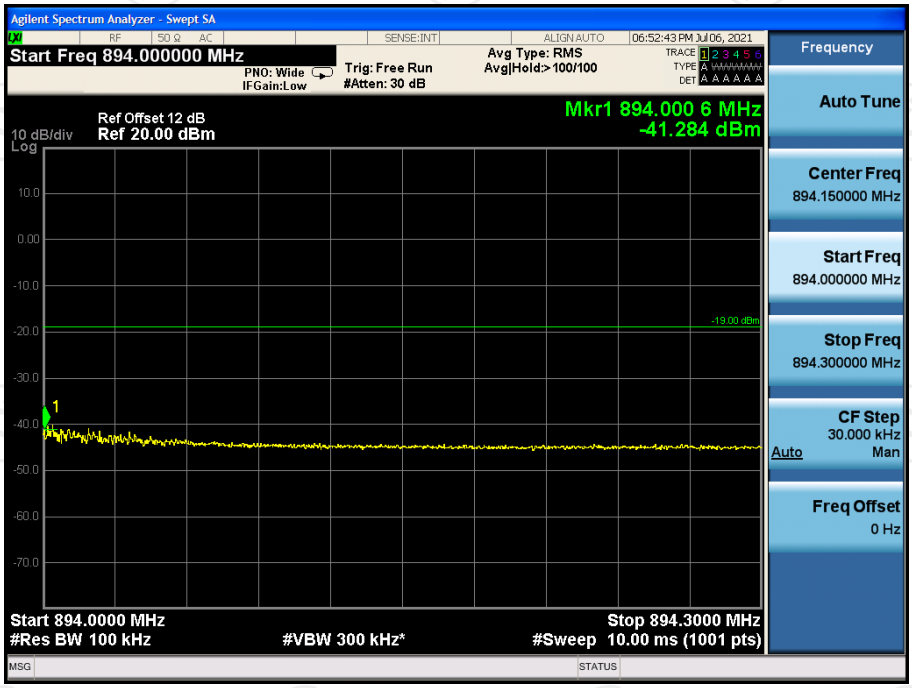
Cellular LTE DL Left Side Pre AGC+10dB



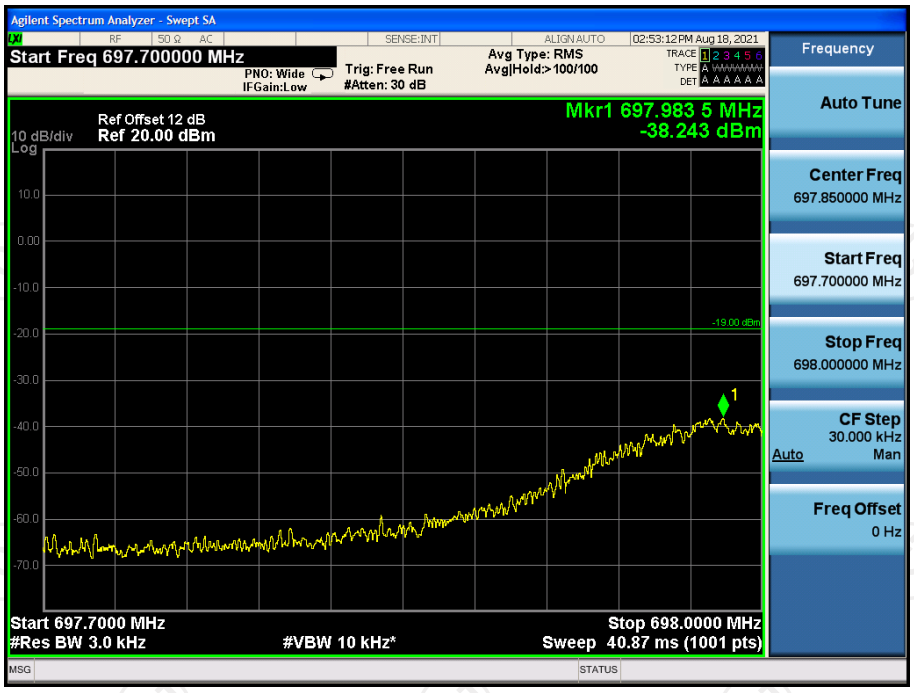
Cellular LTE DL Right Side Pre AGC



Cellular LTE DL Right Side Pre AGC+10dB



Lower700MHz GSM UL Left Side Pre AGC



Lower700MHz GSM UL Left Side Pre AGC+10dB

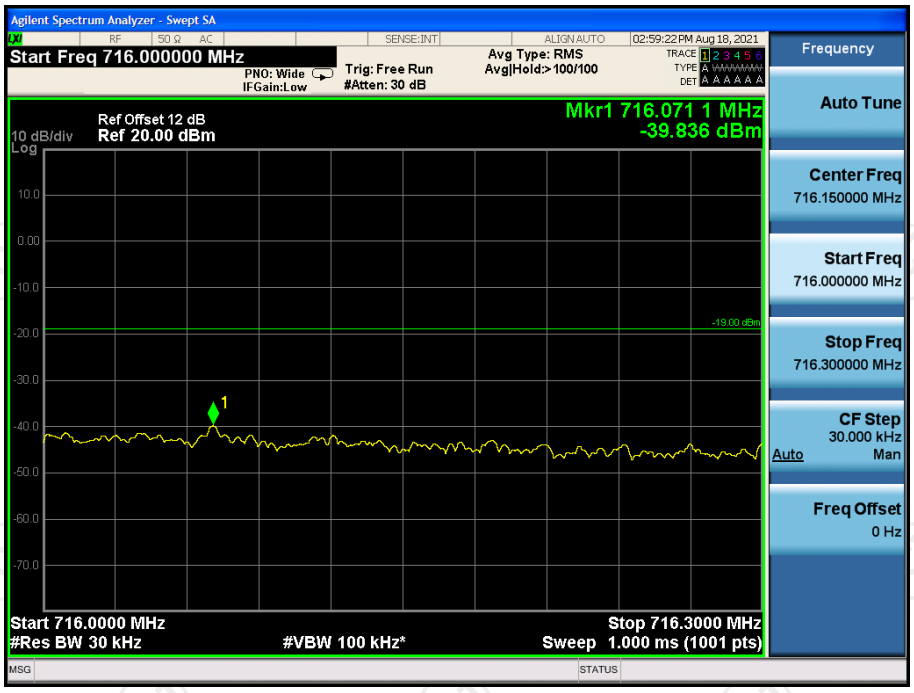
Lower700MHz GSM UL Right Side Pre AGC

Lower700MHz GSM UL Right Side Pre AGC+10dB

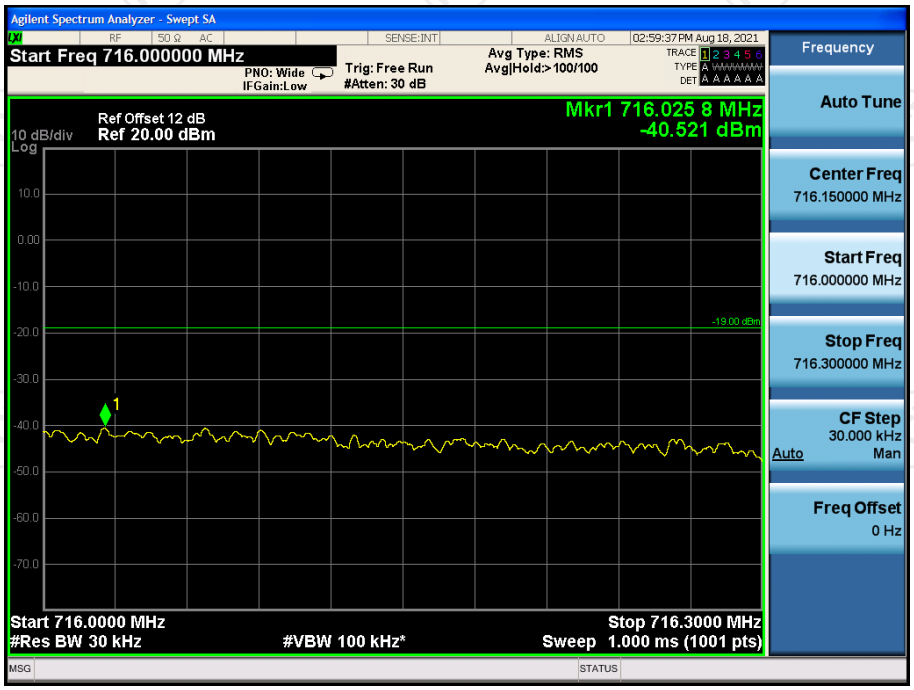
Lower700MHz CDMA UL Left Side Pre AGC

Lower700MHz CDMA UL Left Side Pre AGC+10dB

Lower700MHz CDMA UL Right Side Pre AGC

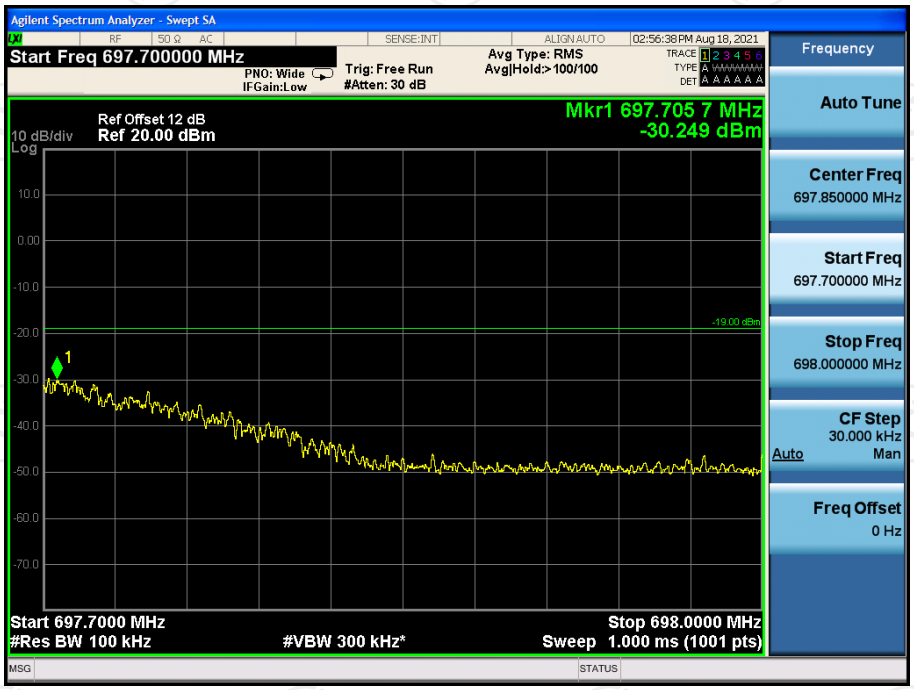


Lower700MHz CDMA UL Right Side Pre AGC+10dB

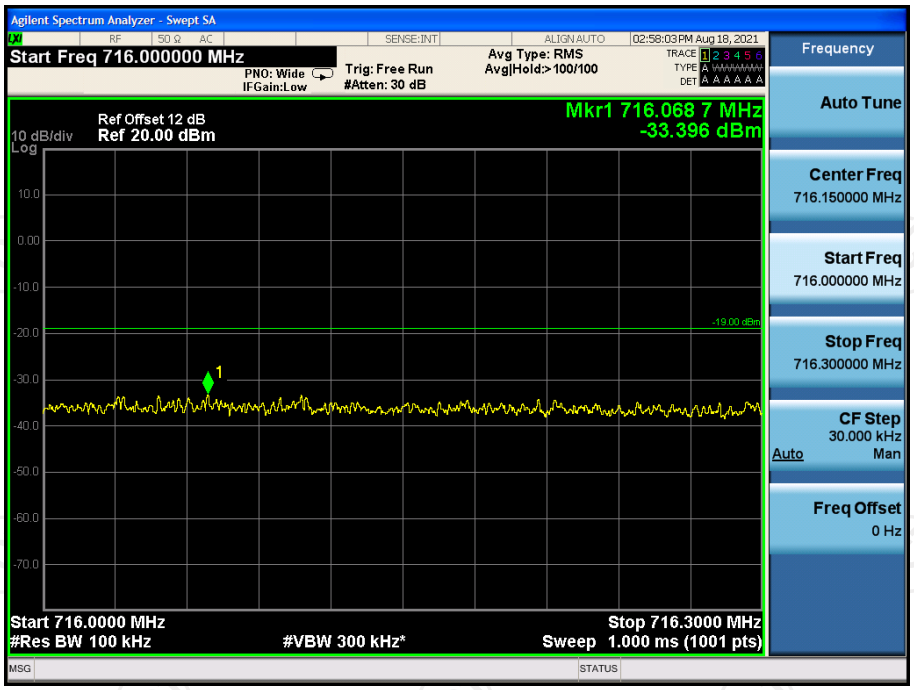


Lower700MHz LTE UL Left Side Pre AGC

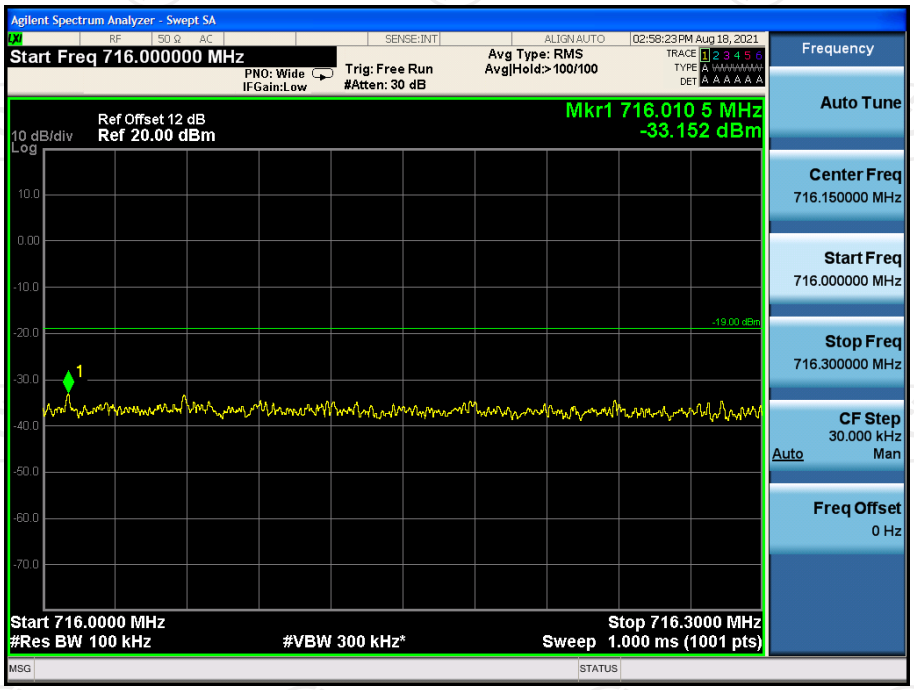
Lower700MHz LTE UL Left Side Pre AGC+10dB



Lower700MHz LTE UL Right Side Pre AGC

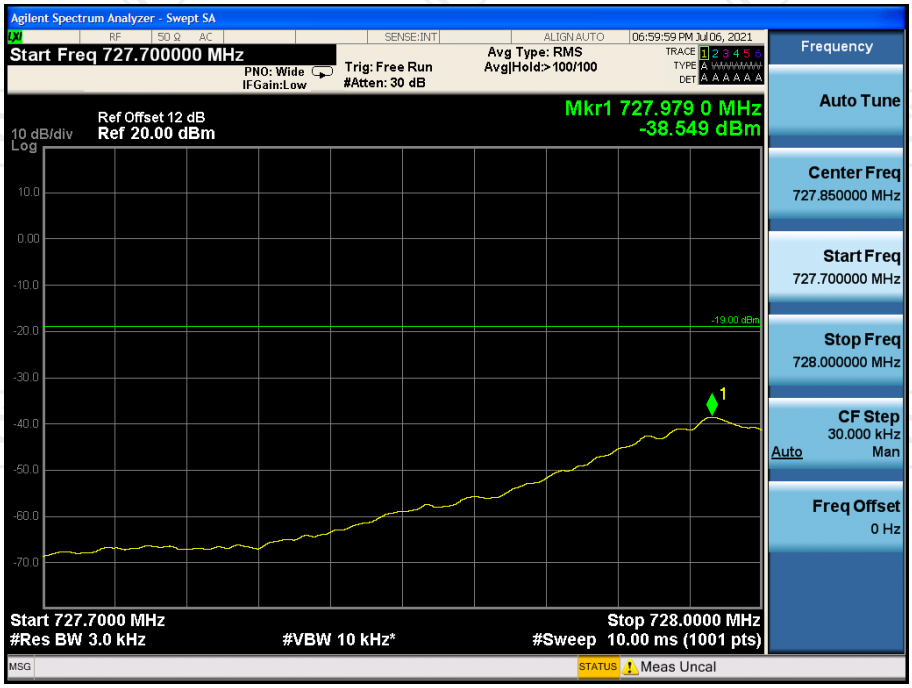


Lower700MHz LTE UL Right Side Pre AGC+10dB



Lower700MHz GSM DL Left Side Pre AGC

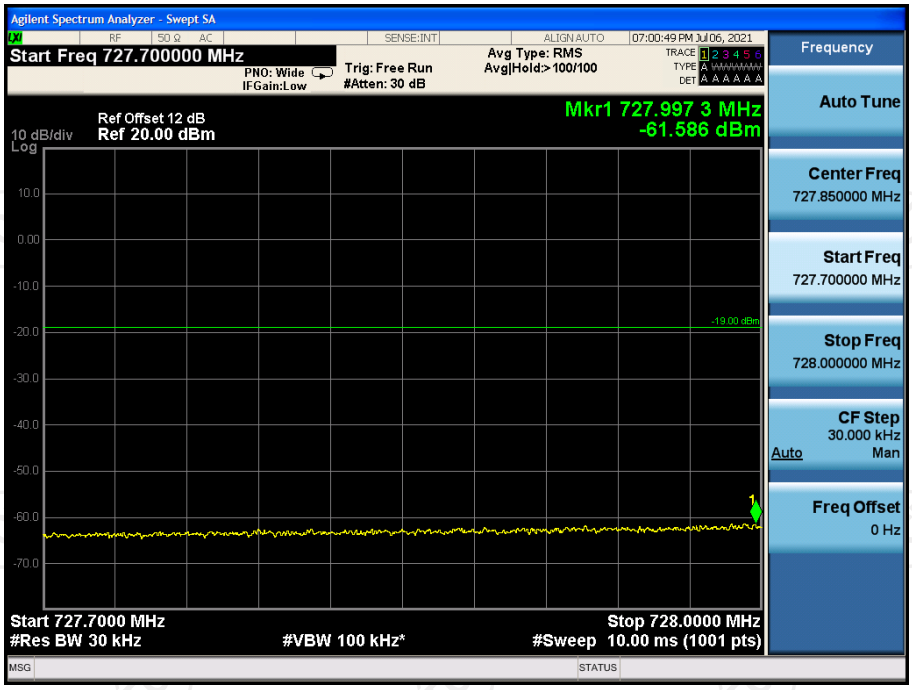
Lower700MHz GSM DL Left Side Pre AGC+10dB



