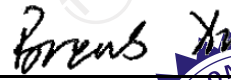


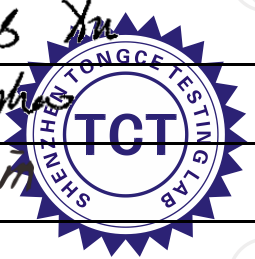


TEST REPORT

FCC ID..... :	RSN-UWBCBAND	
Test Report No..... :	TCT240219E019	
Date of issue..... :	Apr. 10, 2024	
Testing laboratory	SHENZHEN TONGCE TESTING LAB	
Testing location/ address:	2101 & 2201, Zhenchang Factory Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China	
Applicant's name..... :	Cellphone-Mate Inc. dba SureCall	
Address..... :	48346 Milmont Drive, Fremont, California 94538, United States	
Manufacturer's name ... :	Shenzhen Surecall Comm Tech Co Ltd	
Address..... :	2nd Floor, Yutian Bldg Yangtian Rd. 72nd Zone Bao'an District, Shenzhen, 518100 China	
Standard(s)	FCC CFR Title 47 Part 20.21 FCC CFR Title 47 Part 27 FCC CFR Title 47 Part 2 KDB 935210 D05 Indus Booster Basic Meas v01r04	
Product Name..... :	SureCall ULTRAWIDEBAND 5G C-BAND SIGNAL BOOSTER	
Trade Mark	Surecall	
Model/Type reference..... :	SC-5G-CB	
Rating(s)..... :	Adapter Information: MODEL: KZI2802000 INPUT: AC 100-240V, 50/60Hz, 1.5A MAX OUTPUT: DC 28.0V, 2.0A, 56.0W	
Date of receipt of test item	Feb. 19, 2024	
Date (s) of performance of test..... :	Feb. 19, 2024 ~ Apr. 10, 2024	
Tested by (+signature) ... :	Brews XU	
Check by (+signature).... :	Beryl ZHAO	
Approved by (+signature):	Tomsin	



General disclaimer:

This report shall not be reproduced except in full, without the written approval of SHENZHEN TONGCE TESTING LAB. This document may be altered or revised by SHENZHEN TONGCE TESTING LAB personnel only, and shall be noted in the revision section of the document. The test results in the report only apply to the tested sample.

Table of Contents

1. General Product Information	3
1.1. EUT description	3
1.2. Model(s) list.....	3
2. Test Result Summary	4
3. General Information.....	5
3.1. Test environment.....	5
3.2. Description of Support Units.....	5
3.3. Signal used in test.....	5
4. Facilities and Accreditations	6
4.1. Facilities	6
4.2. Location	6
4.3. Measurement Uncertainty.....	6
5. Test Results and Measurement Data	7
5.1. AGC Threshold Level	7
5.2. Out-of-band rejection	9
5.3. Input-versus-output signal comparison	14
5.4. Mean output power and amplifier/booster gain	78
5.5. Out-of-Band/Out-of-Block Emission	124
5.6. Conducted Spurious Emission	286
5.7. Frequency Stability Measurement	432
6. Radiation Spurious Emission	435
Appendix A: Photographs of Test Setup	
Appendix B: Photographs of EUT	

1. General Product Information

1.1. EUT description

Product Name:	SureCall ULTRAWIDEBAND 5G C-BAND SIGNAL BOOSTER
Model/Type reference:	SC-5G-CB
Sample Number:	TCT240219E019-0101
Operation Frequency	Full Band Mode: UL: 3700MHz – 3980MHz DL: 3700MHz – 3980MHz Sub-Band Mode: UL: 3700MHz – 3840MHz DL: 3700MHz – 3840MHz
Signal Booster Type:	Industrial Signal Booster
Emission Designator	G7D, W7D
FCC Classification	B2I-Part 20 Industrial Booster (CMRS)
Antenna Gain:	Outdoor: 20dBi Indoor: 12dBi
Cable Loss	Outdoor: 10dB Indoor: 10dB
Rating(s):	Adapter Information: MODEL: KZI2802000 INPUT: AC 100-240V, 50/60Hz, 1.5A MAX OUTPUT: DC 28.0V, 2.0A, 56.0W

Note: The antenna gain listed in this report is provided by applicant, and the test laboratory is not responsible for this parameter.

1.2. Model(s) list

None.

2. Test Result Summary

Requirement	CFR 47 Section	Result
AGC threshold level	KDB 935210 D05 v01r04 Section 3.2	PASS
Out-of-band rejection	KDB 935210 D05 v01r04 Section 3.3	PASS
Input-versus-output signal comparison	KDB 935210 D05 v01r04 Section 3.4 & §2.1049	PASS
Mean output power and amplifier/booster gain	§2.1046 & §27.50 (j)	PASS
Out-of-band/Out-of-block emissions	§2.1051 & §27.53 (l)	PASS
Conducted Spurious Emission	§2.1051 & §27.53 (l)	PASS
Frequency stability	§2.1055 & §27.54	PASS
Radiated Spurious Emission	§2.1053 & §27.53 (l)	PASS

Note:

1. PASS: Test item meets the requirement.
2. Fail: Test item does not meet the requirement.
3. N/A: Test case does not apply to the test object.
4. The test result judgment is decided by the limit of test standard.

3. General Information

3.1. Test environment

Operating Environment:	
Temperature:	25.0 °C
Humidity:	56 % RH
Atmospheric Pressure:	1010 mbar

3.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
/	/	/	/	/

3.3. Signal used in test

Signal type	Bandwidth (MHz)	Modulation
5G NR	20	QPSK
5G NR	40	QPSK
5G NR	60	QPSK
5G NR	80	QPSK
5G NR	100	QPSK

4. Facilities and Accreditations

4.1. Facilities

The test facility is recognized, certified, or accredited by the following organizations:

- FCC - Registration No.: 645098

SHENZHEN TONGCE TESTING LAB

Designation Number: CN1205

The testing lab has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

- IC - Registration No.: 10668A-1

SHENZHEN TONGCE TESTING LAB

CAB identifier: CN0031

The testing lab has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing.

4.2. Location

SHENZHEN TONGCE TESTING LAB

Address: 2101 & 2201, Zhenchang Factory Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China

TEL: +86-755-27673339

4.3. Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

No.	Item	MU
1	Conducted Emission	± 3.10 dB
2	RF power, conducted	± 0.12 dB
3	Spurious emissions, conducted	± 0.11 dB
4	All emissions, radiated(<1 GHz)	± 4.56 dB
5	All emissions, radiated(1 GHz - 18 GHz)	± 4.22 dB
6	All emissions, radiated(18 GHz- 40 GHz)	± 4.36 dB

5. Test Results and Measurement Data

5.1. AGC Threshold Level

5.1.1. Test Specification

Test Requirement:	KDB 935210 D05 v01r04 Section 3.2
Test Method:	KDB 935210 D05 Indus Booster Basic Meas v01r04
Test Setup:	<pre> graph LR SG[Signal Generator] --> EUT[EUT] EUT --> RA[RF Attenuator (if required)] RA --> SA[Spectrum Analyzer] </pre>
Test Procedure:	<p>a) Connect a signal generator to the input of the EUT.</p> <p>b) Connect a spectrum analyzer or power meter to the output of the EUT using appropriate attenuation as necessary.</p> <p>c) The signal generator should initially be configured to produce either of the required test signals (i.e., broadband or narrowband).</p> <p>d) Set the signal generator frequency to the center frequency of the EUT operating band.</p> <p>e) While monitoring the output power of the EUT, measured using the methods of 3.5.3 or 3.5.4, increase the input level until a 1 dB increase in the input signal power no longer causes a 1 dB increase in the output signal power.</p> <p>f) Record this level as the AGC threshold level.</p> <p>g) Repeat the procedure with the remaining test signal.</p>
Test Result:	PASS

5.1.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Signal Generator	Agilent	N5182B	MY53052214	Jun. 29, 2023	Jun. 28, 2024
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jun. 29, 2023	Jun. 28, 2024
Attenuator	50FP-006-H3	JFW	907763	/	/

5.1.3. Test data

Path1(Donor1↔Server1)

Mode	Link	Signal Type	Center Frequency (MHz)	AGC Threshold Level (dBm)
Full Band Mode	Uplink	5G NR 20 MHz	3840.00	-49.0
		5G NR 40 MHz	3840.00	-49.0
		5G NR 60 MHz	3840.00	-49.0
		5G NR 80 MHz	3840.00	-49.0
		5G NR 100 MHz	3840.00	-49.0
	Downlink	5G NR 20 MHz	3840.00	-49.5
		5G NR 40 MHz	3840.00	-49.5
		5G NR 60 MHz	3840.00	-49.5
		5G NR 80 MHz	3840.00	-48.0
		5G NR 100 MHz	3840.00	-48.0
Sub-Band Mode	Uplink	5G NR 20 MHz	3770.00	-47.0
		5G NR 40 MHz	3770.00	-47.0
		5G NR 60 MHz	3770.00	-47.5
		5G NR 80 MHz	3770.00	-47.5
		5G NR 100 MHz	3770.00	-47.5
	Downlink	5G NR 20 MHz	3770.00	-46.5
		5G NR 40 MHz	3770.00	-46.5
		5G NR 60 MHz	3770.00	-46.5
		5G NR 80 MHz	3770.00	-46.5
		5G NR 100 MHz	3770.00	-46.5

Path2(Donor2↔Server2)

Mode	Link	Signal Type	Center Frequency (MHz)	AGC Threshold Level (dBm)
Full Band Mode	Uplink	5G NR 20 MHz	3840.00	-47.0
		5G NR 40 MHz	3840.00	-47.0
		5G NR 60 MHz	3840.00	-47.5
		5G NR 80 MHz	3840.00	-47.5
		5G NR 100 MHz	3840.00	-48.0
	Downlink	5G NR 20 MHz	3840.00	-49.5
		5G NR 40 MHz	3840.00	-49.5
		5G NR 60 MHz	3840.00	-49.5
		5G NR 80 MHz	3840.00	-50.0
		5G NR 100 MHz	3840.00	-50.0
Sub-Band Mode	Uplink	5G NR 20 MHz	3770.00	-45.5
		5G NR 40 MHz	3770.00	-46.0
		5G NR 60 MHz	3770.00	-46.0
		5G NR 80 MHz	3770.00	-46.0
		5G NR 100 MHz	3770.00	-45.5
	Downlink	5G NR 20 MHz	3770.00	-48.0
		5G NR 40 MHz	3770.00	-48.0
		5G NR 60 MHz	3770.00	-47.5
		5G NR 80 MHz	3770.00	-47.5
		5G NR 100 MHz	3770.00	-47.5

5.2. Out-of-band rejection

5.2.1. Test Specification

Test Requirement:	KDB 935210 D05 v01r04 Section 3.3
Test Method:	KDB 935210 D05 Indus Booster Basic Meas v01r04
Test Setup:	<pre> graph LR SG[Signal Generator] --> EUT[EUT] EUT --> RA[RF Attenuator (if required)] RA --> SA[Spectrum Analyzer] </pre>
Test Procedure:	<p>a) Connect a signal generator to the input of the EUT.</p> <p>b) Configure a swept CW signal with the following parameters:</p> <ol style="list-style-type: none"> 1) Frequency range = $\pm 250\%$ of the passband, for each applicable CMRS band (see also KDB Publication 935210 D02 [R7] and KDB Publication 634817 [R5] about selection of frequencies for testing and for grant listings). 2) Level = a sufficient level to affirm that the out-of-band rejection is > 20 dB above the noise floor and will not engage the AGC during the entire sweep. 3) Dwell time = approximately 10 ms. 4) Number of points = $\text{SPAN}/(\text{RBW}/2)$. <p>c) Connect a spectrum analyzer to the output of the EUT using appropriate attenuation.</p> <p>d) Set the span of the spectrum analyzer to the same as the frequency range of the signal generator.</p> <p>e) Set the resolution bandwidth (RBW) of the spectrum analyzer to be 1 % to 5 % of the EUT passband, and the video bandwidth (VBW) shall be set to $\geq 3 \times \text{RBW}$.</p> <p>f) Set the detector to Peak Max-Hold and wait for the spectrum analyzer's spectral display to fill.</p> <p>g) Place a marker to the peak of the frequency response and record this frequency as f_0.</p>
Test Result:	PASS