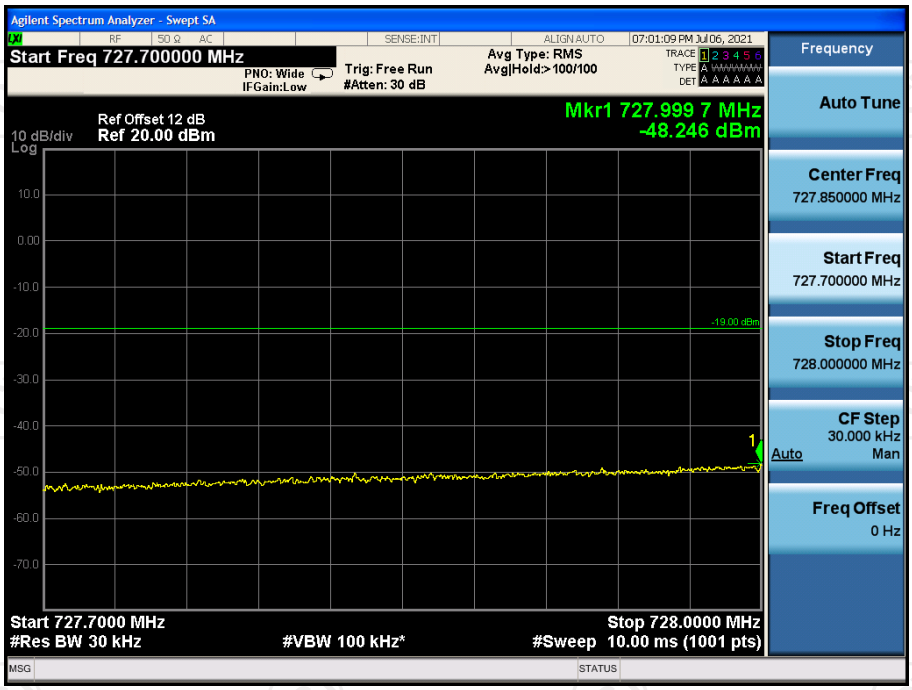
Lower700MHz GSM DL Right Side Pre AGC

Lower700MHz GSM DL Right Side Pre AGC+10dB

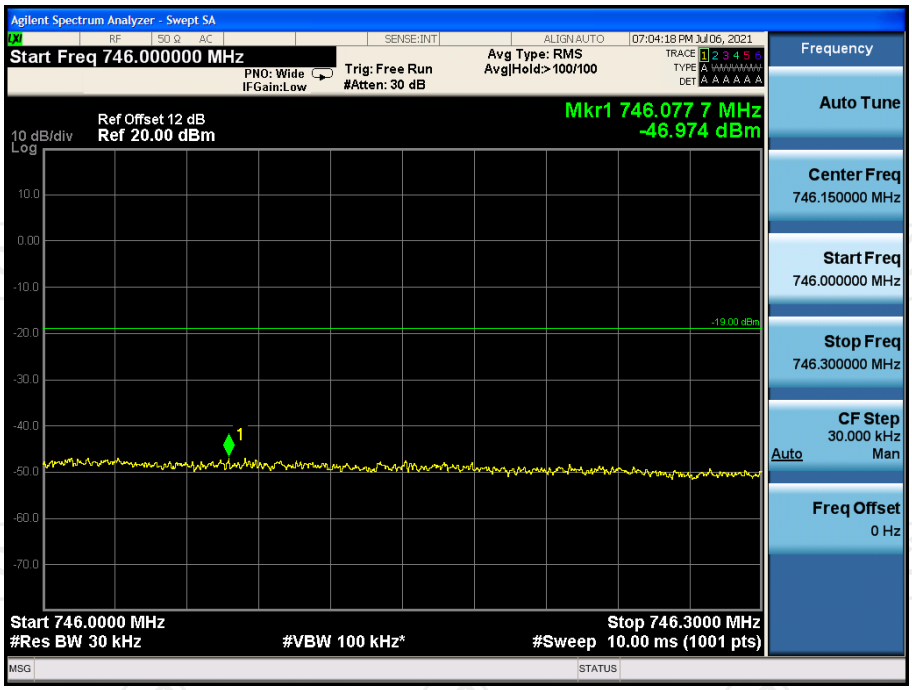
Lower700MHz CDMA DL Left Side Pre AGC



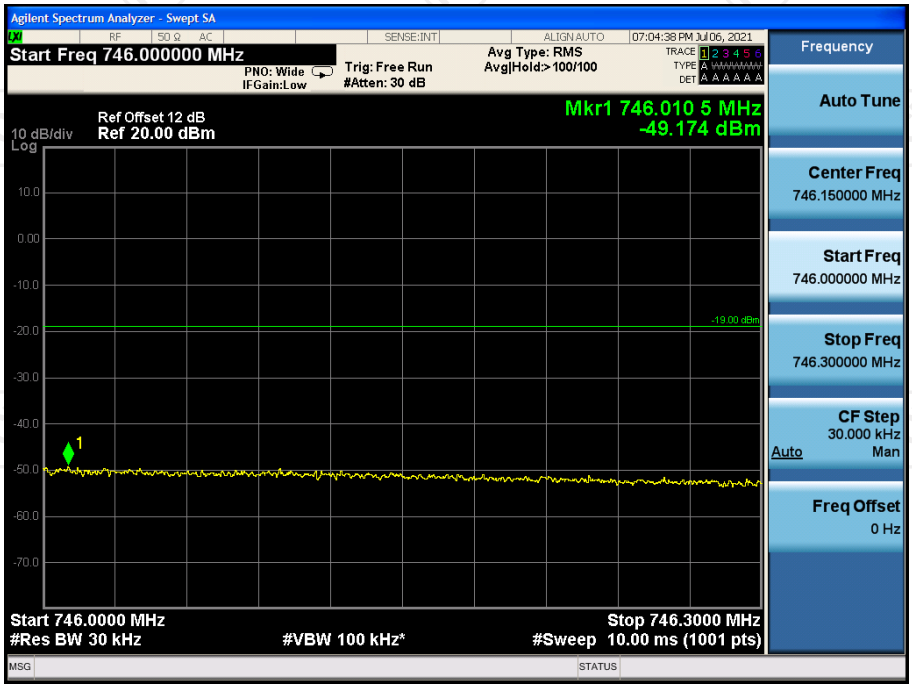
Lower700MHz CDMA DL Left Side Pre AGC+10dB



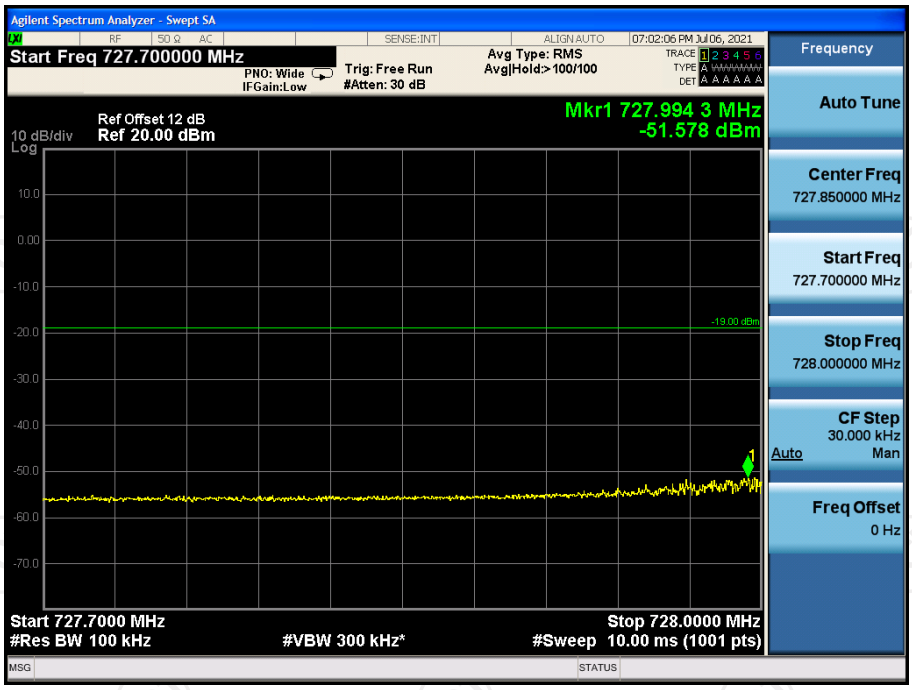
Lower700MHz CDMA DL Right Side Pre AGC



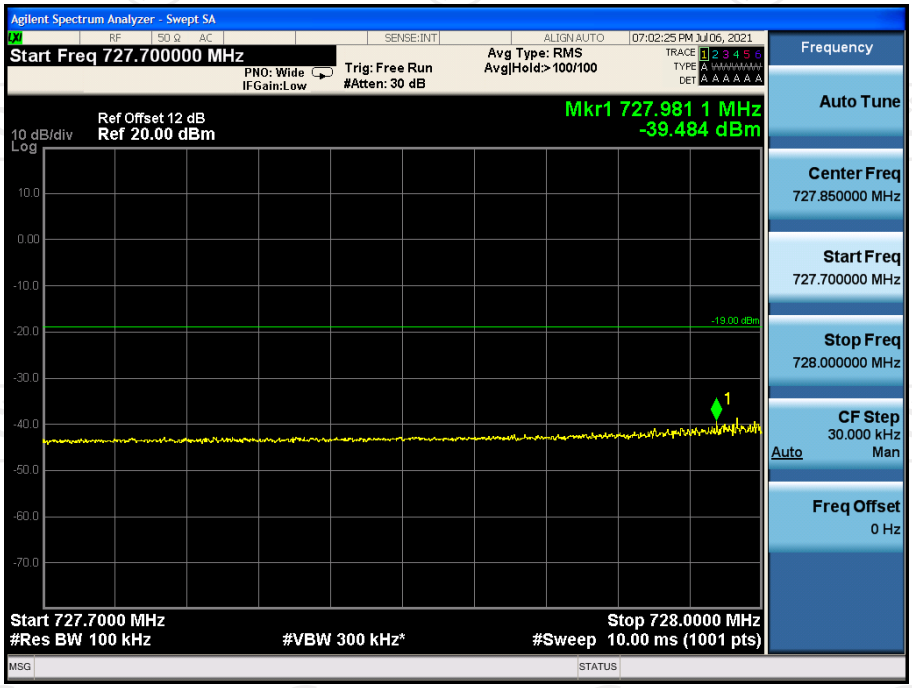
Lower700MHz CDMA DL Right Side Pre AGC+10dB



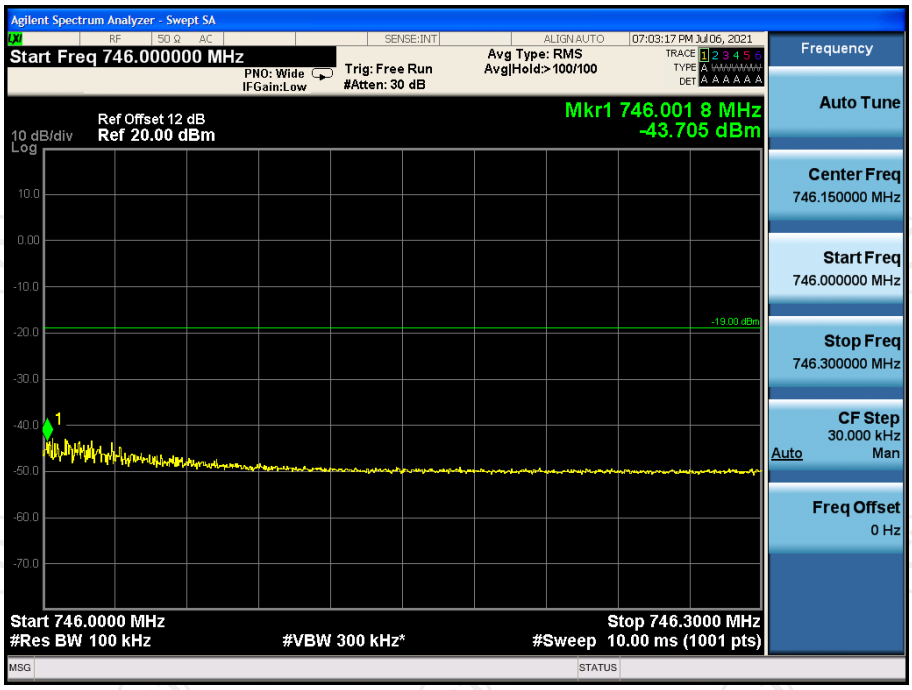
Lower700MHz LTE DL Left Side Pre AGC



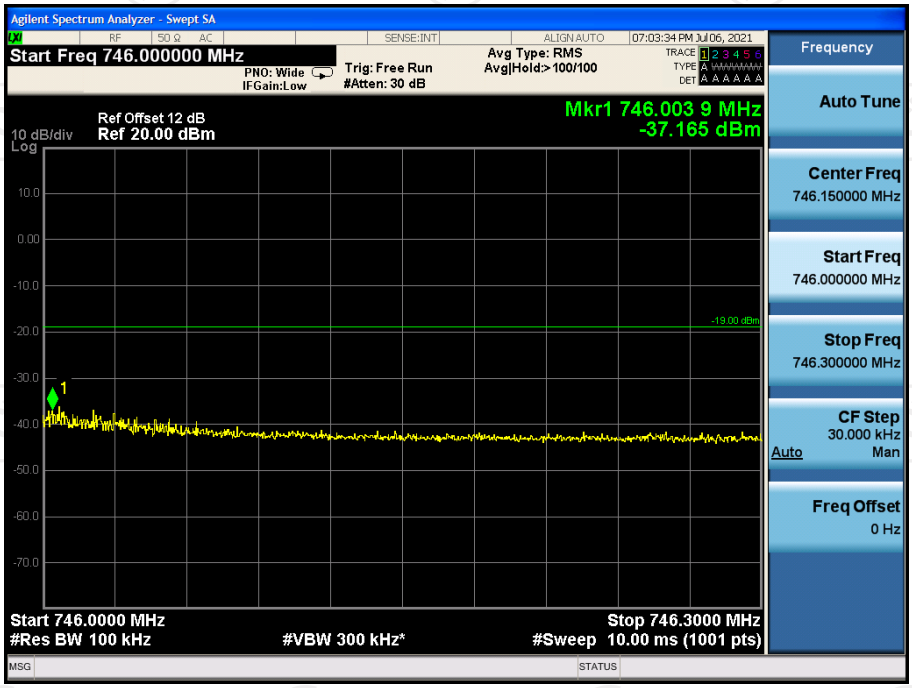
Lower700MHz LTE DL Left Side Pre AGC+10dB



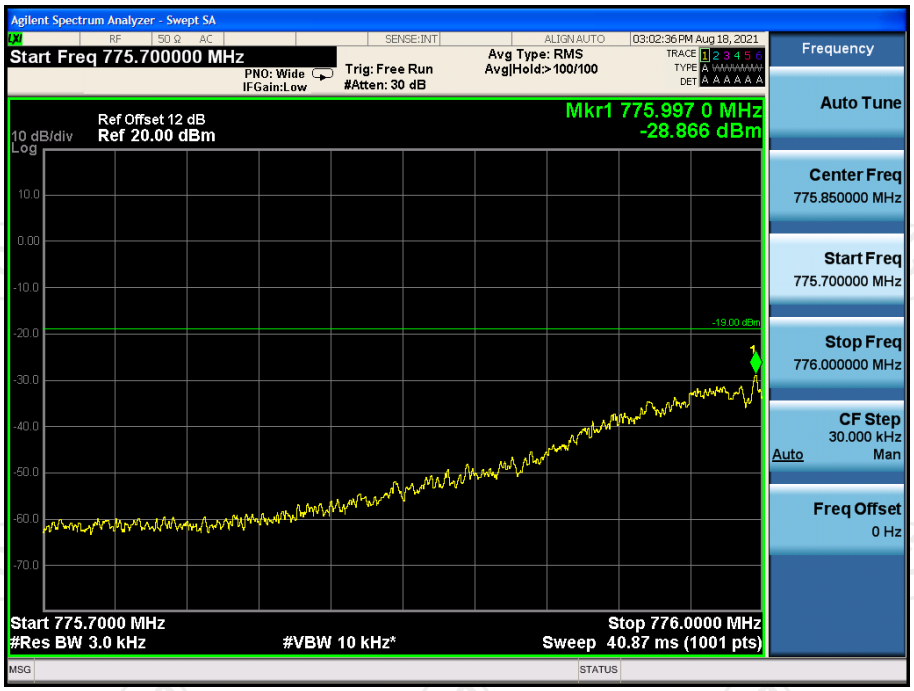
Lower700MHz LTE DL Right Side Pre AGC



Lower700MHz LTE DL Right Side Pre AGC+10dB

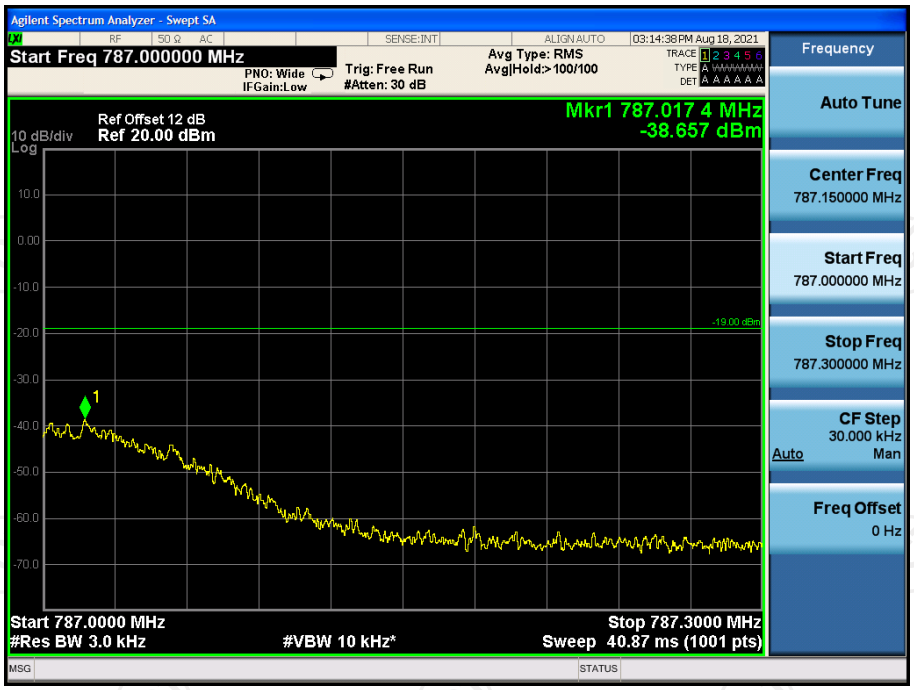


Upper700MHz GSM UL Left Side Pre AGC



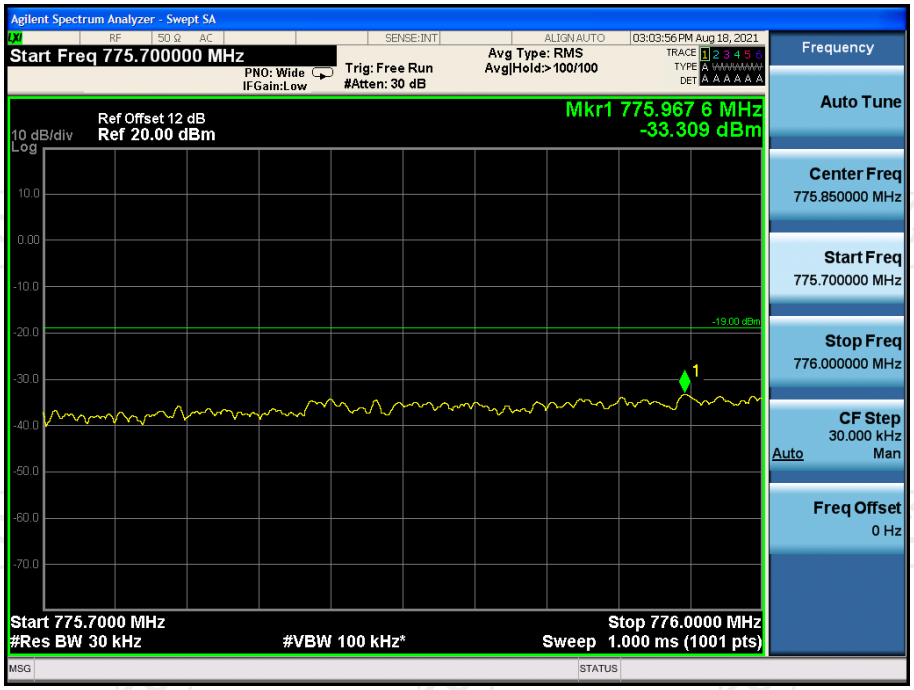
Upper700MHz GSM UL Left Side Pre AGC+10dB

Upper700MHz GSM UL Right Side Pre AGC

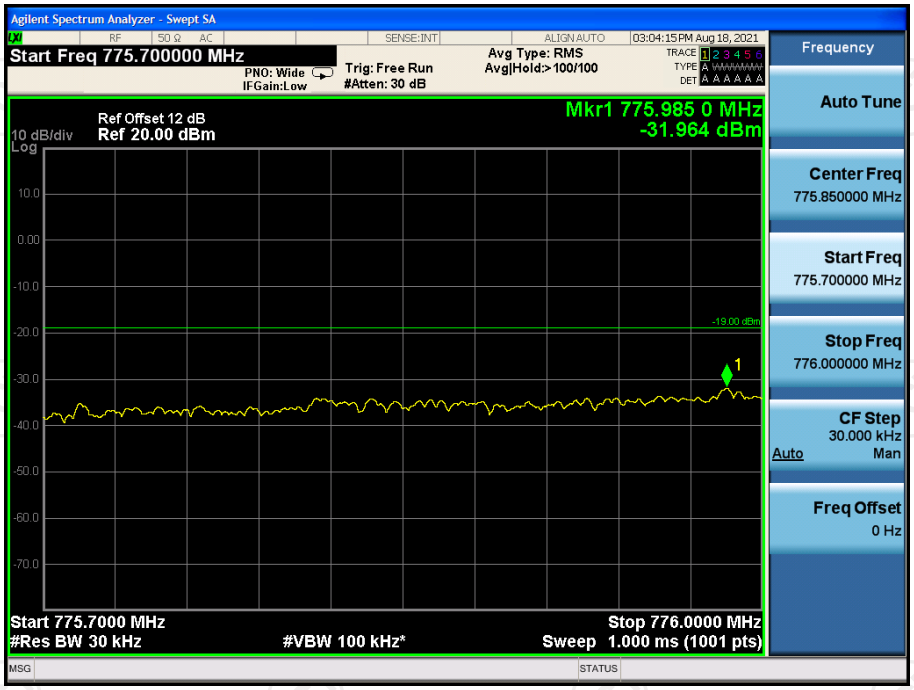


Upper700MHz GSM UL Right Side Pre AGC+10dB

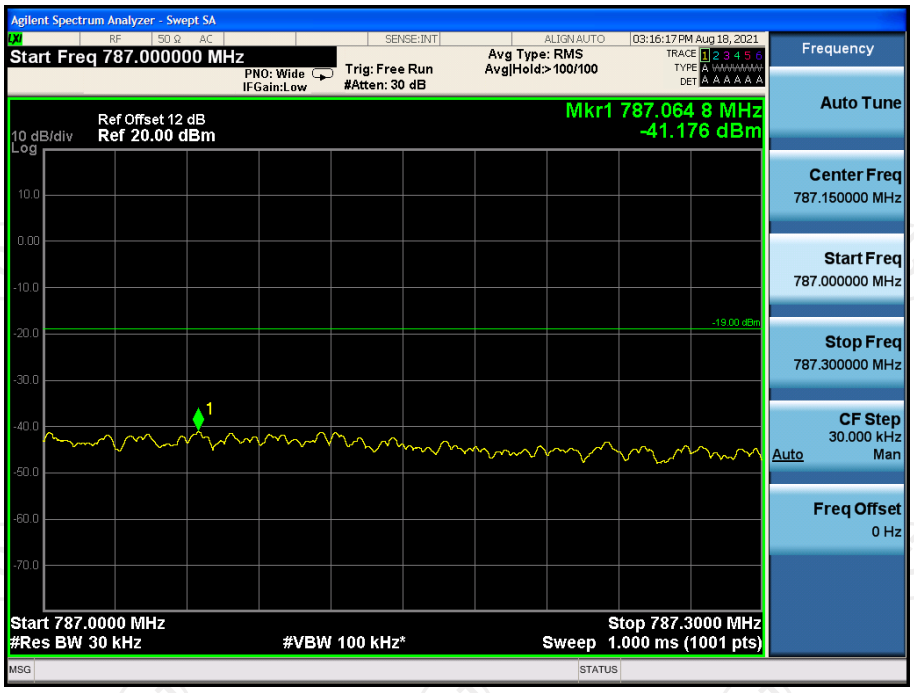
Upper700MHz CDMA UL Left Side Pre AGC



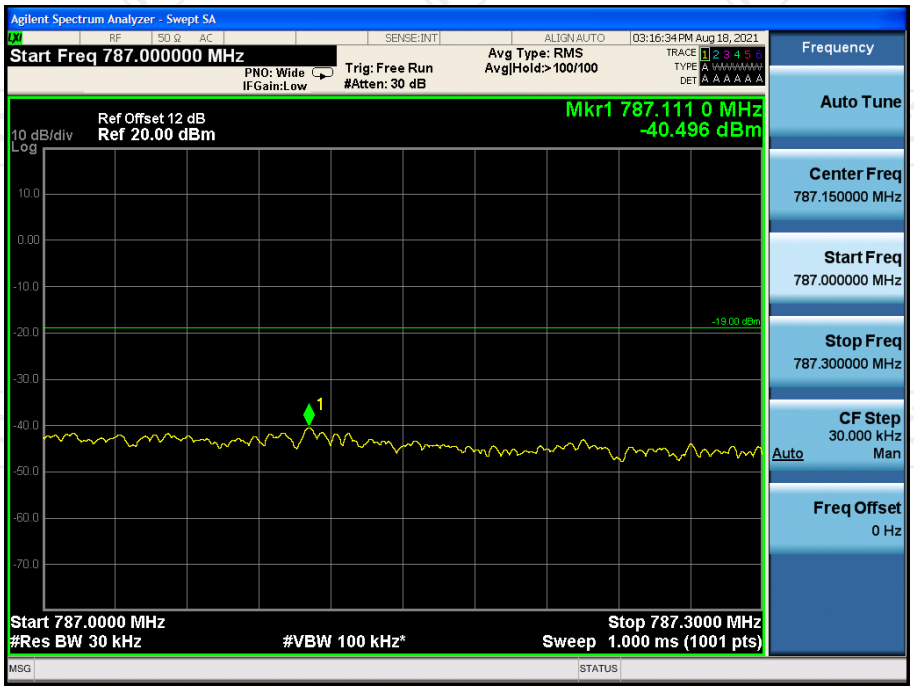
Upper700MHz CDMA UL Left Side Pre AGC+10dB



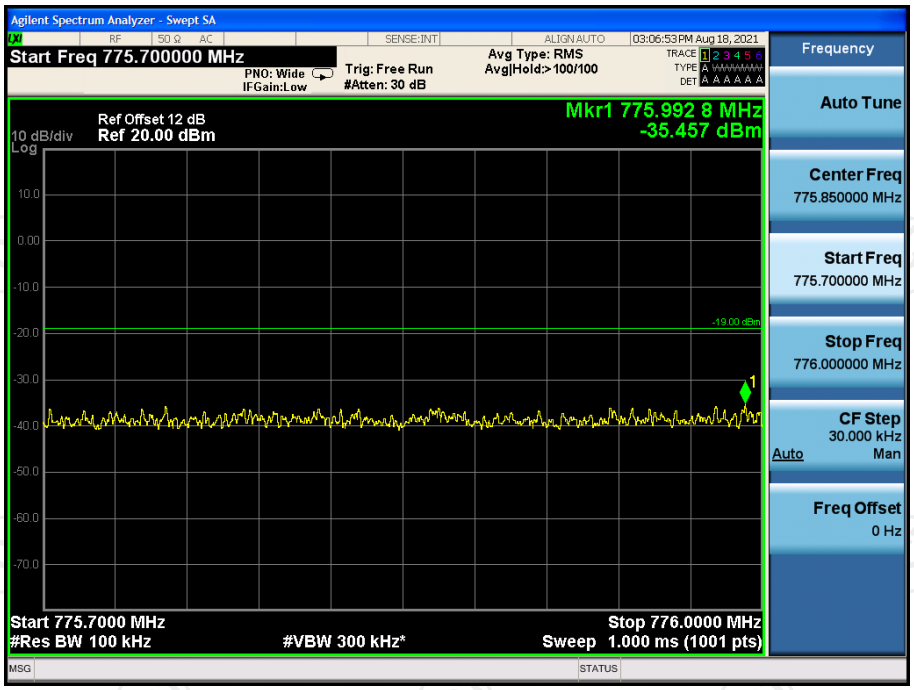
Upper700MHz CDMA UL Right Side Pre AGC



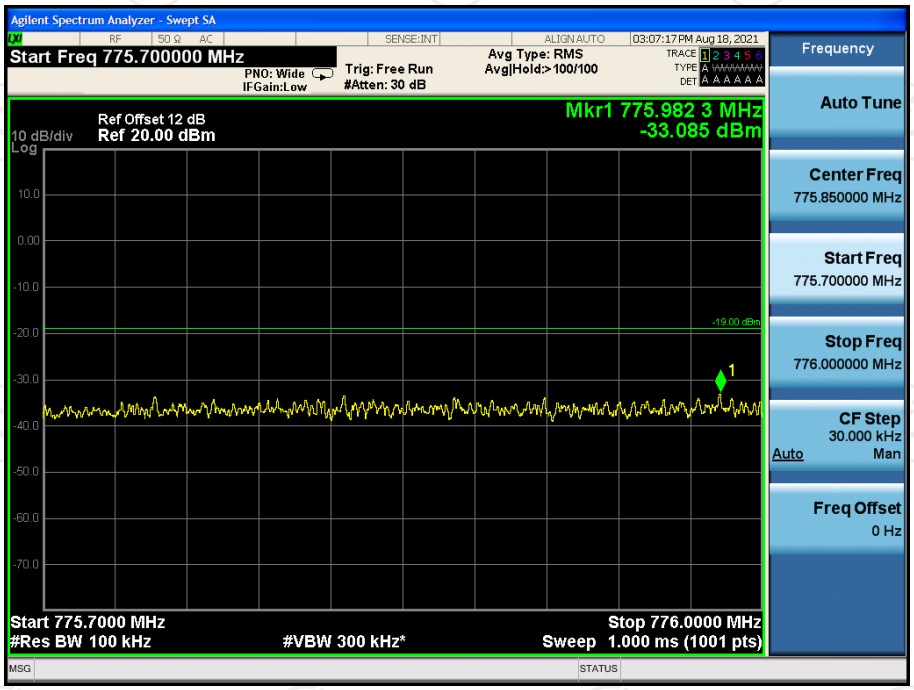
Upper700MHz CDMA UL Right Side Pre AGC+10dB