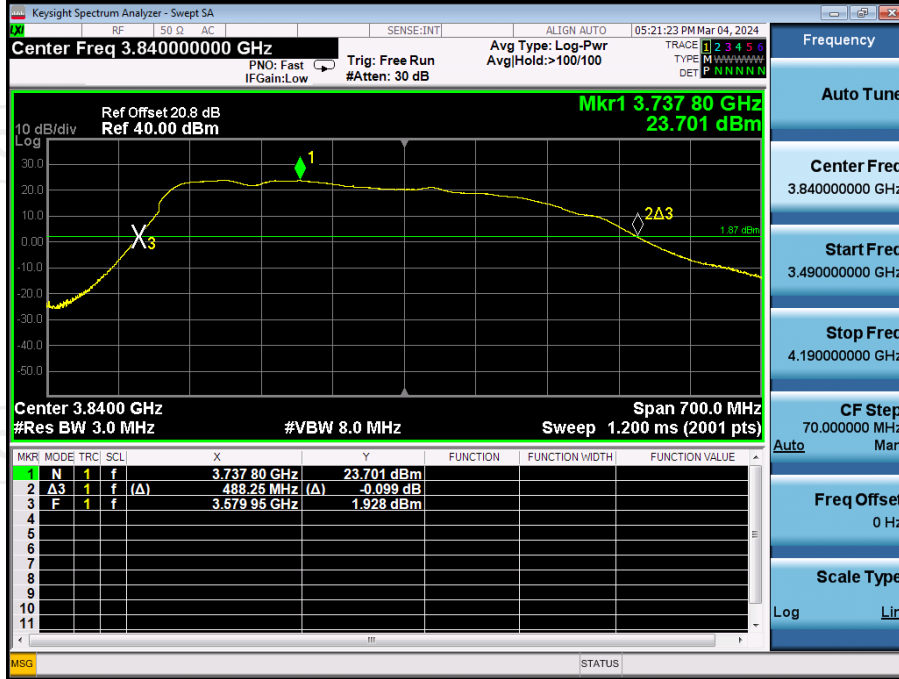
5.2.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Signal Generator	Agilent	N5182B	MY53052214	Jun. 29, 2023	Jun. 28, 2024
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jun. 29, 2023	Jun. 28, 2024
Attenuator	50FP-006-H3	JFW	907763	/	/

5.2.3. Test data

Path 1

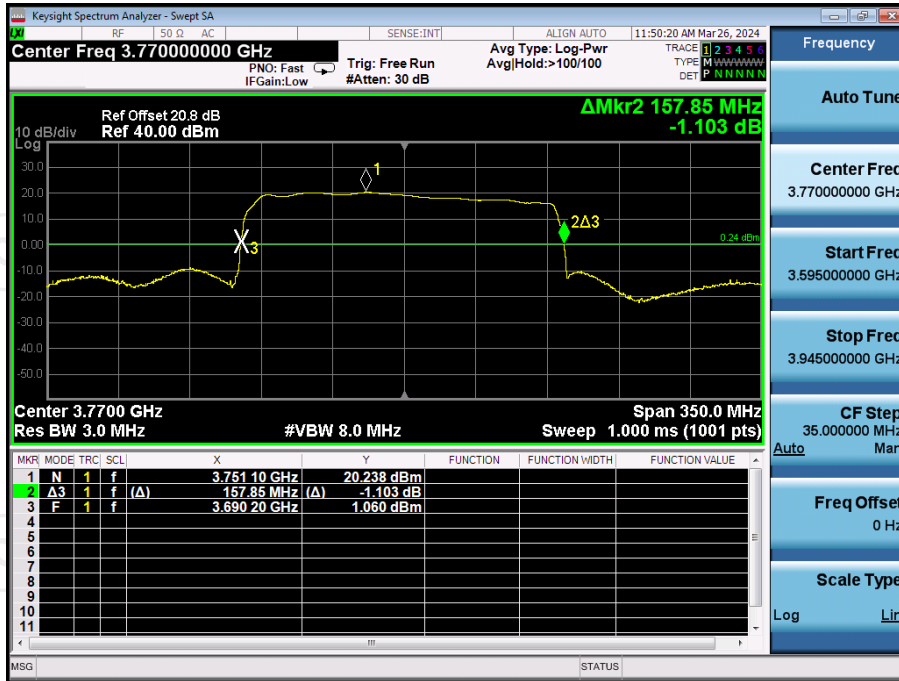
Full-Band Mode Uplink



Full-Band Mode Downlink



Sub-Band Mode Uplink



Sub-Band Mode Downlink



Path 2
Full-Band Mode Uplink



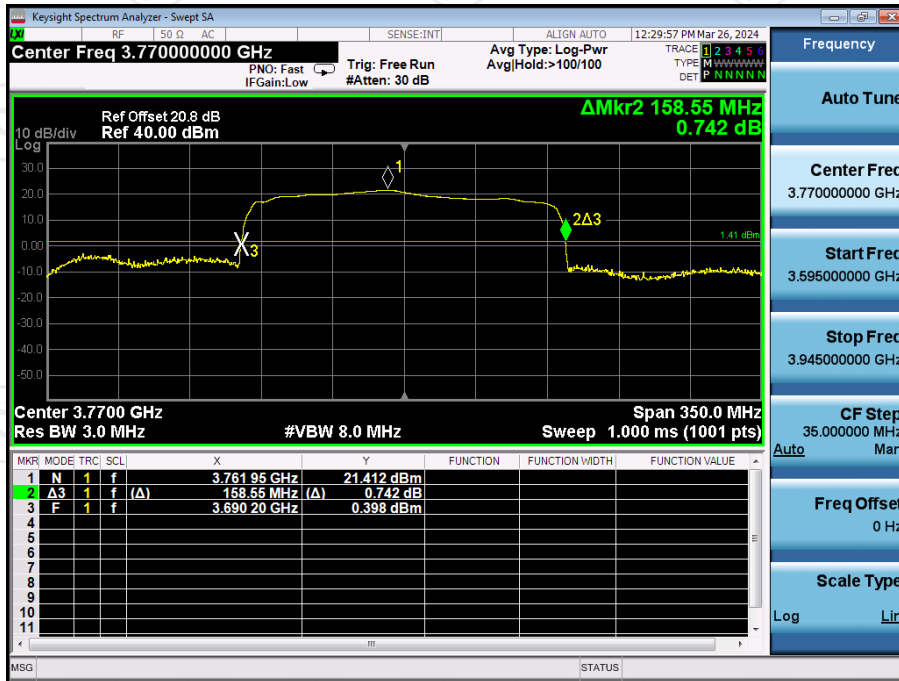
Full-Band Mode Downlink



Sub-Band Mode Uplink

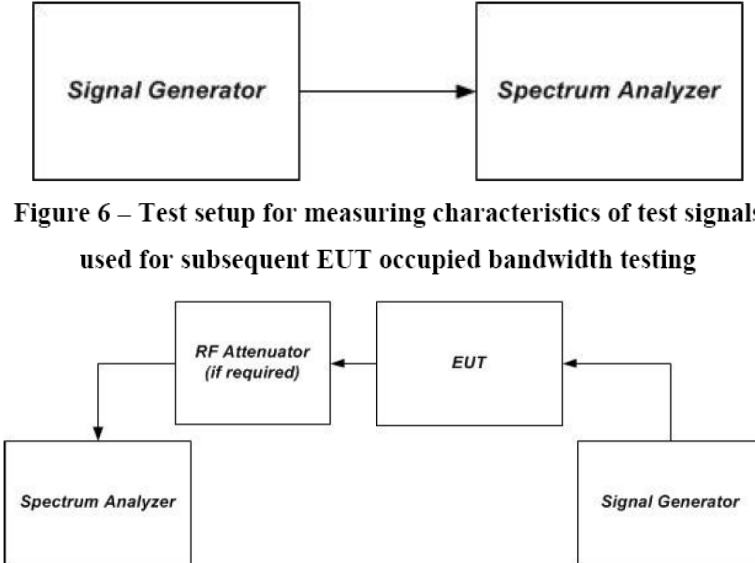


Sub-Band Mode Downlink



5.3. Input-versus-output signal comparison

5.3.1. Test Specification

Test Requirement:	FCC Part2 Section 2.1049
Test Method:	KDB 935210 D05 Indus Booster Basic Meas v01r04
Limit:	N/A
Test setup:	 <p>Figure 6 – Test setup for measuring characteristics of test signals used for subsequent EUT occupied bandwidth testing</p>
Test Procedure:	<p>a) Connect a signal generator to the input of the EUT.</p> <p>b) Configure the signal generator to transmit the signal specified in section 3.3 of this report.</p> <p>c) Configure the signal amplitude to be just below the AGC threshold level (see 3.2), but not more than 0.5 dB below.</p> <p>d) Connect a spectrum analyzer to the output of the EUT using appropriate attenuation.</p> <p>e) Set the spectrum analyzer center frequency to the center frequency of the operational band under test. The span range of the spectrum analyzer shall be between 2 x to 5 x the emission bandwidth (EBW) or alternatively, the OBW.</p> <p>f) The nominal RBW shall be in the range of 1 % to 5 % of the anticipated OBW, and the VBW shall be $\geq 3 \times$ RBW.</p> <p>g) Set the reference level of the instrument as required to preclude the signal from exceeding the maximum spectrum analyzer input mixer level for linear operation. In general, the peak of the spectral envelope must be more than $[10 \log (OBW / RBW)]$ below the reference level. Steps f) and g) may require iteration to enable adjustments within the specified tolerances.</p> <p>h) The noise floor of the spectrum analyzer at the selected RBW shall be at least 36 dB below the</p>

reference level.

- i) Set spectrum analyzer detection function to positive peak.
- j) Set the trace mode to max hold.
- k) Determine the reference value: Allow the trace to stabilize. Set the spectrum analyzer marker to the highest amplitude level of the displayed trace (this is the reference value) and record the associated frequency.
- l) Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the -26 dB down amplitude. The 26 dB EBW (alternatively OBW) is the positive frequency difference between the two markers. If the spectral envelope crosses the -26 dB down amplitude at multiple points, the lowest or highest frequency shall be selected as the frequencies that are the furthest removed from the center frequency at which the spectral envelope crosses the -26 dB down amplitude point.
- m) Repeat steps e) to l) with the input signal connected directly to the spectrum analyzer (i.e., input signal measurement).
- n) Compare the spectral plot of the input signal (determined from step m) to the output signal (determined from step l) to affirm that they are similar (in passband and rolloff characteristic features and relative spectral locations), and include plot(s) and descriptions in test report.
- o) Repeat the procedure [steps e) to n)] with the input signal amplitude set to 3 dB above the AGC threshold.
- p) Repeat steps e) to o) with the signal generator set to the narrowband signal.
- q) Repeat steps e) to p) for all frequency bands authorized for use by the EUT.

Test results: PASS

5.3.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Signal Generator	Agilent	N5182B	MY53052214	Jun. 29, 2023	Jun. 28, 2024
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jun. 29, 2023	Jun. 28, 2024

5.3.3. Test Data

Path 1

Operation Band		Signal Type	Input 99%OBW [MHz]	Output 99%OBW [MHz]	
				Pre AGC	AGC+3dB
Full-Band (3700MHz-3980MHz)	Uplink	5G NR 20MHz	18.004	17.955	17.969
		5G NR 40MHz	36.018	35.900	35.905
		5G NR 60MHz	58.031	58.141	58.131
		5G NR 80MHz	77.553	77.205	77.382
		5G NR 100MHz	96.876	96.318	96.714
	Downlink	5G NR 20MHz	18.054	17.922	17.927
		5G NR 40MHz	35.972	35.884	35.894
		5G NR 60MHz	58.141	58.094	57.950
		5G NR 80MHz	77.490	77.433	77.461
		5G NR 100MHz	96.998	96.565	96.619
Sub-Band (3700MHz-3840MHz)	Uplink	5G NR 20MHz	18.032	17.992	18.095
		5G NR 40MHz	36.076	35.979	36.076
		5G NR 60MHz	58.107	57.962	58.214
		5G NR 80MHz	77.571	77.445	77.766
		5G NR 100MHz	96.930	96.790	96.782
	Downlink	5G NR 20MHz	18.044	17.991	17.956
		5G NR 40MHz	36.121	35.824	35.819
		5G NR 60MHz	58.194	57.629	57.764
		5G NR 80MHz	77.512	77.149	77.110
		5G NR 100MHz	96.800	96.122	96.289

Path 2

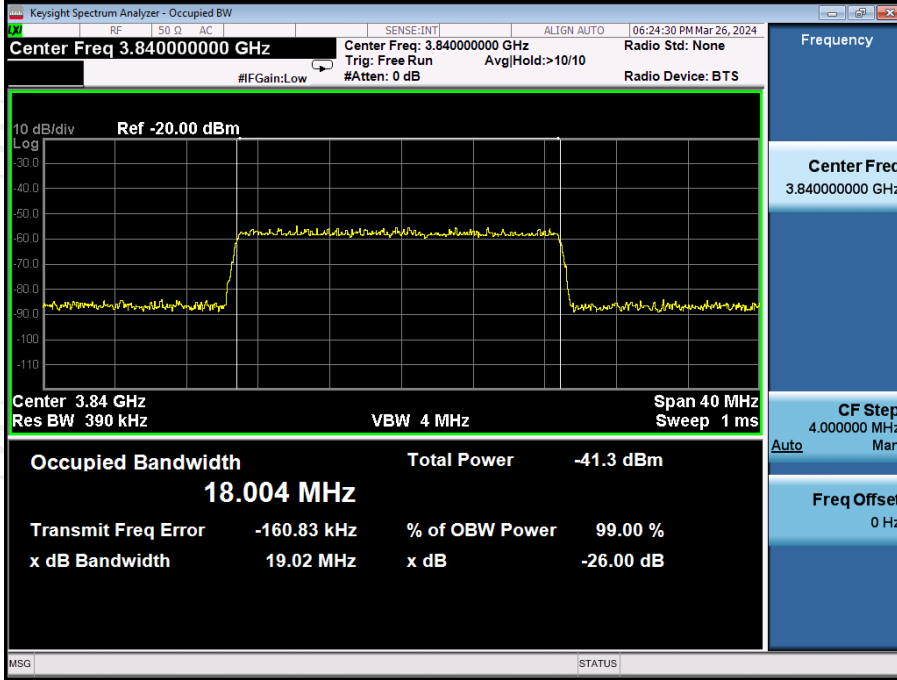
Operation Band		Signal Type	Input 99%OBW [MHz]	Output 99%OBW [MHz]	
				Pre AGC	AGC+3dB
Full-Band (3700MHz-3980MHz)	Uplink	5G NR 20MHz	18.004	17.933	17.998
		5G NR 40MHz	36.018	35.855	35.935
		5G NR 60MHz	58.031	58.048	58.236
		5G NR 80MHz	77.553	77.536	77.551
		5G NR 100MHz	96.876	96.853	96.846
	Downlink	5G NR 20MHz	18.054	17.960	17.936
		5G NR 40MHz	35.972	35.867	35.863
		5G NR 60MHz	58.141	57.927	57.923
		5G NR 80MHz	77.490	77.155	77.211
		5G NR 100MHz	96.998	96.545	96.606
Sub-Band (3700MHz-3840MHz)	Uplink	5G NR 20MHz	18.032	17.982	18.107
		5G NR 40MHz	36.076	35.844	36.005
		5G NR 60MHz	58.107	57.799	58.361
		5G NR 80MHz	77.571	77.337	77.659
		5G NR 100MHz	96.930	96.425	96.585
	Downlink	5G NR 20MHz	18.044	17.946	17.988
		5G NR 40MHz	36.121	35.818	35.732
		5G NR 60MHz	58.194	57.823	57.850
		5G NR 80MHz	77.512	77.067	77.117
		5G NR 100MHz	96.800	96.501	96.595