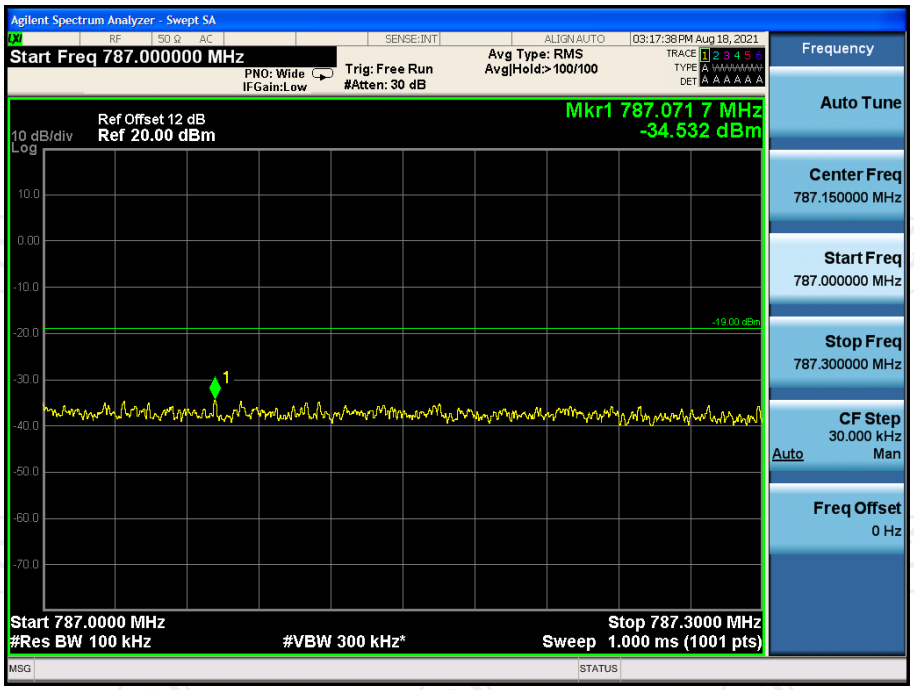
Upper700MHz LTE UL Left Side Pre AGC



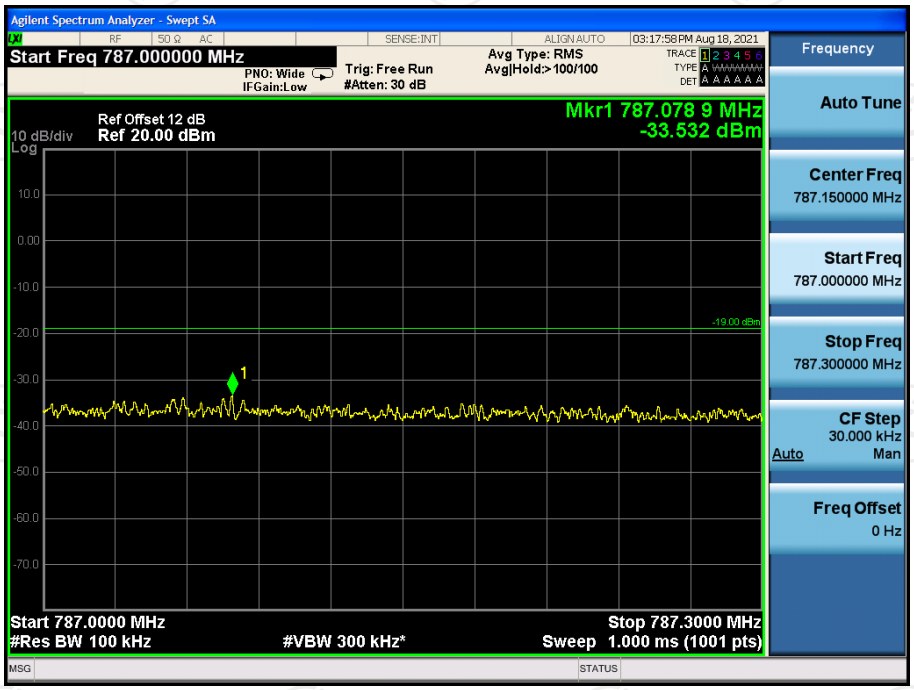
Upper700MHz LTE UL Left Side Pre AGC+10dB



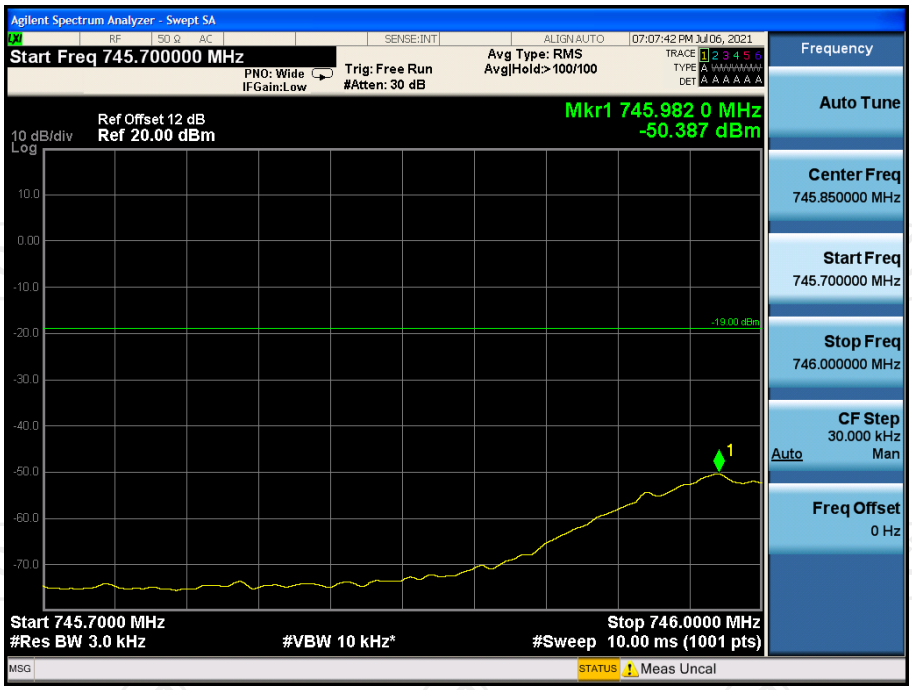
Upper700MHz LTE UL Right Side Pre AGC



Upper700MHz LTE UL Right Side Pre AGC+10dB



Upper700MHz GSM DL Left Side Pre AGC

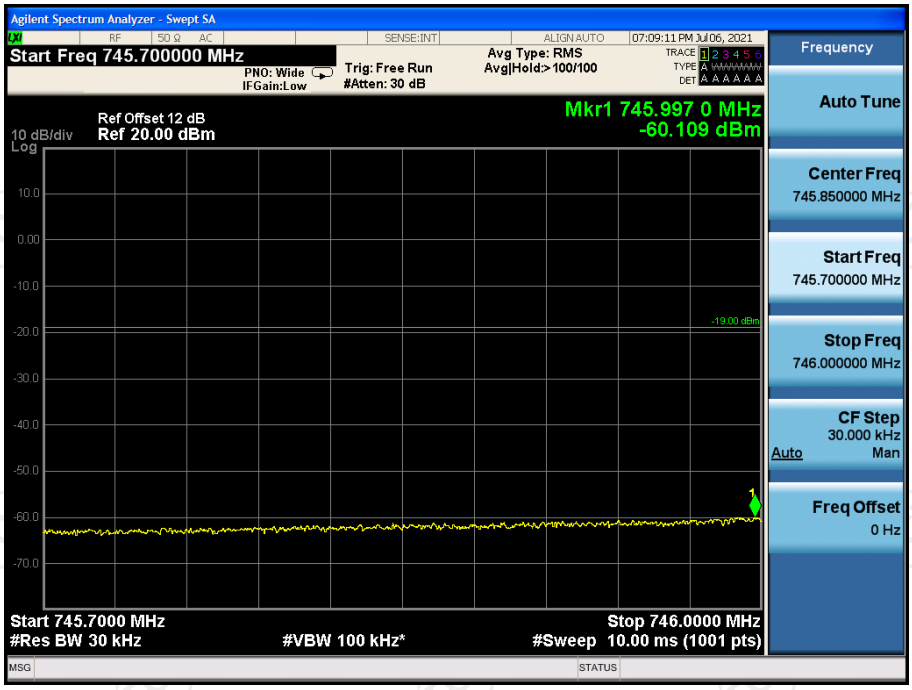


Upper700MHz GSM DL Left Side Pre AGC+10dB

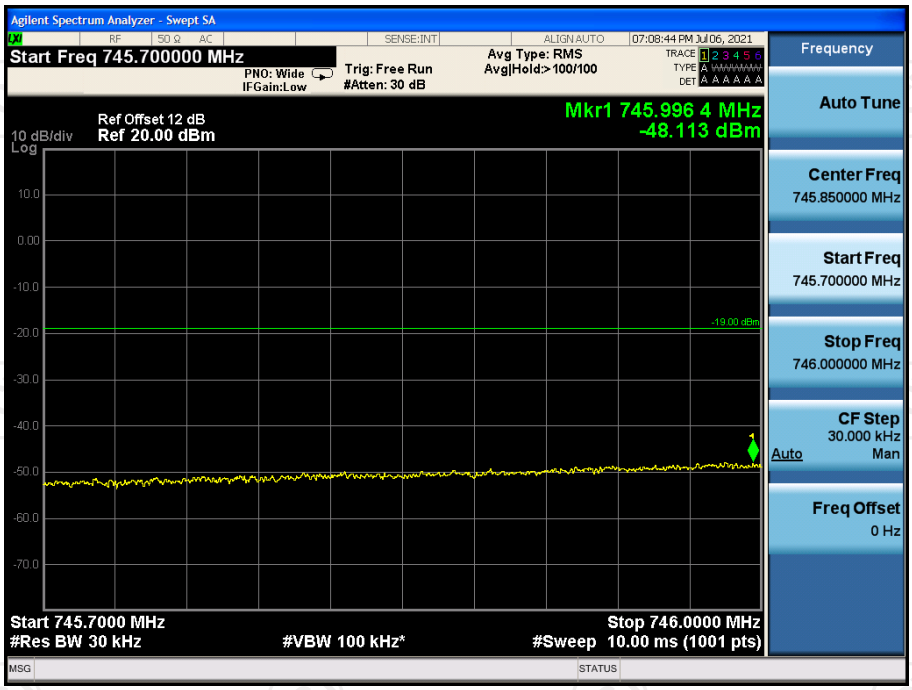
Upper700MHz GSM DL Right Side Pre AGC

Upper700MHz GSM DL Right Side Pre AGC+10dB

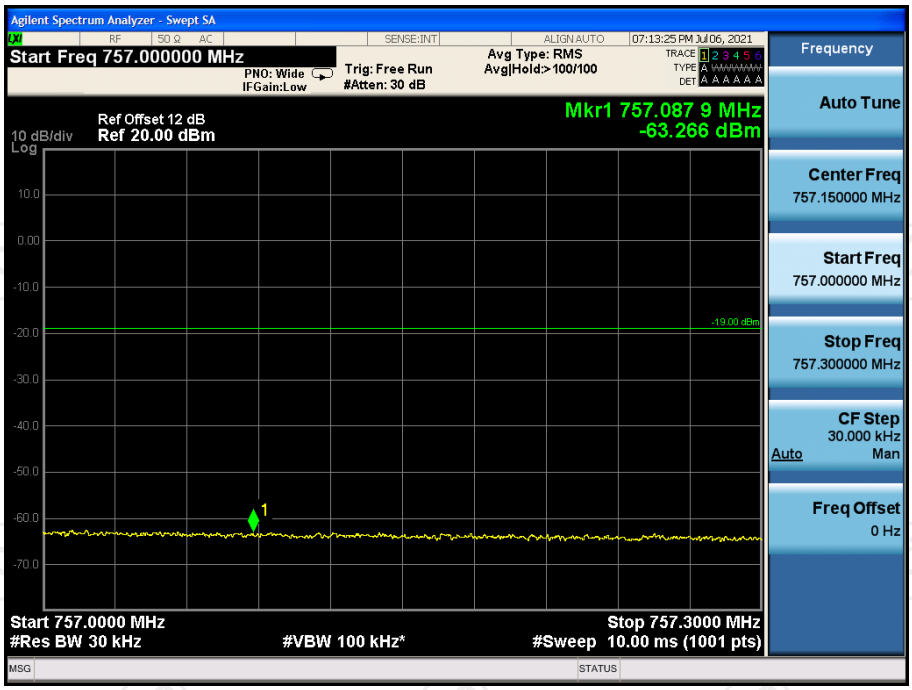
Upper700MHz CDMA DL Left Side Pre AGC



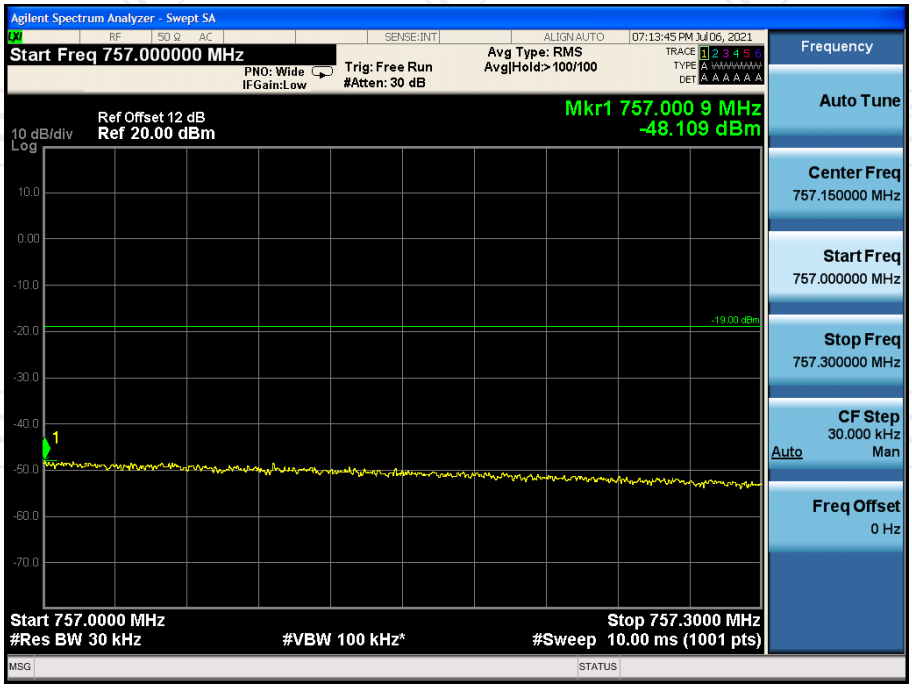
Upper700MHz CDMA DL Left Side Pre AGC+10dB



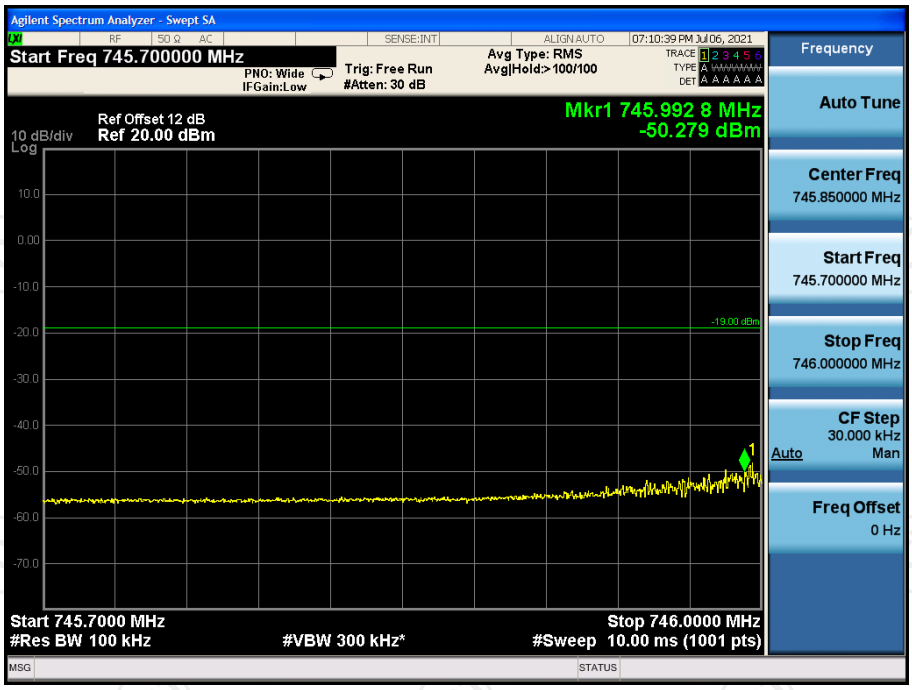
Upper700MHz CDMA DL Right Side Pre AGC



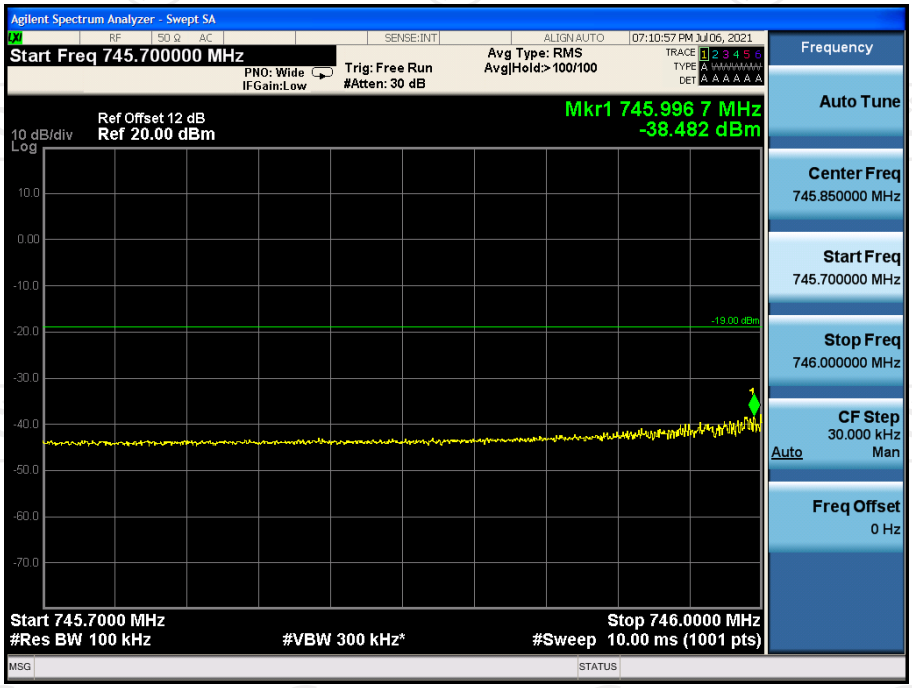
Upper700MHz CDMA DL Right Side Pre AGC+10dB