Test Plots

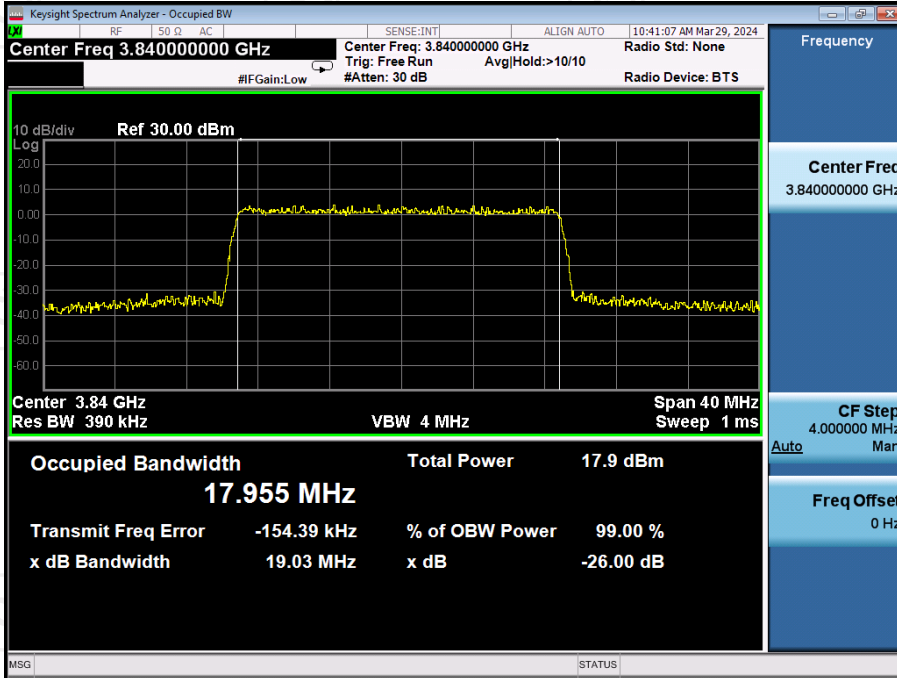
Path 1

Full-Band Mode

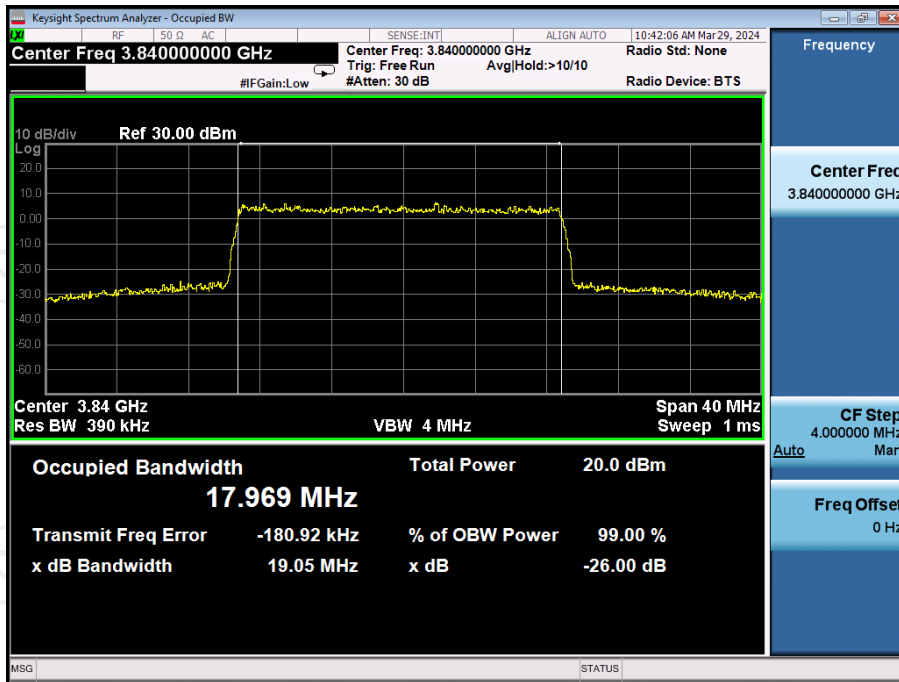
Input 5G NR 20MHz UL



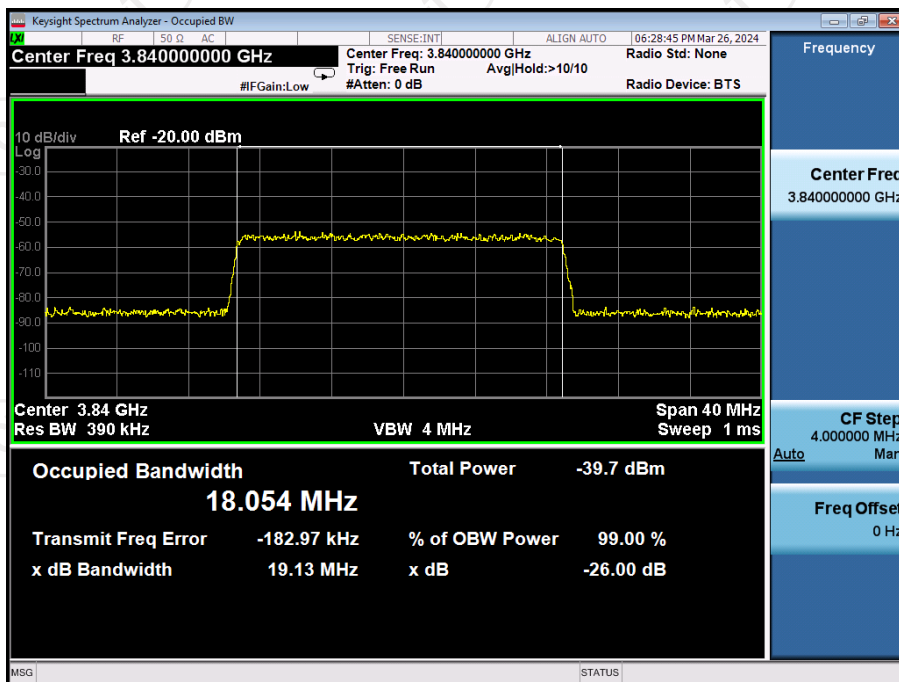
Output 5G NR 20MHz UL @Pre AGC



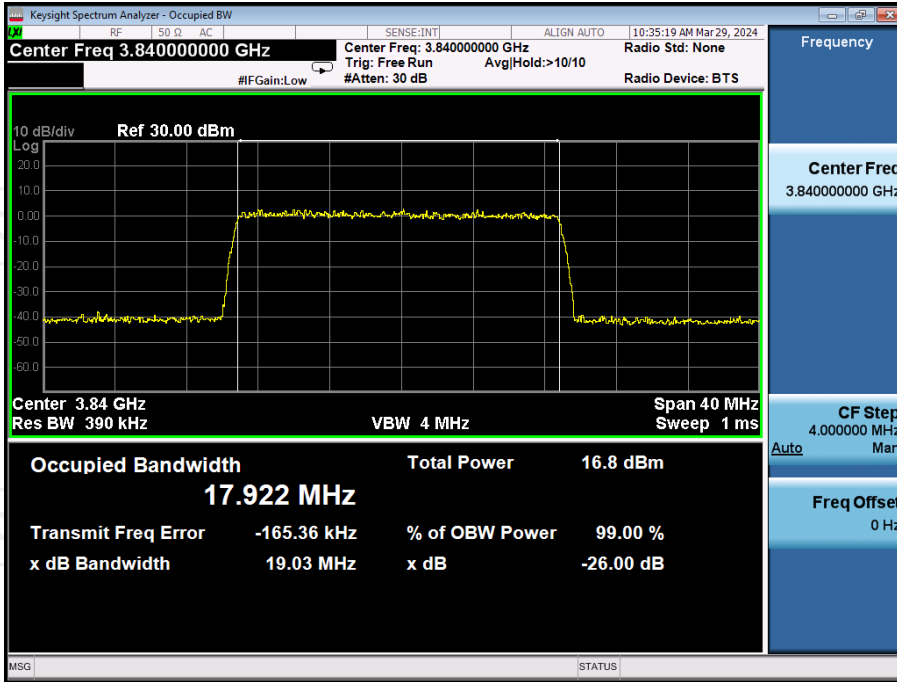
Output 5G NR 20MHz UL @AGC + 3dB



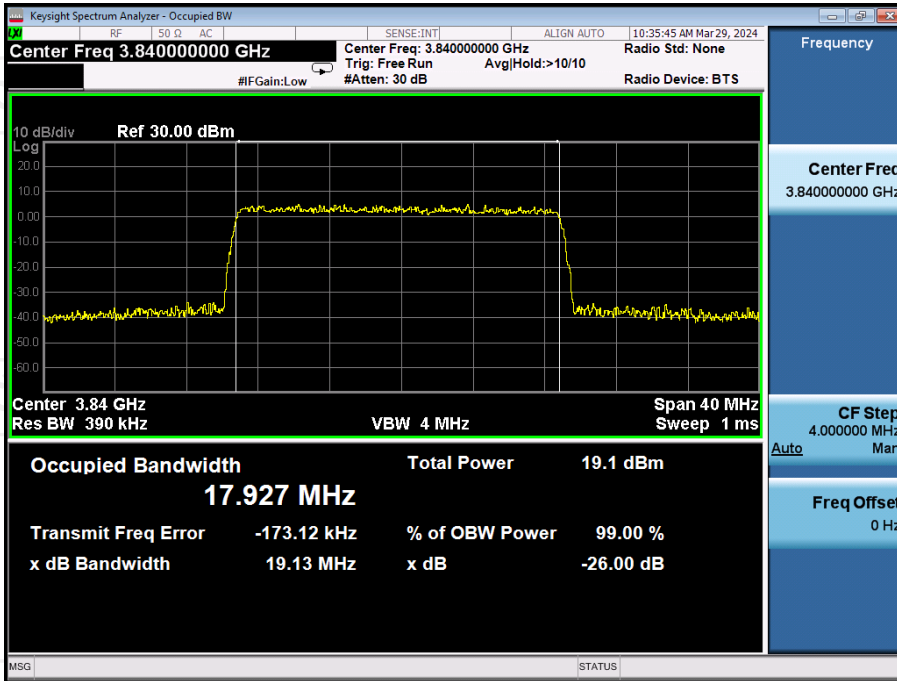
Input 5G NR 20MHz DL



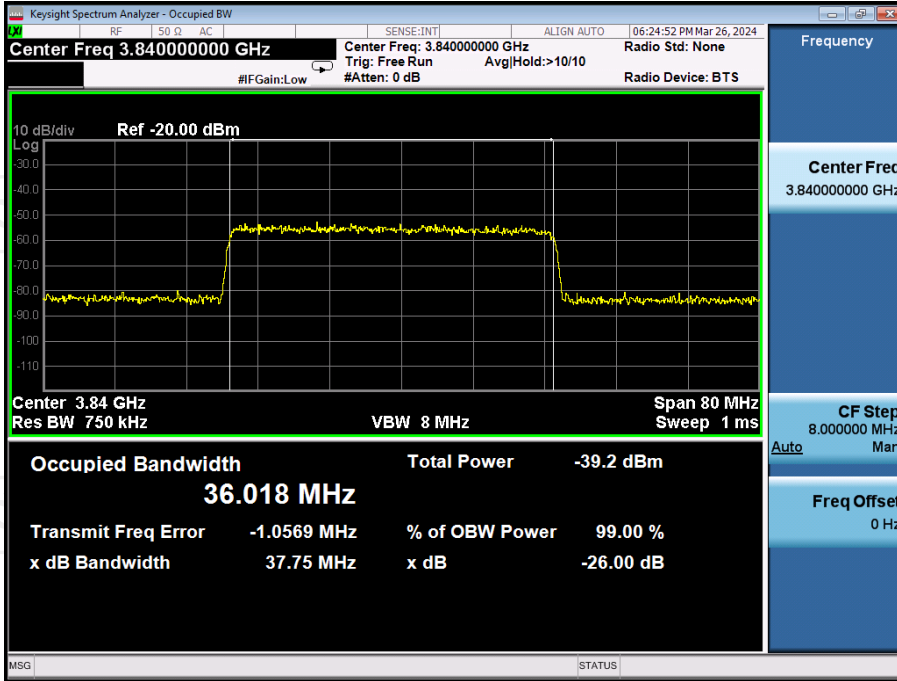
Output 5G NR 20MHz DL @Pre AGC



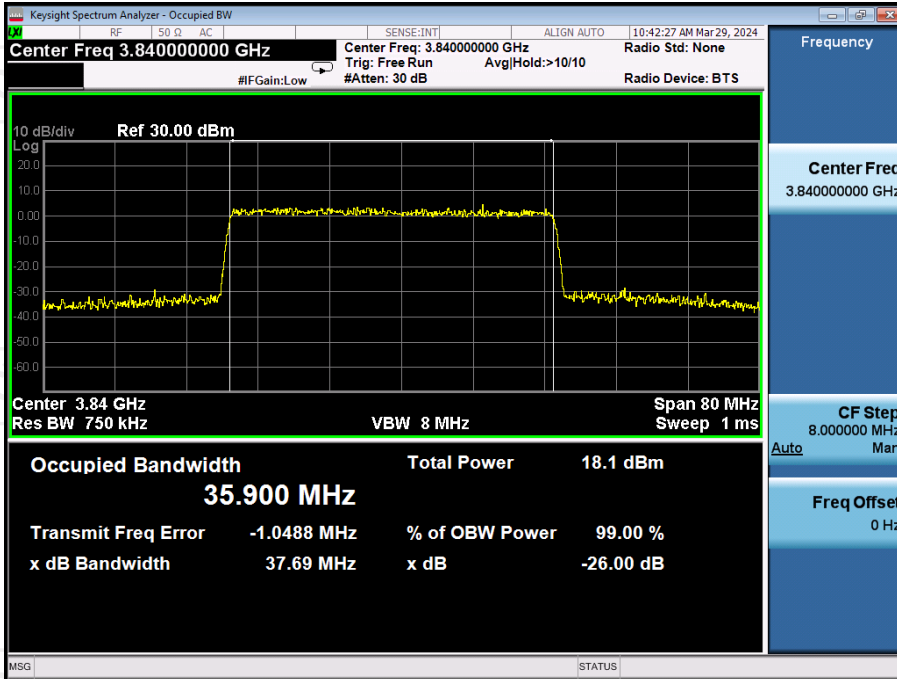
Output 5G NR 20MHz DL @AGC + 3dB



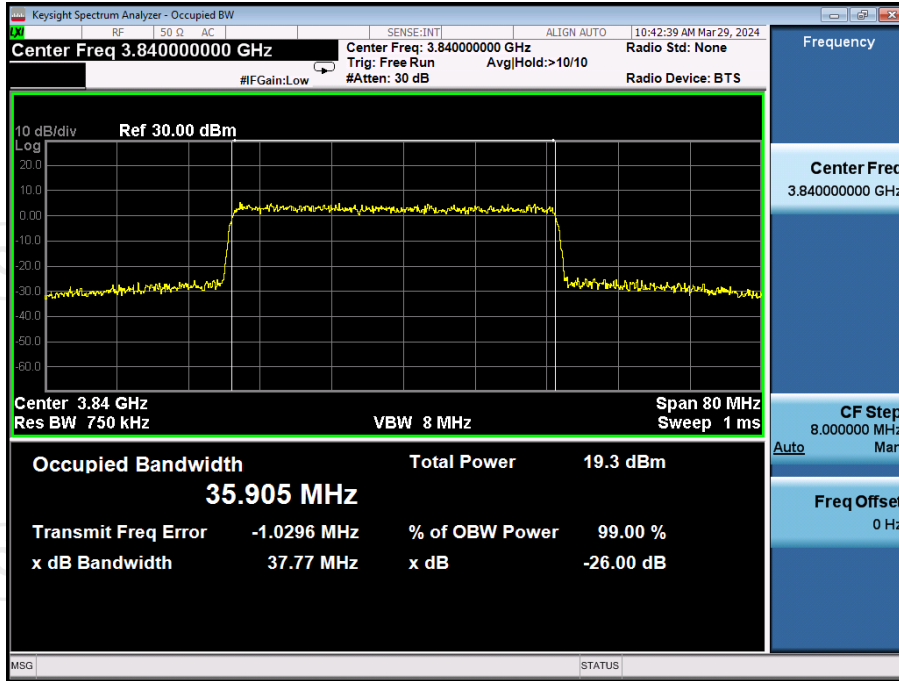
Input 5G NR 40MHz UL



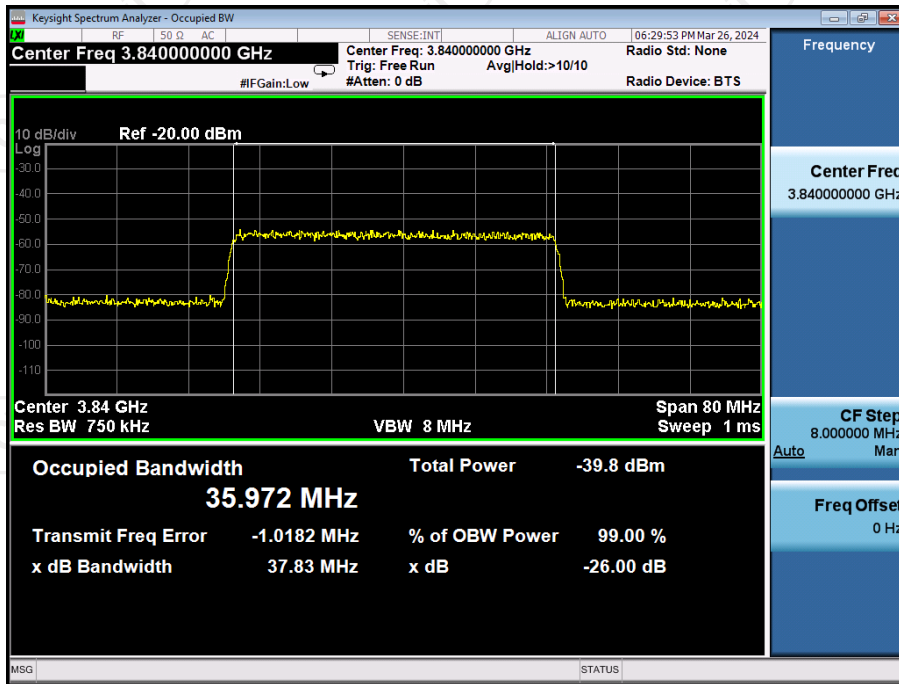
Output 5G NR 40MHz UL @Pre AGC



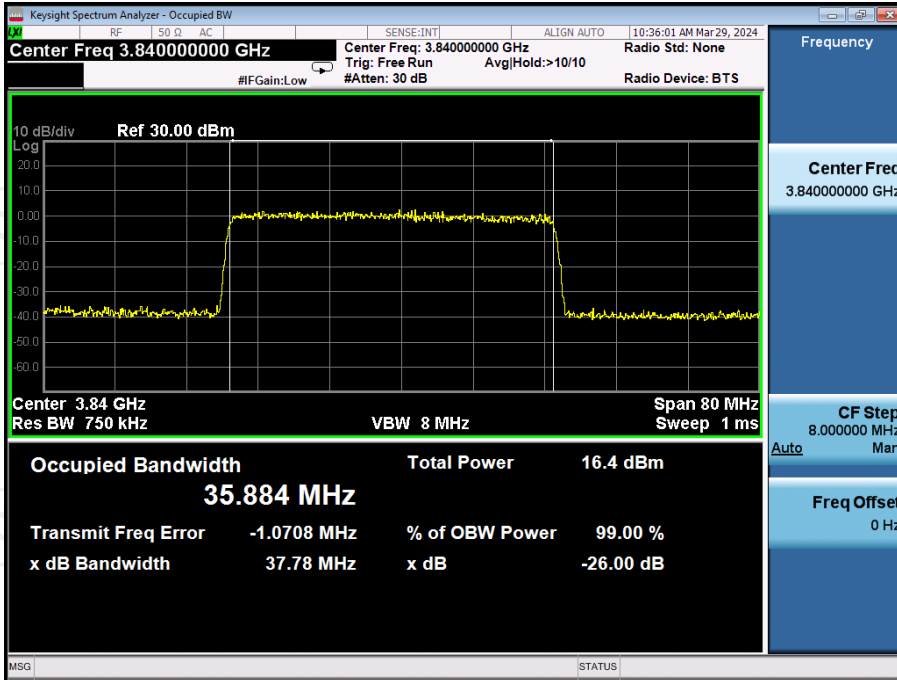
Output 5G NR 40MHz UL @AGC + 3dB



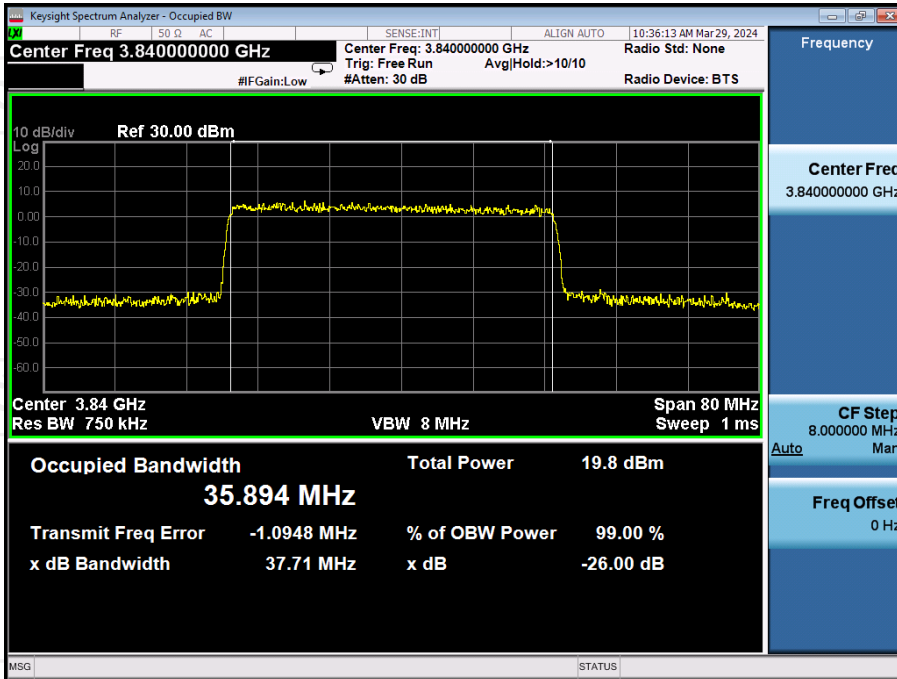
Input 5G NR 40MHz DL



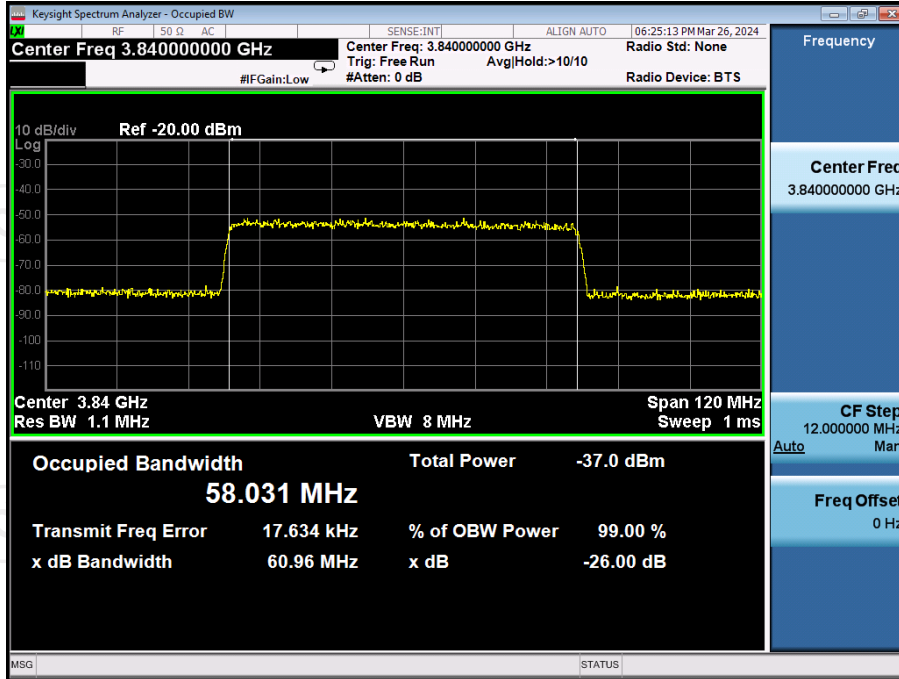
Output 5G NR 40MHz DL @Pre AGC



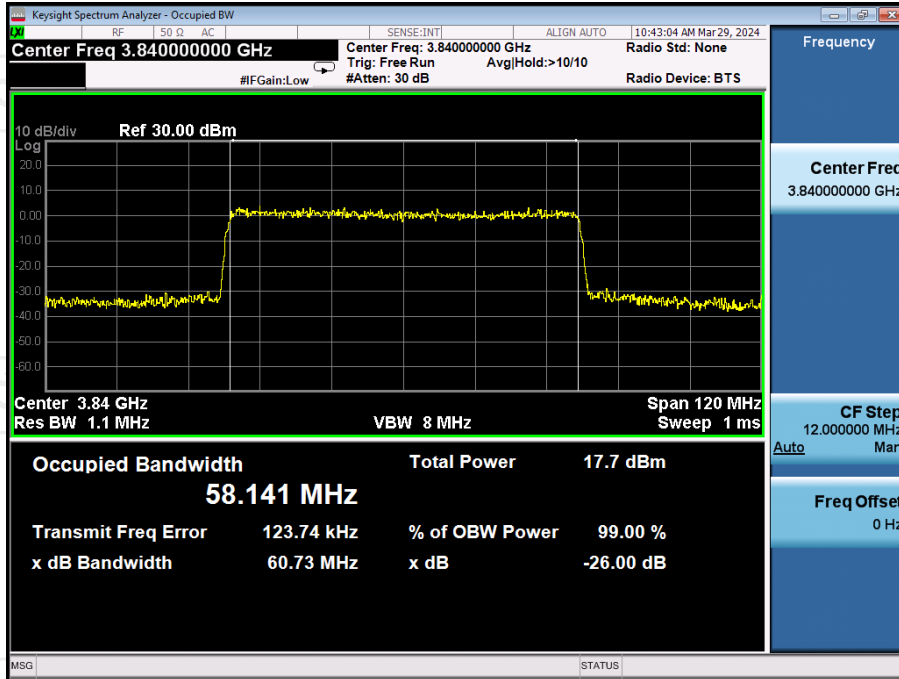
Output 5G NR 40MHz DL @AGC + 3dB