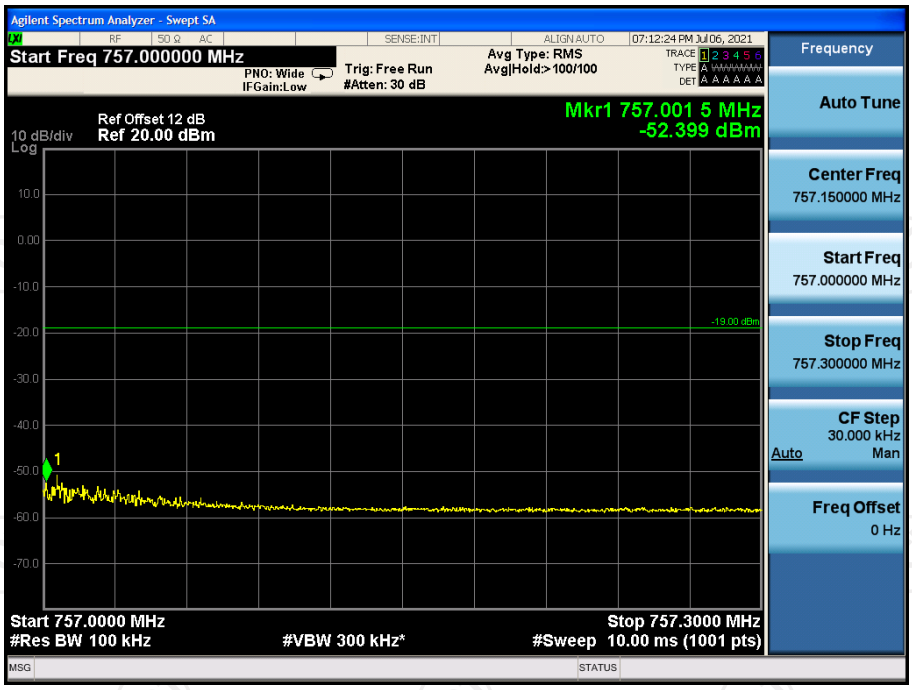
Upper700MHz LTE DL Left Side Pre AGC



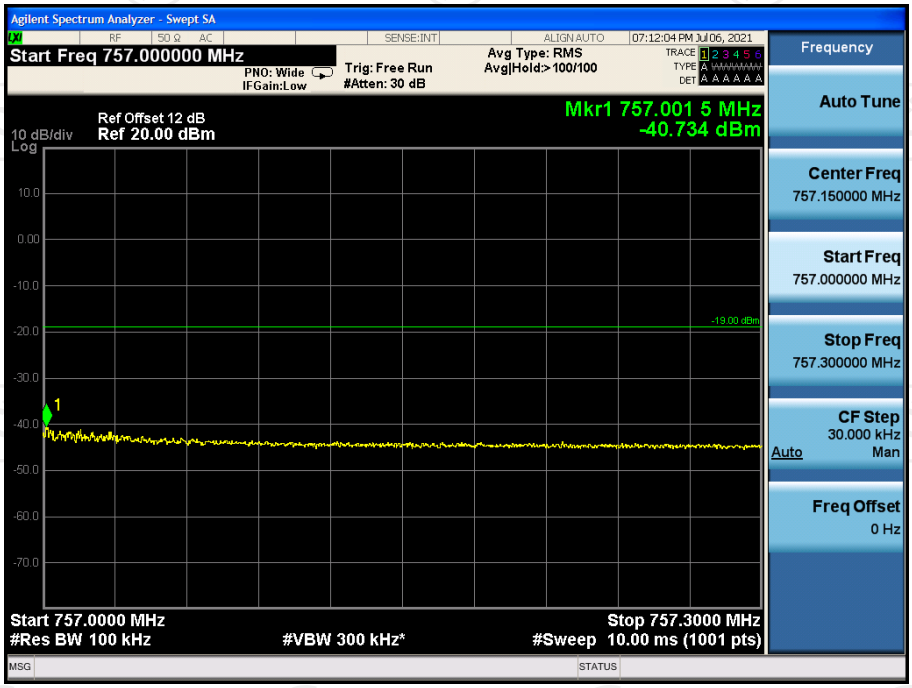
Upper700MHz LTE DL Left Side Pre AGC+10dB



Upper700MHz LTE DL Right Side Pre AGC

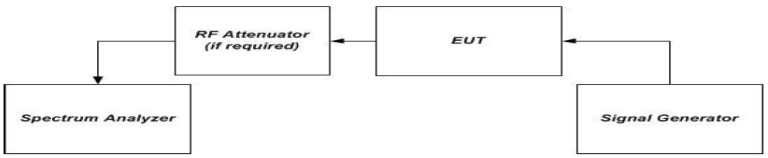


Upper700MHz LTE DL Right Side Pre AGC+10dB



5.5. Conducted Spurious Emission

5.5.1. Test Specification

Test Requirement:	FCC Part2 Section 1051; FCC Rules Part 27 Subpart C, Section 27.53
Test Method:	KDB 935210 D03 Signal Booster Measurements v04r04
Limit:	-13 dBm
Test Setup:	
Test Procedure:	a) Connect the EUT to the test equipment as shown in Set-Up. Begin with the uplink output connected to the spectrum analyzer. b) Configure the signal generator for AWGN with a 99% occupied bandwidth of 4.1 MHz operation with a center frequency corresponding to the center of the CMRS band under test. c) Set the signal generator amplitude to the level determined in the power measurement procedure in Maximum power. d) Turn on the signal generator RF output and measure the spurious emission power levels with an appropriate measurement instrument as follows. e) Set RBW = measurement bandwidth specified in the applicable rule section for the operational frequency band under consideration (see Annex A for relevant cross-references). Note that many of the individual rule sections permit the use of a narrower RBW (typically ≥ 1% of the emission bandwidth) to enhance measurement accuracy, but the result must then be integrated over the specified measurement bandwidth. f) Set VBW = 3 X RBW. g) Select the power averaging (RMS) detector. (See above note regarding the use of a peak detector for preliminary measurements.) h) Sweep time = auto-couple. i) Set the analyzer start frequency to the lowest radio frequency signal generated in the equipment, without going below 9 kHz, and the stop frequency to the lower band/block edge frequency minus 100 kHz or 1 MHz, as specified in the applicable rule part. Note that the number of measurement points in each sweep must be ≥ (2 X span/RBW) which may require that the measurement range defined by the start and stop frequencies above be subdivided, depending on the available number of measurement points provided by the spectrum analyzer. Trace average at least 10 traces in power averaging (i.e., RMS) mode. j) Use the peak marker function to identify the highest amplitude level over each measured frequency range Record the frequency and amplitude and capture a Test Plots for inclusion in the test report. k) Reset the analyzer start frequency to the upper band/block edge frequency plus 100 kHz or 1 MHz, as specified in the applicable rule part, and the analyzer stop frequency to 10 times the highest frequency of the fundamental emission. Note that the number of measurement points in each sweep must be ≥ (2 X span/RBW) which may require that the measurement range defined by the start and stop frequencies above be subdivided, depending on the available number of measurement points provided by the

	spectrum analyzer. l) Use the peak marker function to identify the highest amplitude level over each of the measured frequency ranges. Record the frequency and amplitude and capture a Test Plots for inclusion in the test report. m) Repeat steps b) through l) for each supported frequency band of operation.
Test Result:	PASS

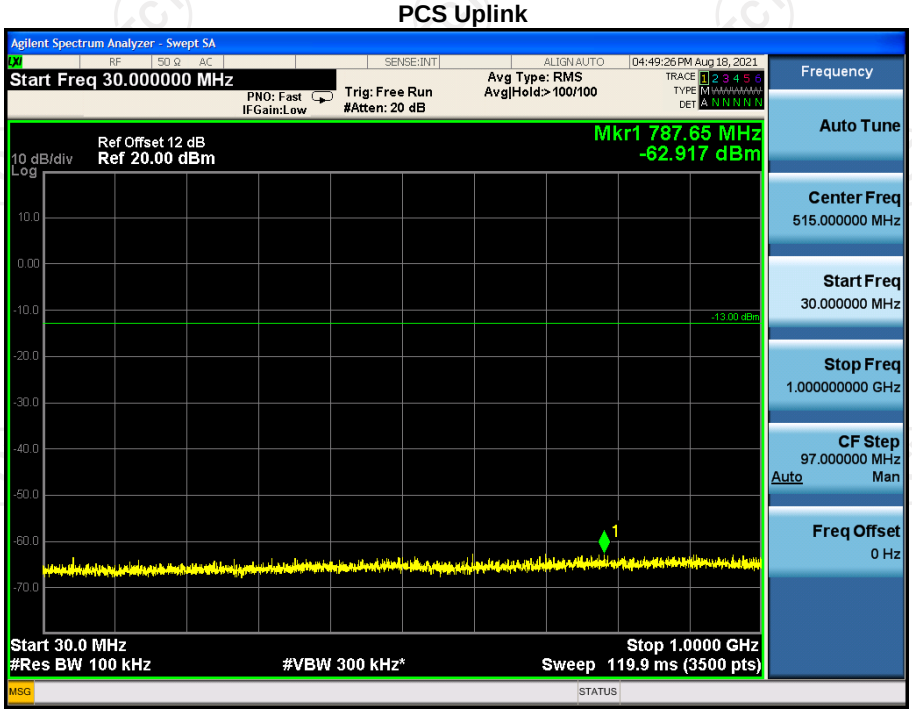
5.5.2. Test Instruments

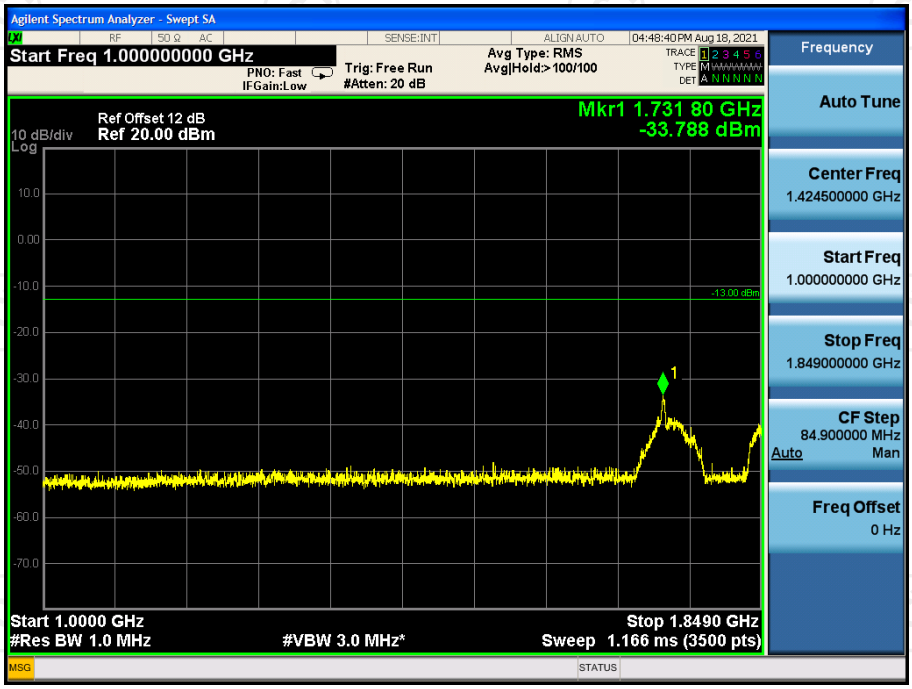
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Signal Generator	Agilent	N5182A	MY47070282	Jul. 19, 2021	Jul. 18, 2022
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jul. 19, 2021	Jul. 18, 2022
Attenuator	50FP-006-H3	JFW	907763	N/A	N/A