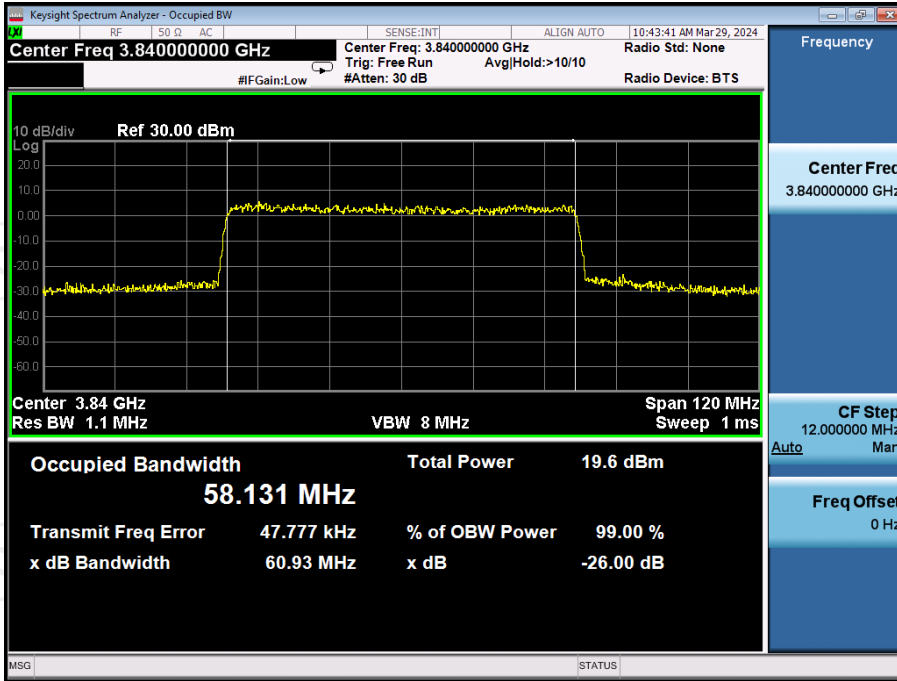
Input 5G NR 60MHz UL



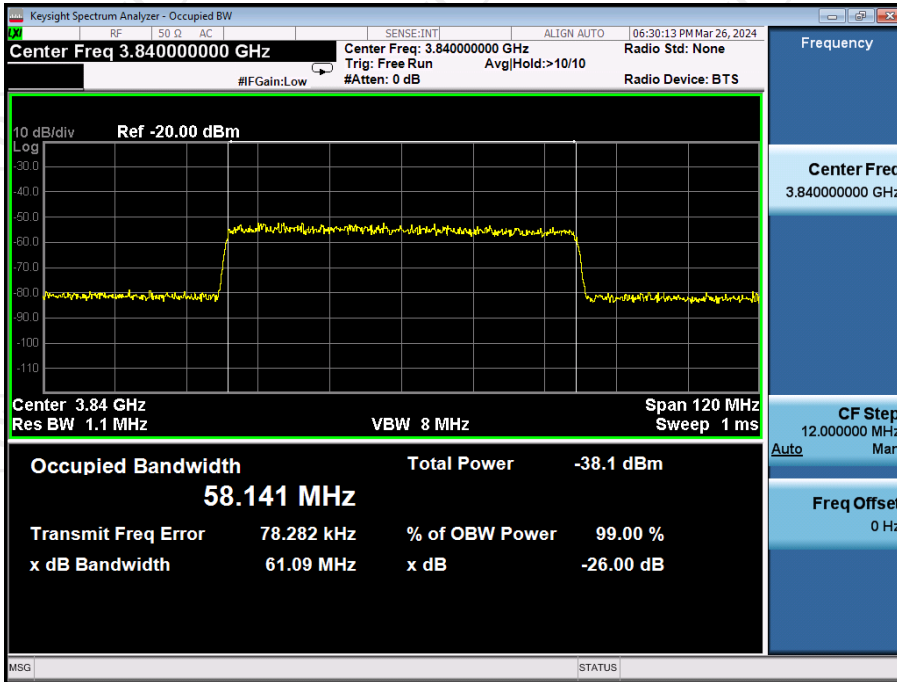
Output 5G NR 60MHz UL @Pre AGC



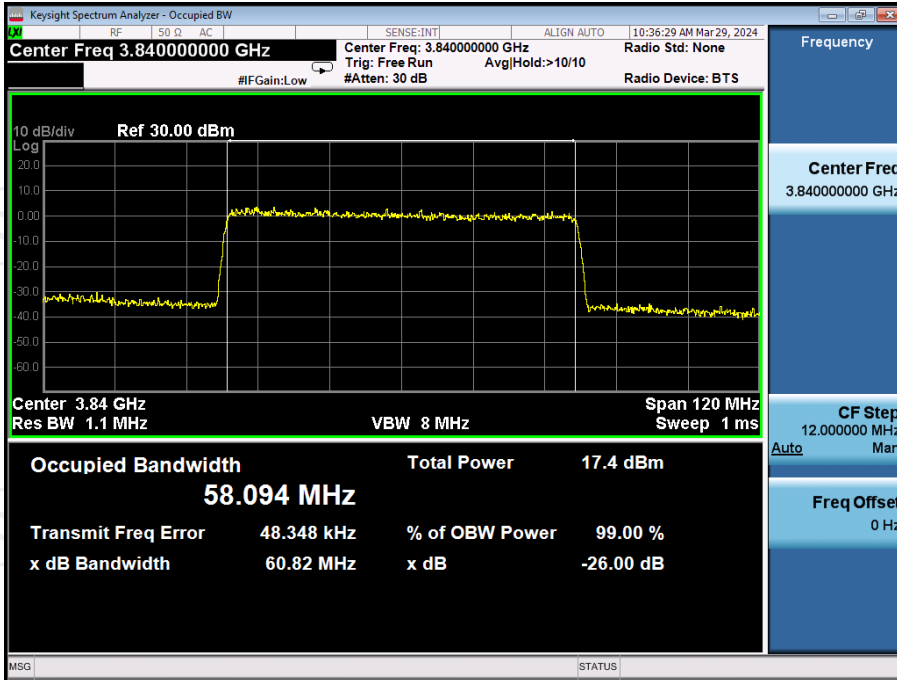
Output 5G NR 60MHz UL @AGC + 3dB



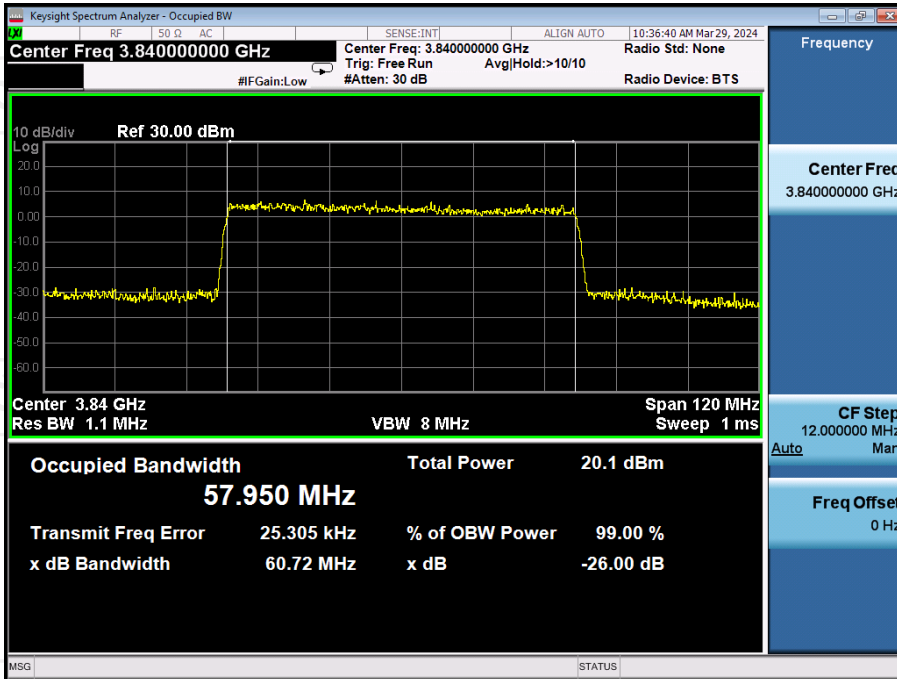
Input 5G NR 60MHz DL



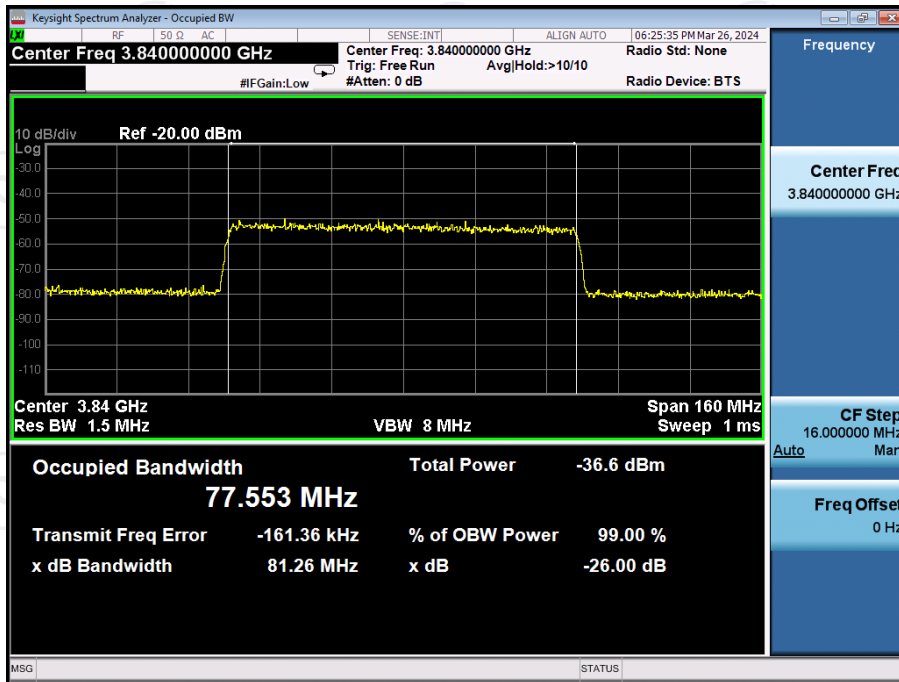
Output 5G NR 60MHz DL @Pre AGC



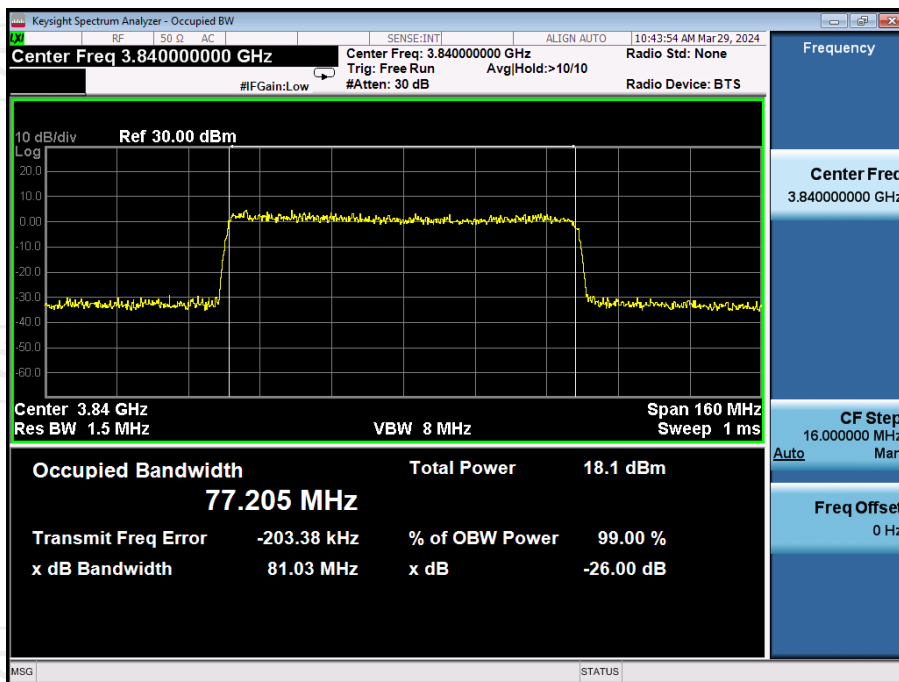
Output 5G NR 60MHz DL @AGC + 3dB



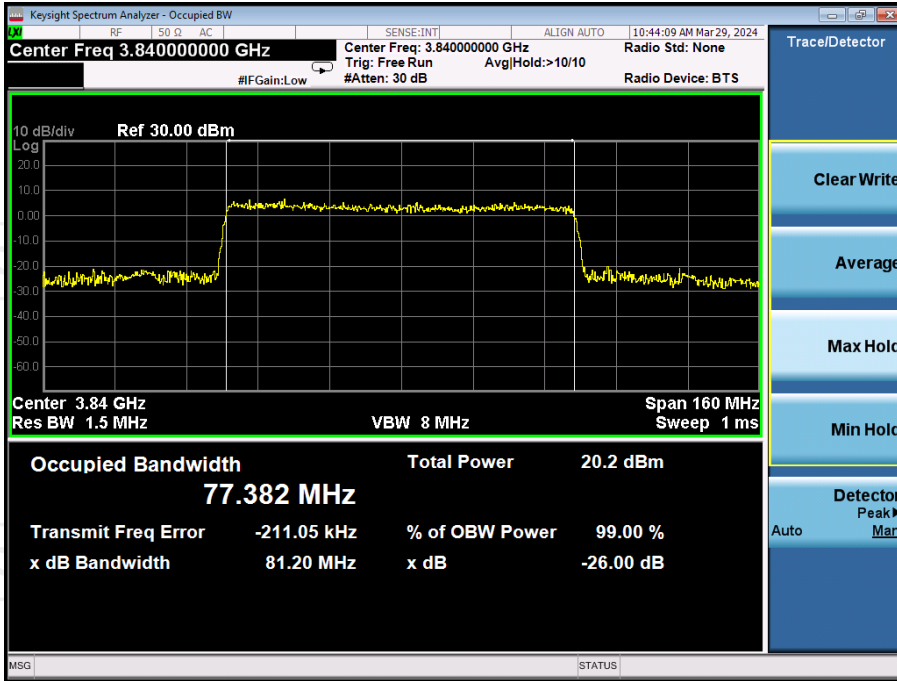
Input 5G NR 80MHz UL



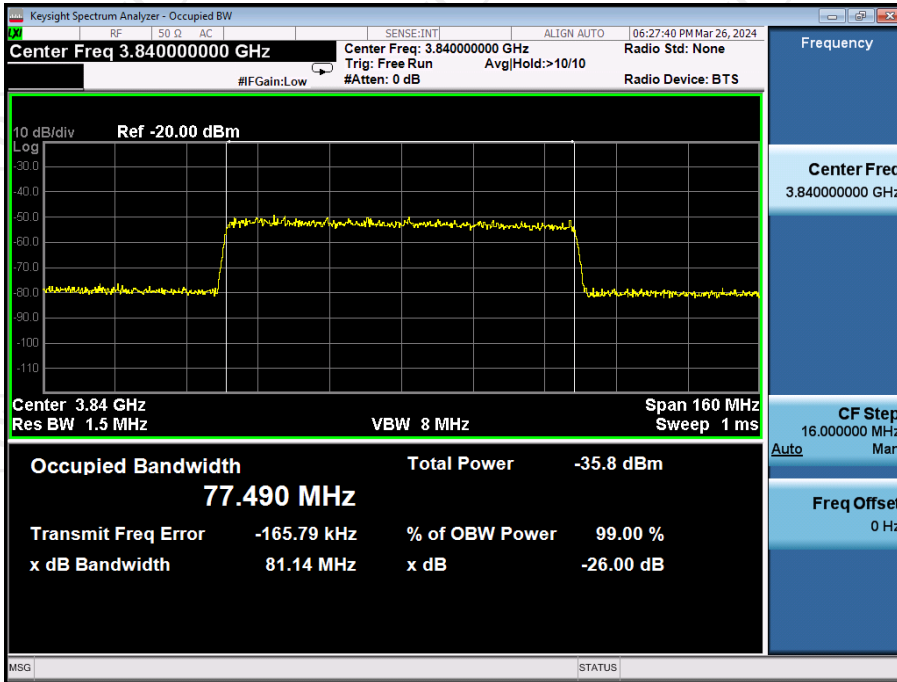
Output 5G NR 80MHz UL @Pre AGC



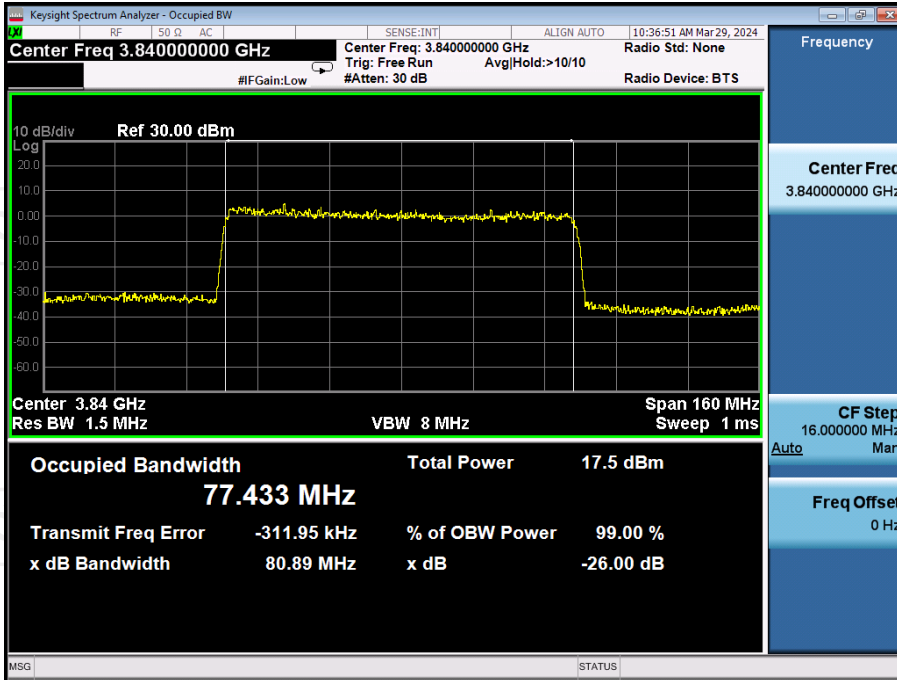
Output 5G NR 80MHz UL @AGC + 3dB



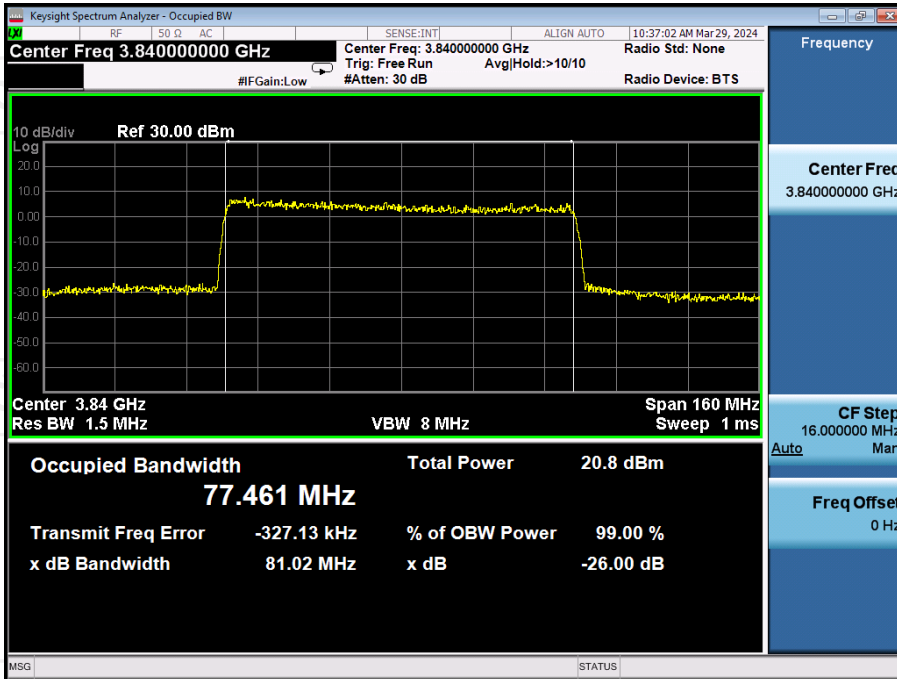
Input 5G NR 80MHz DL



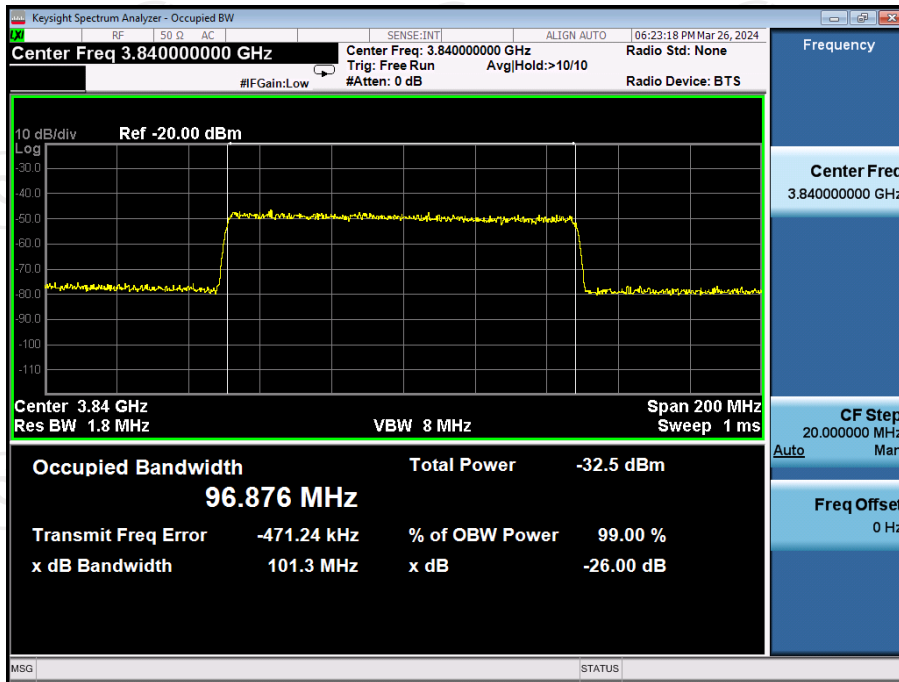
Output 5G NR 80MHz DL @Pre AGC



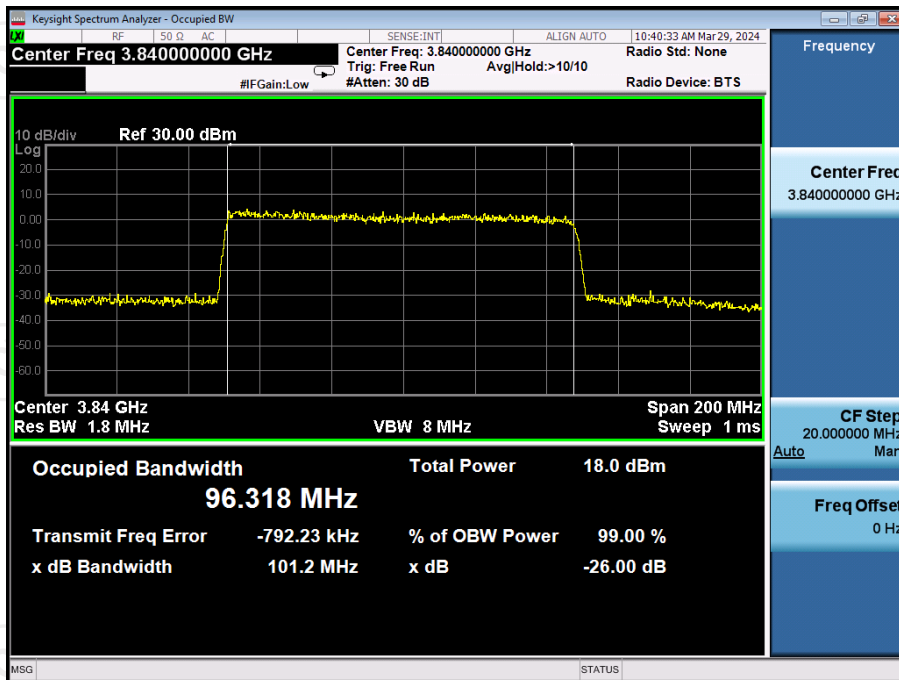
Output 5G NR 80MHz DL @AGC + 3dB



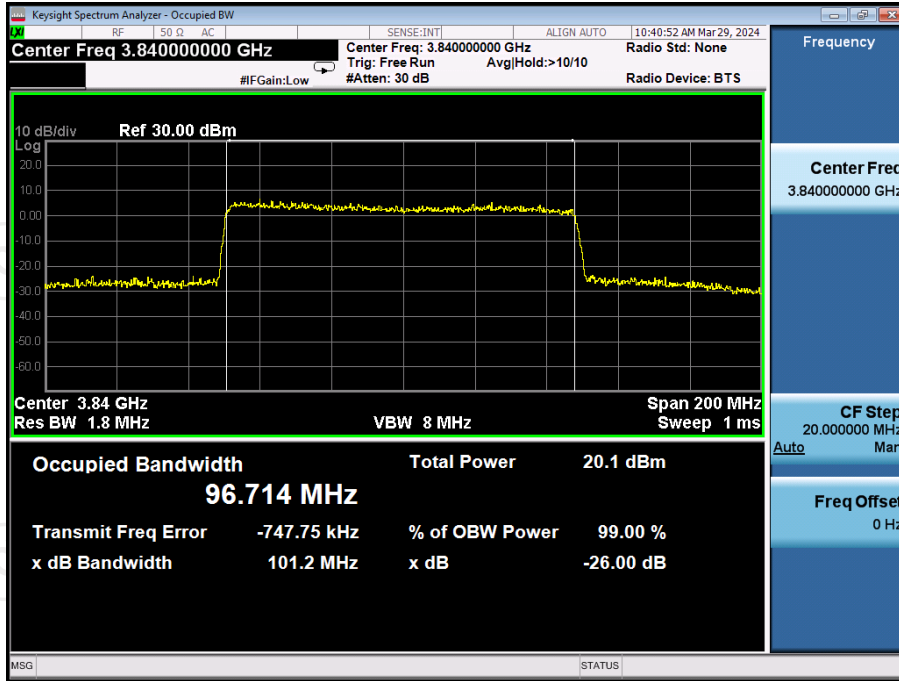