5.5.3. Test data

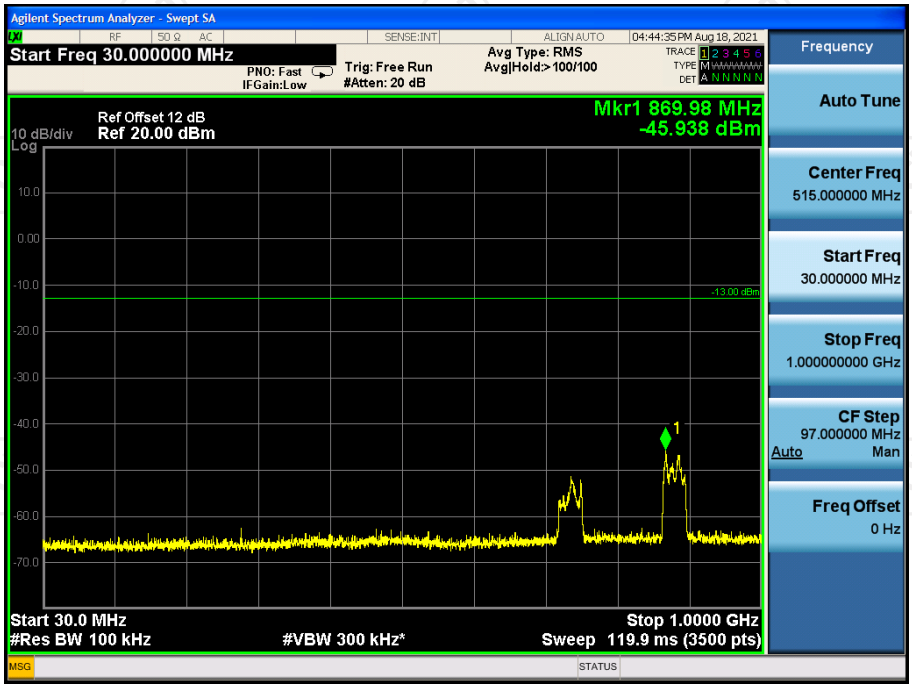
Test Plots

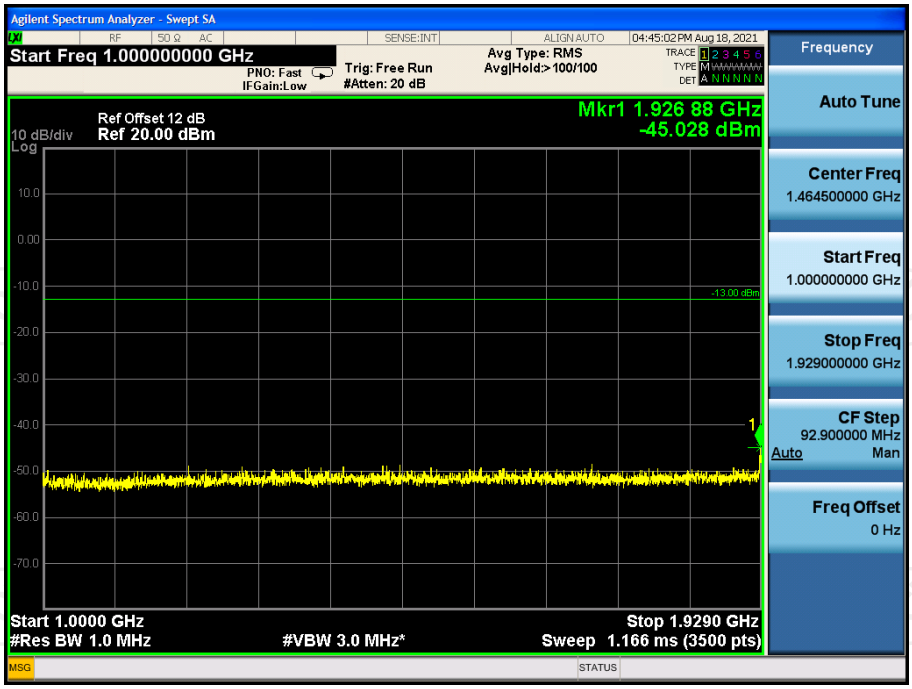
PCS Uplink





PCS Downlink

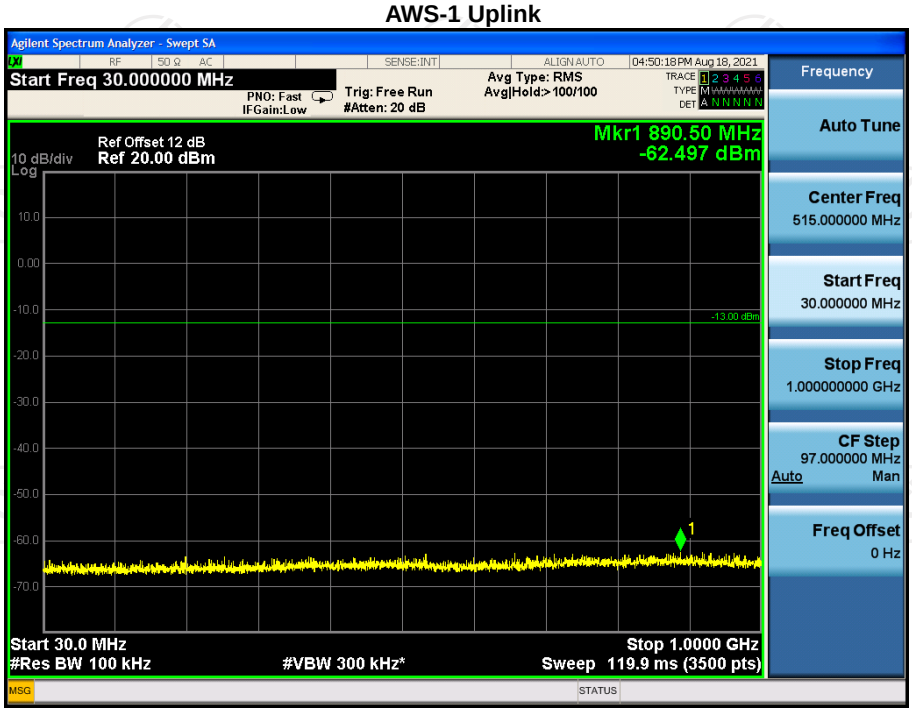


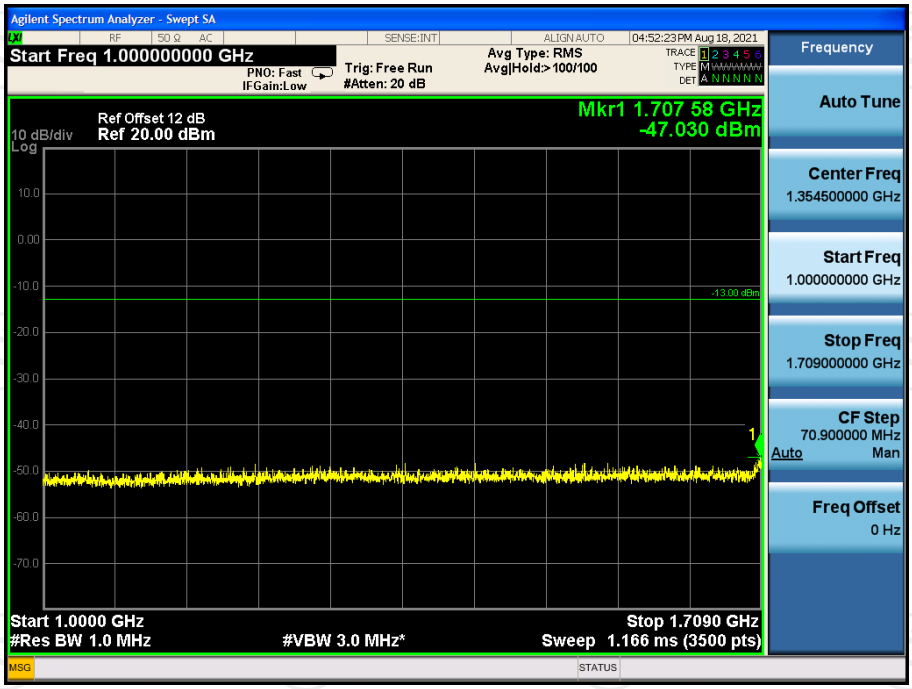

Agilent Spectrum Analyzer - Swept SA
Start Freq 1.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: RMS
Avg|Hold:>100/100
04:45:02 PM Aug 18, 2021
Frequency
Auto Tune
Ref Offset 12 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 1.926 88 GHz
-45.028 dBm
-13.00 dBm
Center Freq
1.464500000 GHz
Start Freq
1.000000000 GHz
Stop Freq
1.929000000 GHz
CF Step
92.900000 MHz
Auto
Man
Freq Offset
0 Hz
Start 1.0000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 1.9290 GHz
Sweep 1.166 ms (3500 pts)
MSG
STATUS


Agilent Spectrum Analyzer - Swept SA
Start Freq 1.996000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: RMS
Avg|Hold:>100/100
04:45:36 PM Aug 18, 2021
Frequency
Auto Tune
Ref Offset 12 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 2.156 GHz
-44.865 dBm
-13.00 dBm
Center Freq
10.998000000 GHz
Start Freq
1.996000000 GHz
Stop Freq
20.000000000 GHz
CF Step
1.800400000 GHz
Auto
Man
Freq Offset
0 Hz
Start 1.996 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 20.000 GHz
Sweep 45.02 ms (3500 pts)
MSG
STATUS

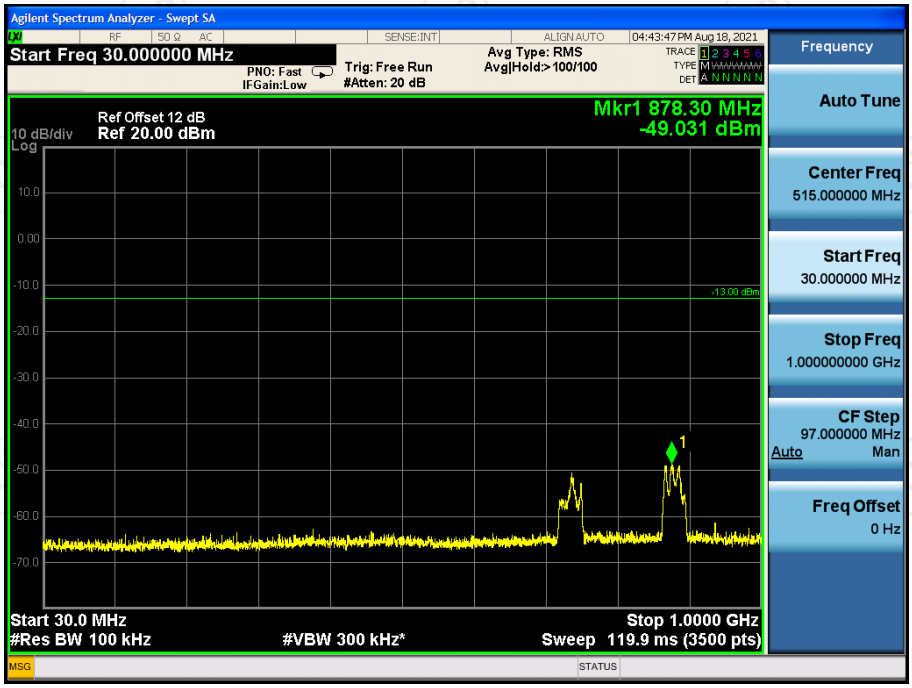
Test Plots

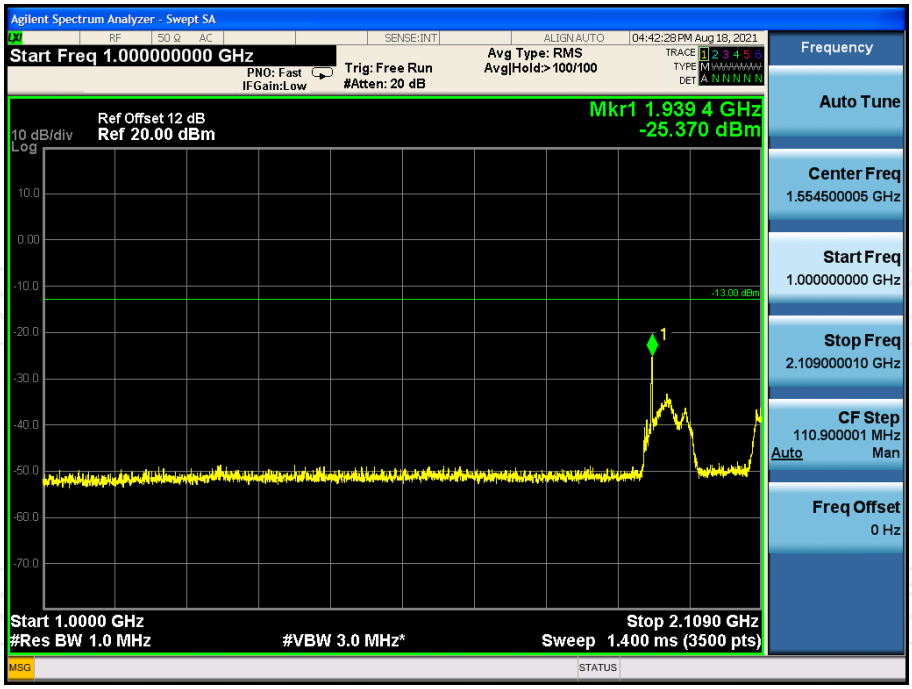
AWS-1 Uplink

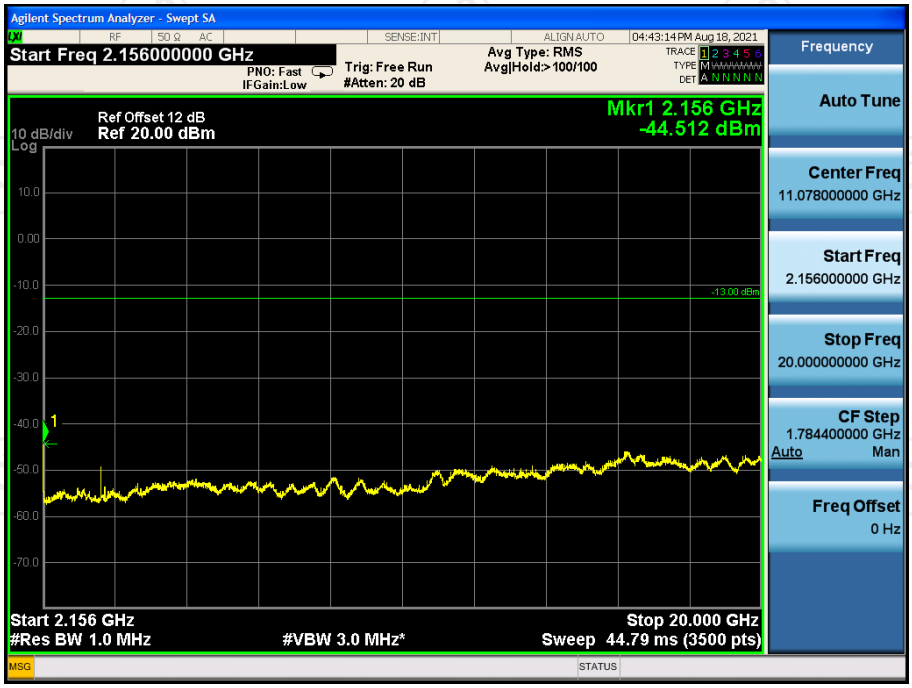




AWS-1 Downlink

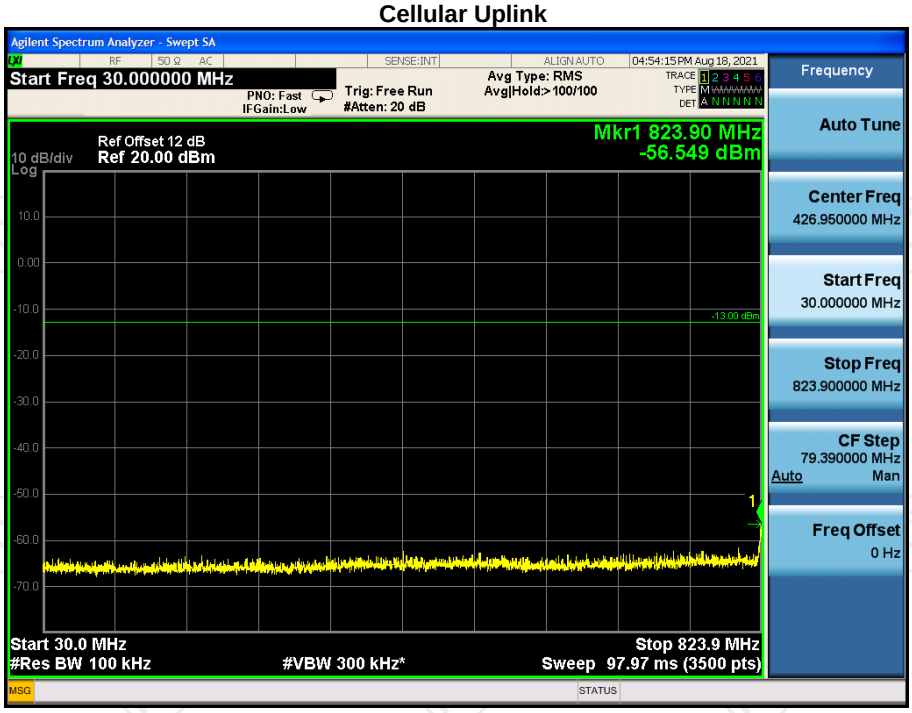


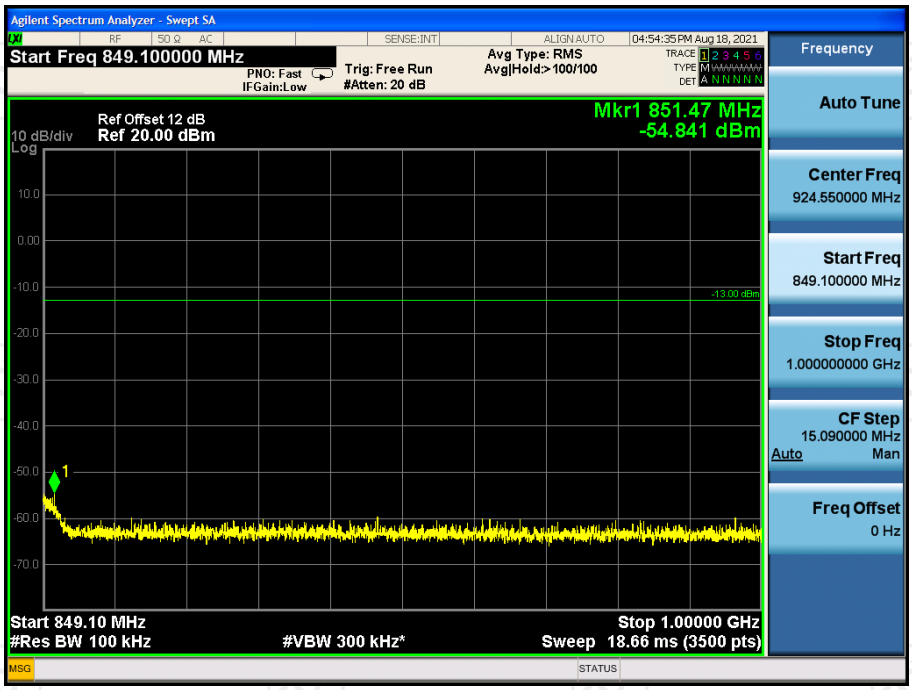

Agilent Spectrum Analyzer - Swept SA
Start Freq 1.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: RMS
Avg|Hold:>100/100
04:42:28 PM Aug 18, 2021
Frequency
Auto Tune
Ref Offset 12 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 1.939 4 GHz
-25.370 dBm
-13.00 dBm
Center Freq
1.554500005 GHz
Start Freq
1.000000000 GHz
Stop Freq
2.109000010 GHz
CF Step
110.900001 MHz
Auto
Man
Freq Offset
0 Hz
Start 1.0000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 2.1090 GHz
Sweep 1.400 ms (3500 pts)
MSG
STATUS


Agilent Spectrum Analyzer - Swept SA
Start Freq 2.156000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: RMS
Avg|Hold:>100/100
04:43:14 PM Aug 18, 2021
Frequency
Auto Tune
Ref Offset 12 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 2.156 GHz
-44.512 dBm
-13.00 dBm
Center Freq
11.078000000 GHz
Start Freq
2.156000000 GHz
Stop Freq
20.000000000 GHz
CF Step
1.784400000 GHz
Auto
Man
Freq Offset
0 Hz
Start 2.156 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 20.000 GHz
Sweep 44.79 ms (3500 pts)
MSG
STATUS

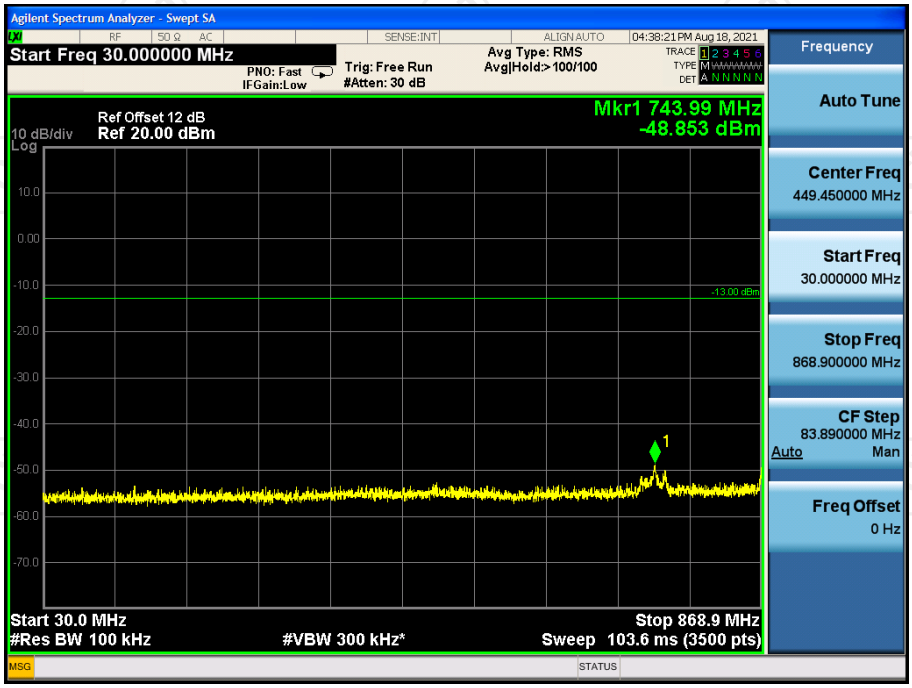
Test Plots

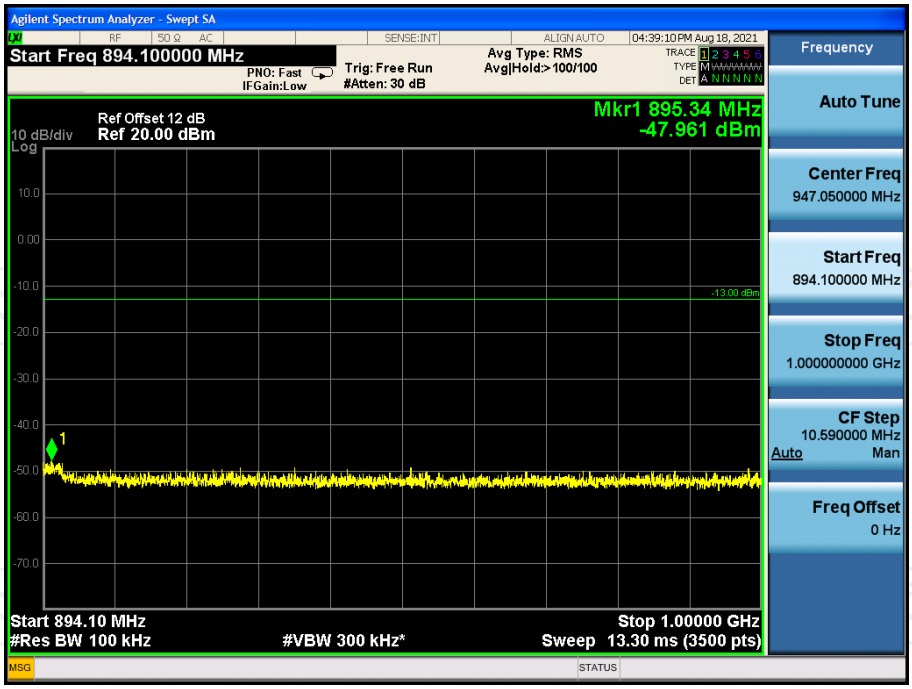
Cellular Uplink

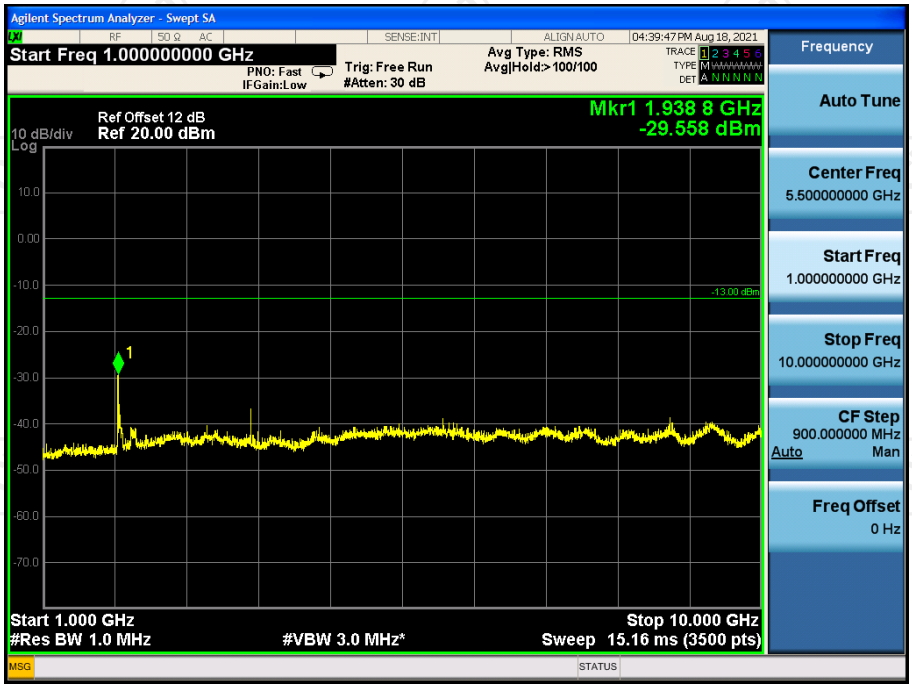




Cellular Downlink

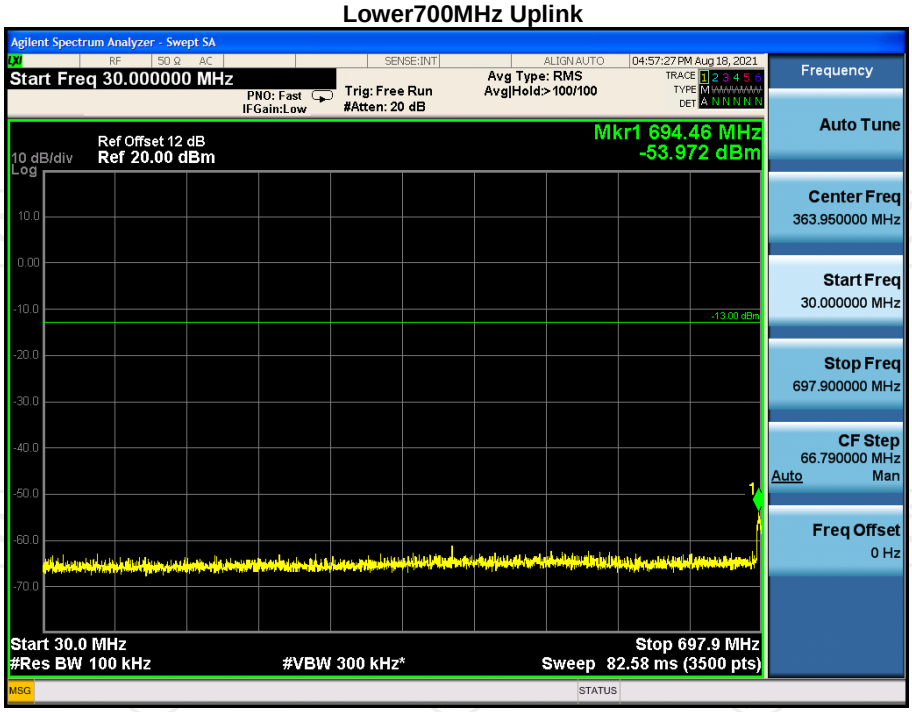


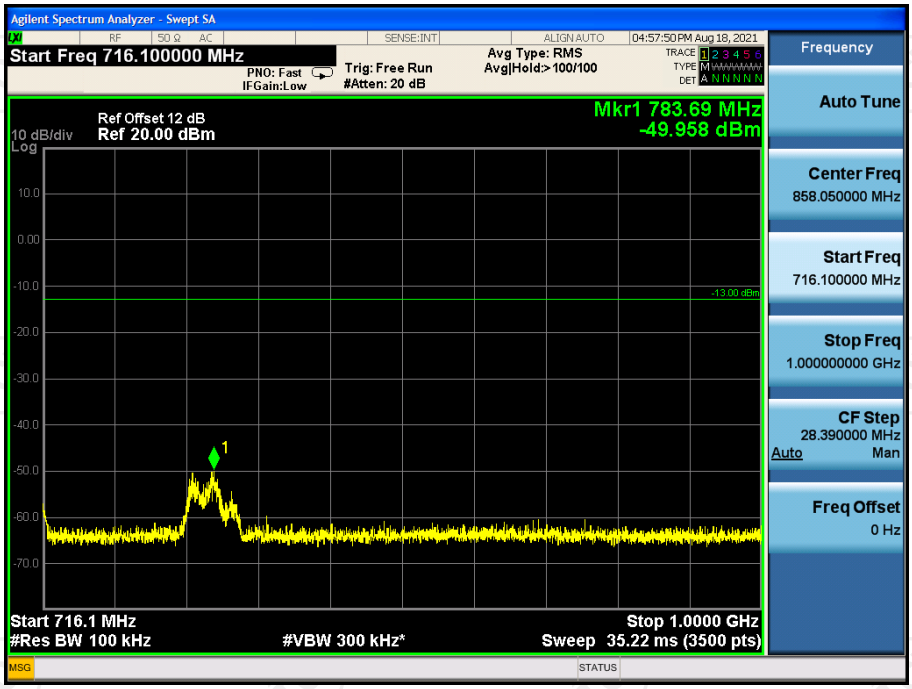

Agilent Spectrum Analyzer - Swept SA
Start Freq 894.100000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold:>100/100
04:39:10 PM Aug 18, 2021
Ref Offset 12 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 895.34 MHz
-47.961 dBm
-13.00 dBm
Start 894.10 MHz
#Res BW 100 kHz
#VBW 300 kHz*
Stop 1.00000 GHz
Sweep 13.30 ms (3500 pts)
Frequency
Auto Tune
Center Freq
947.050000 MHz
Start Freq
894.100000 MHz
Stop Freq
1.000000000 GHz
CF Step
10.590000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS


Agilent Spectrum Analyzer - Swept SA
Start Freq 1.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold:>100/100
04:39:47 PM Aug 18, 2021
Ref Offset 12 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 1.938 8 GHz
-29.558 dBm
-13.00 dBm
Start 1.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 10.000 GHz
Sweep 15.16 ms (3500 pts)
Frequency
Auto Tune
Center Freq
5.500000000 GHz
Start Freq
1.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
900.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

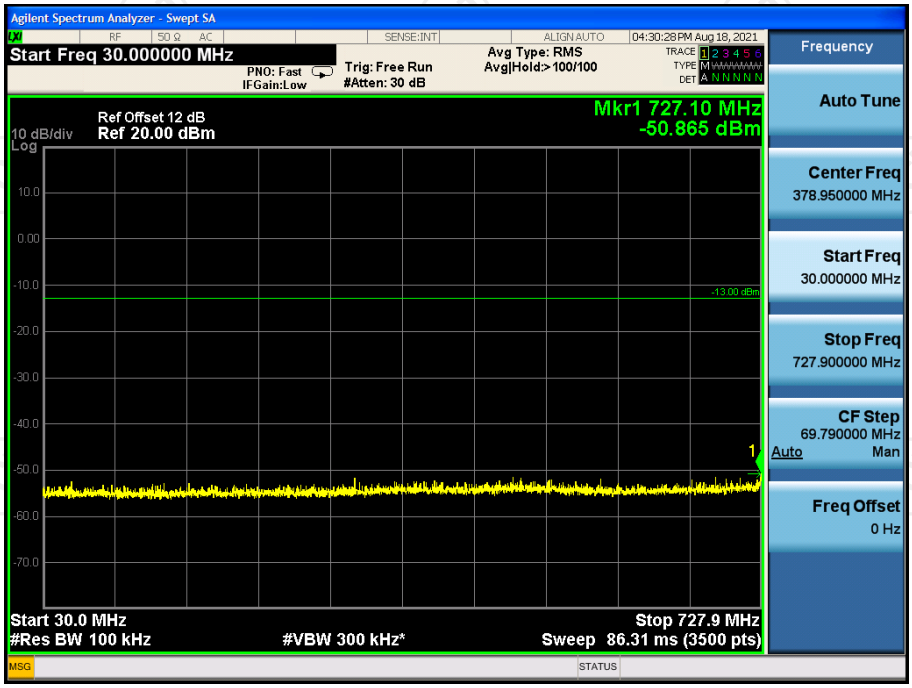
Test Plots

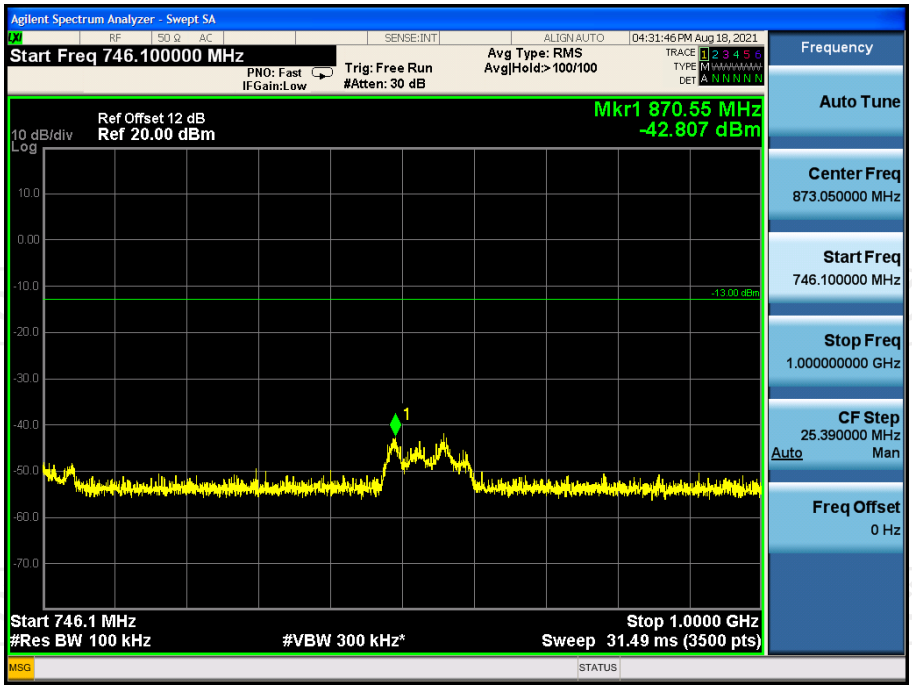
Lower700MHz Uplink

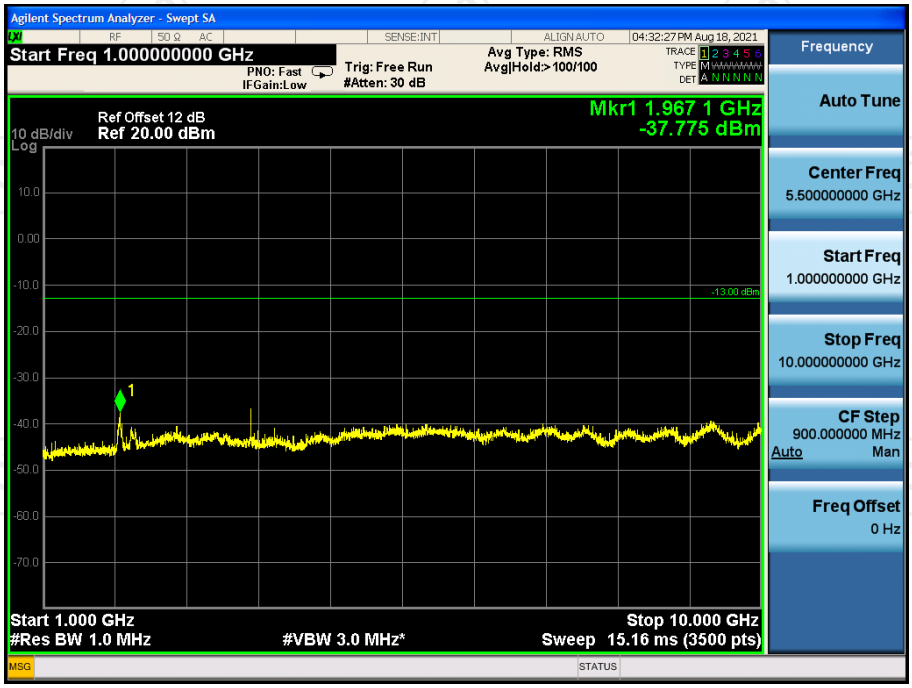




Lower700MHz Downlink

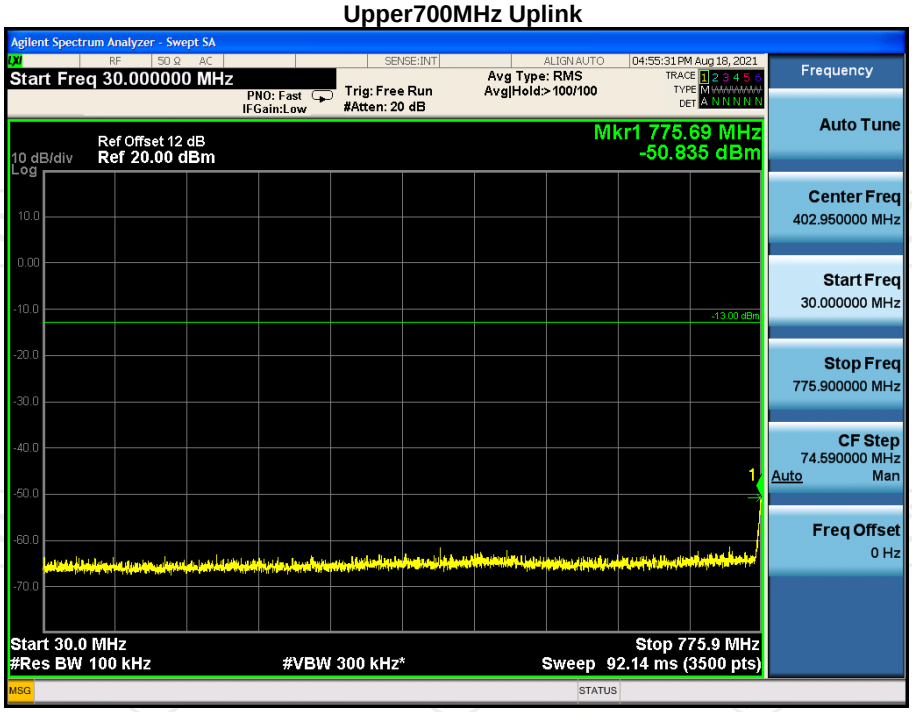


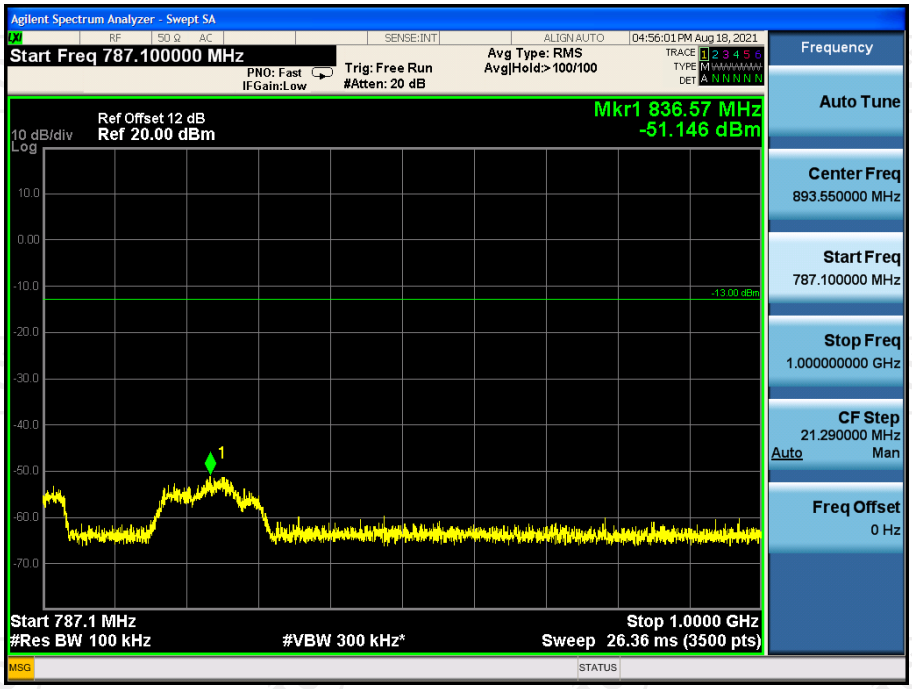

Agilent Spectrum Analyzer - Swept SA
Start Freq 746.100000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold:>100/100
04:31:46 PM Aug 18, 2021
Frequency
Ref Offset 12 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 870.55 MHz
-42.807 dBm
-13.00 dBm
Start 746.1 MHz
#Res BW 100 kHz
#VBW 300 kHz*
Stop 1.0000 GHz
Sweep 31.49 ms (3500 pts)
Auto Tune
Center Freq
873.050000 MHz
Start Freq
746.100000 MHz
Stop Freq
1.000000000 GHz
CF Step
25.390000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS


Agilent Spectrum Analyzer - Swept SA
Start Freq 1.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold:>100/100
04:32:27 PM Aug 18, 2021
Frequency
Ref Offset 12 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 1.967 1 GHz
-37.775 dBm
-13.00 dBm
Start 1.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 10.000 GHz
Sweep 15.16 ms (3500 pts)
Auto Tune
Center Freq
5.500000000 GHz
Start Freq
1.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
900.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

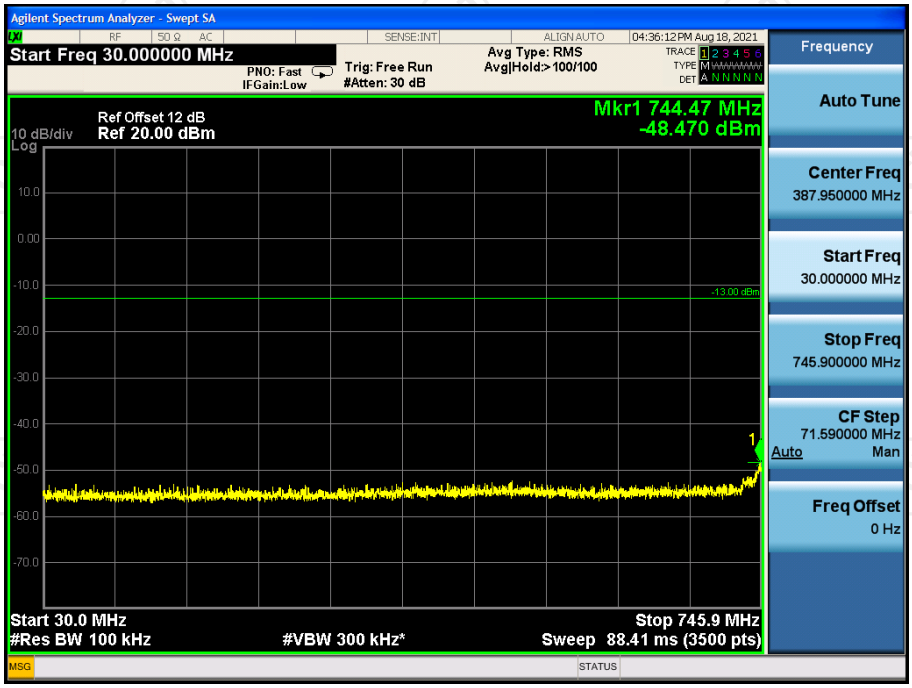
Test Plots

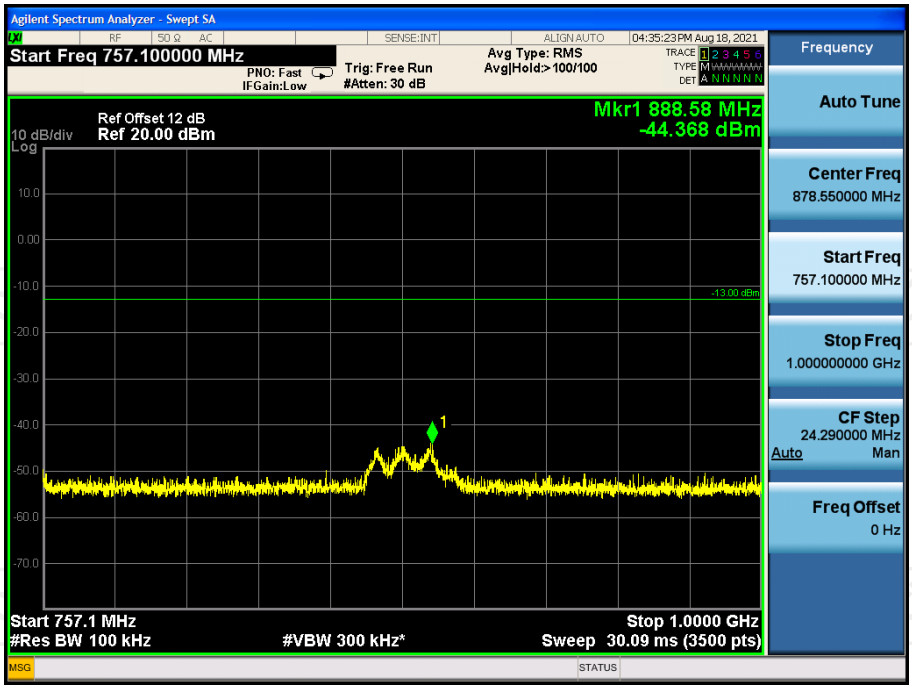
Upper700MHz Uplink

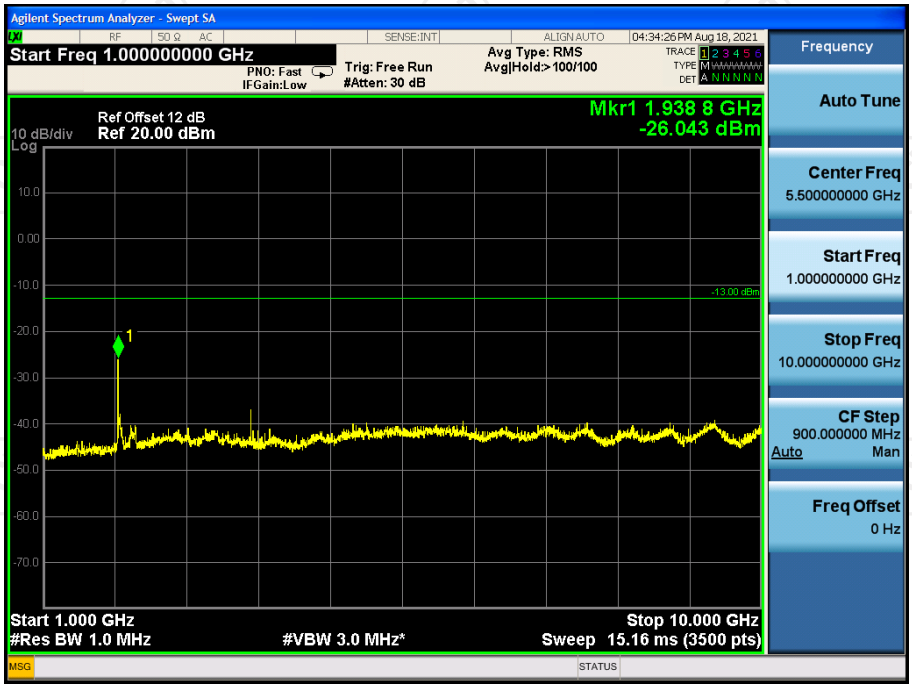




Upper700MHz Downlink

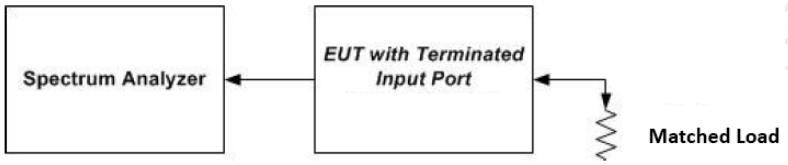
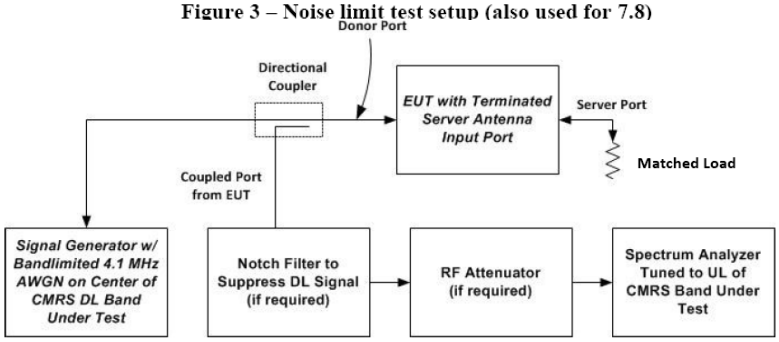



Agilent Spectrum Analyzer - Swept SA
Start Freq 757.100000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold:>100/100
04:35:23 PM Aug 18, 2021
Ref Offset 12 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 888.58 MHz
-44.368 dBm
-13.00 dBm
Start 757.1 MHz
#Res BW 100 kHz
#VBW 300 kHz*
Stop 1.0000 GHz
Sweep 30.09 ms (3500 pts)
Frequency
Auto Tune
Center Freq
878.550000 MHz
Start Freq
757.100000 MHz
Stop Freq
1.000000000 GHz
CF Step
24.290000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS


Agilent Spectrum Analyzer - Swept SA
Start Freq 1.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold:>100/100
04:34:26 PM Aug 18, 2021
Ref Offset 12 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 1.938 8 GHz
-26.043 dBm
-13.00 dBm
Start 1.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 10.000 GHz
Sweep 15.16 ms (3500 pts)
Frequency
Auto Tune
Center Freq
5.500000000 GHz
Start Freq
1.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
900.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

5.6. Noise Limits

5.6.1. Test Specification

Test Requirement:	FCC Part20 Section 20.21(e)(8)(i)(A); 20.21(e)(8)(i)(H)
Test Method:	KDB935210 D03 Signal Booster Measurements v04r04
Limit:	not exceed −103 dBm/MHz—RSSI. not exceed −102.5 dBm/MHz + 20 log (F), where Frequency is the uplink mid-band frequency of the supported spectrum bands in MHz.
Test Setup:	 Figure 3 – Noise limit test setup (also used for 7.8)  Figure 4 – Test setup for uplink noise power measurement in the presence of a downlink signal
Test Procedure:	a) Connect the EUT to the test equipment as shown in Figure 3. Begin with the uplink output (donor) port connected to the spectrum analyzer. When measuring downlink noise, connect the downlink output (server) port to the spectrum analyzer. b) Set the spectrum analyzer RBW to 1 MHz with the VBW ≥ 3 . RBW. c) Select the power averaging (rms) detector and trace average over at least 100 traces. d) Set the center frequency of the spectrum analyzer to the center of the CMRS band under test with the span ≥ 2 . the CMRS band. e) Measure the maximum transmitter noise power level. f) Save the spectrum analyzer Test Plots as necessary for inclusion in the final test report. g) Repeat 7.7b) to 7.7f) for all operational uplink and downlink bands. h) Connect the EUT to the test equipment as shown in Figure 4 for uplink noise power measurement in the presence a downlink signal. Affirm the coupled path of the RF coupler is connected to the spectrum analyzer. i) Configure the signal generator for AWGN operation with a 99% OBW of 4.1 MHz. j) Set the spectrum analyzer RBW for 1 MHz, VBW ≥ 3 . RBW, with a power averaging (rms) detector with at least 100 trace averages. k) Set the center frequency of the spectrum analyzer to the center of

	the CMRS band under test, with the span ≥ 2 □ the CMRS band. This shall include all spectrum blocks in the particular CMRS band under test (see Appendix A). l) For uplink noise measurements, set the spectrum analyzer center frequency for the uplink band under test, and tune the signal generator to the center of the paired downlink band. m) Measure the maximum transmitter noise power level while varying the downlink signal generator output level from −90 dBm to −20 dBm, as measured at the input port (i.e., downlink signal level at the booster donor port node of Figure 4), in 1 dB steps inside the RSSI-dependent region, and in 10 dB steps outside the RSSI-dependent region. Report the six values closest to the limit, with at least two points within the RSSI-dependent region of the limit. See Appendix D for noise limits graphs. n) Repeat 7.7.1h) through 7.7.1m) for all operational uplink bands. **Variable uplink noise timing** Variable uplink noise timing is to be measured as follows, using the test setup shown in Figure 4. a) Set the spectrum analyzer to the uplink frequency to be measured. b) Set the span to 0 Hz, with a sweep time of 10 seconds. c) Set the power level of signal generator to the lowest level of the RSSI-dependent noise [see 7.7.1m)]. d) Select MAX HOLD and increase the power level of signal generator by 10 dB for mobile boosters, and 20 dB for fixed boosters. e) Confirm that the uplink noise decreases to the specified level within 1 second for mobile devices, and within 3 seconds for fixed devices.12 f) Repeat 7.7.2a) to 7.7.2e) for all operational uplink bands. g) Include Test Plotss and summary table in test report.
Test Result:	PASS

5.6.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Signal Generator	Agilent	N5182A	MY47070282	Jul. 19, 2021	Jul. 18, 2022
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jul. 19, 2021	Jul. 18, 2022
RF Combiner	SUNVNDN	SUD-CS 0800	16230009	N/A	N/A
Attenuator	50FP-006-H3	JFW	907763	N/A	N/A

5.6.3. Test Data

Max Noise Power			
Frequency Band (MHz)	Measured dBm/MHz	Limit dBm/MHz	Result (dB)
PCS Uplink	-47.88	-37.02	PASS
AWS-1 Uplink	-47.77	-37.73	PASS
Cellular Uplink	-49.84	-44.05	PASS
Lower700MHz Uplink	-48.16	-45.51	PASS
Upper700MHz Uplink	-47.67	-44.64	PASS
PCS Downlink	-42.83	-37.02	PASS
AWS-1 Downlink	-46.66	-37.73	PASS
Cellular Downlink	-44.61	-44.05	PASS
Lower700MHz Downlink	-46.11	-45.51	PASS
Upper700MHz Downlink	-46.08	-44.64	PASS

Note: Fixed booster maximum noise power shall not exceed −102.5 dBm/MHz + 20 log (F), where Frequency is the uplink mid-band frequency of the supported spectrum bands in MHz.

Variable Uplink Noise				
Operation Bands	RSSI dBm	Measured dBm/MHz	Limit dBm/MHz	Results
PCS	-80	-48.22	-37.02	PASS
	-75	-48.38	-37.02	PASS
	-72	-51.67	-37.02	PASS
	-63	-51.91	-40.00	PASS
	-58	-54.14	-45.00	PASS
	-56	-55.29	-47.00	PASS
AWS-1	-80	-46.54	-37.73	PASS
	-75	-47.07	-37.73	PASS
	-71	-49.66	-37.73	PASS
	-68	-51.52	-37.73	PASS
	-64	-53.13	-39.00	PASS
	-58	-54.34	-45.00	PASS
Cellular	-80	-52.12	-44.05	PASS
	-70	-52.27	-44.05	PASS

	-69	-54.88	-44.05	PASS
	-64	-58.19	-44.05	PASS
	-62	-59.03	-44.05	PASS
	-56	-60.80	-47.00	PASS
Lower700MHz	-80	-50.32	-45.51	PASS
	-73	-60.09	-45.51	PASS
	-68	-53.30	-45.51	PASS
	-63	-55.65	-45.51	PASS
	-57	-57.54	-46.00	PASS
	-51	-58.19	-52.00	PASS
Upper700MHz	-80	-51.86	-44.64	PASS
	-70	-52.46	-44.64	PASS
	-67	-54.03	-44.64	PASS
	-62	-56.79	-44.64	PASS
	-57	-58.42	-46.00	PASS
	-53	-59.27	-50.00	PASS

Note: According to the KDB 935210 D03 Signal Booster Measurements v04r04 APPENDIX D, when outside of RSSI Dependent limit (20.21.e.8.1.A.1),fixed booster maximum noise power shall not exceed −102.5 dBm/MHz + 20 log (F).RSSI limit not exceed −103 dBm/MHz-RSSI.

Variable Uplink Noise Timing

Operation Bands	Measured Sec	Limit Sec	Results
PCS	0.04	3	PASS
AWS-1	0.02	3	PASS
Cellular	0.02	3	PASS
Lower700MHz	0.03	3	PASS
Upper700MHz	0.06	3	PASS

Test Plots

PCS

Uplink Noise

Downlink Noise