Input 5G NR 100MHz UL



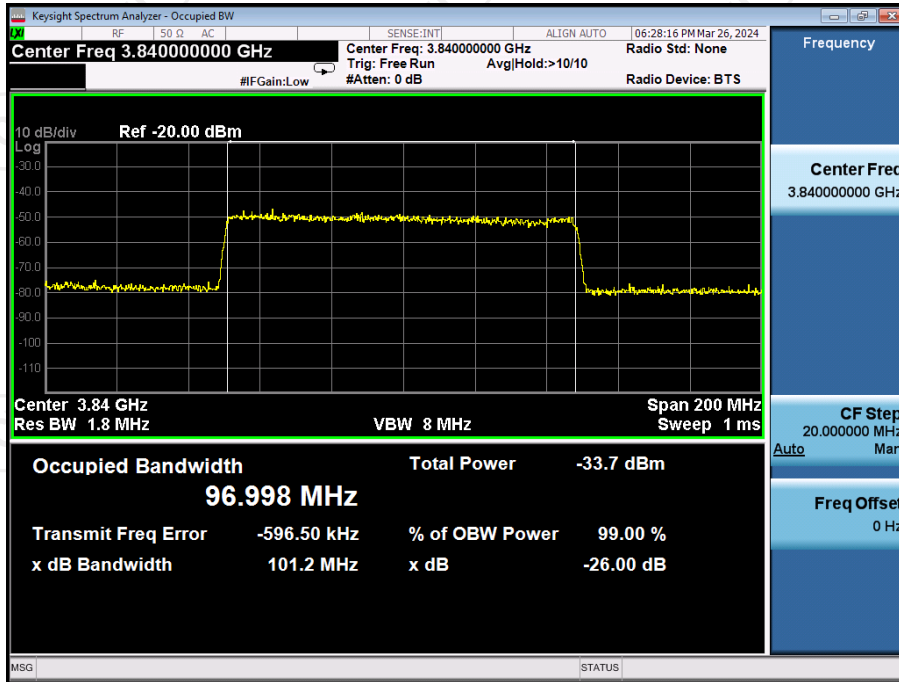
Output 5G NR 100MHz UL @Pre AGC



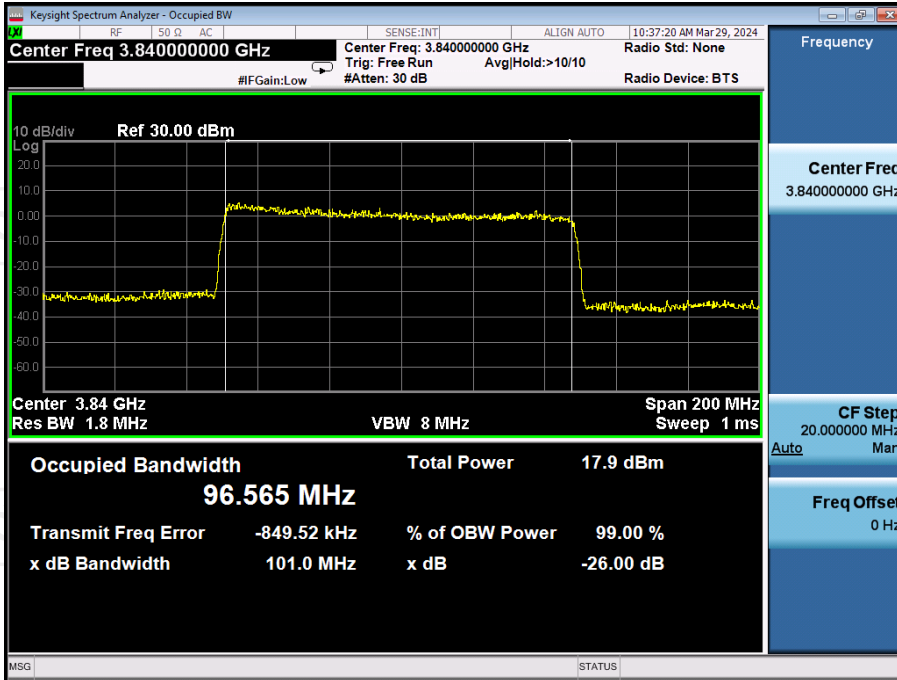
Output 5G NR 100MHz UL @AGC + 3dB



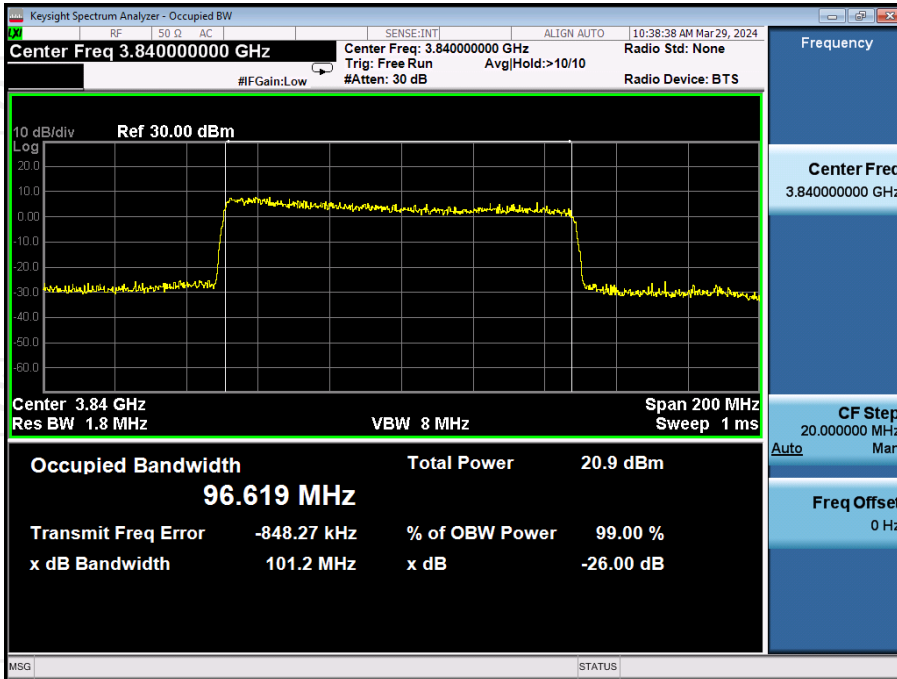
Input 5G NR 100MHz DL



Output 5G NR 100MHz DL @Pre AGC

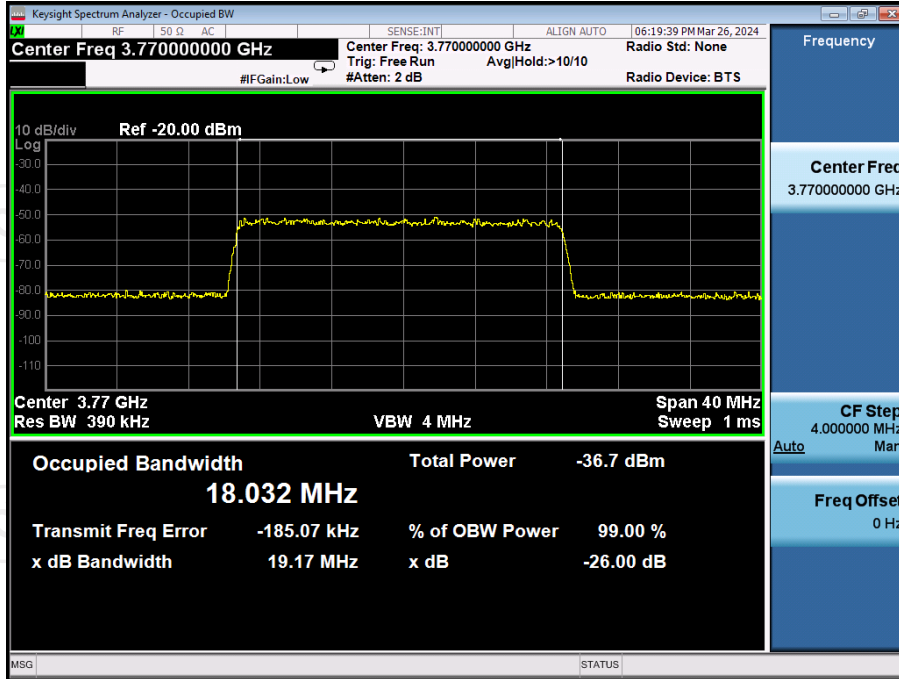


Output 5G NR 100MHz DL @AGC + 3dB

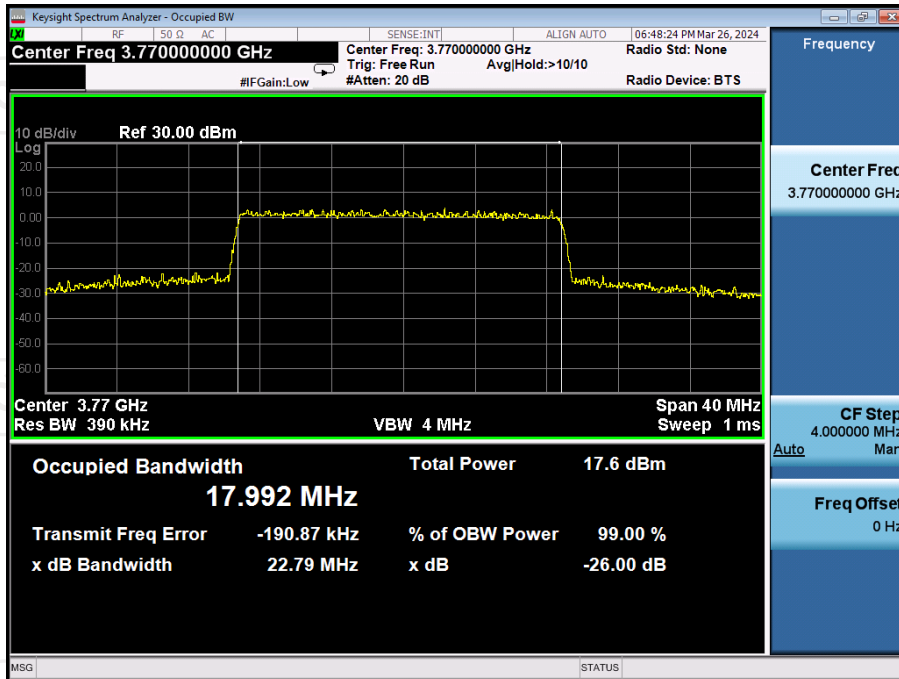


Sub-Band Mode

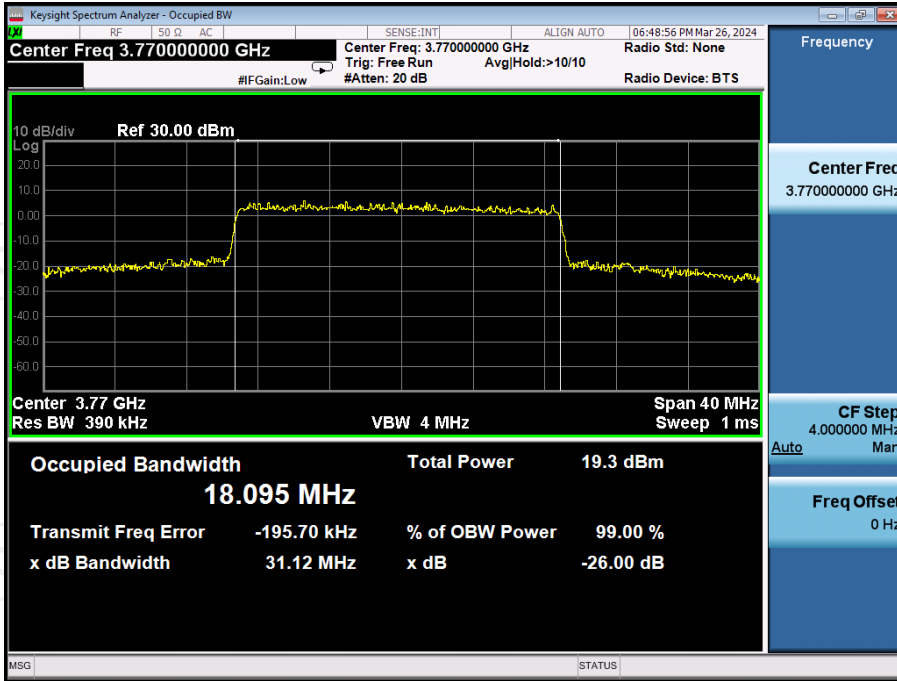
Input 5G NR 20MHz UL



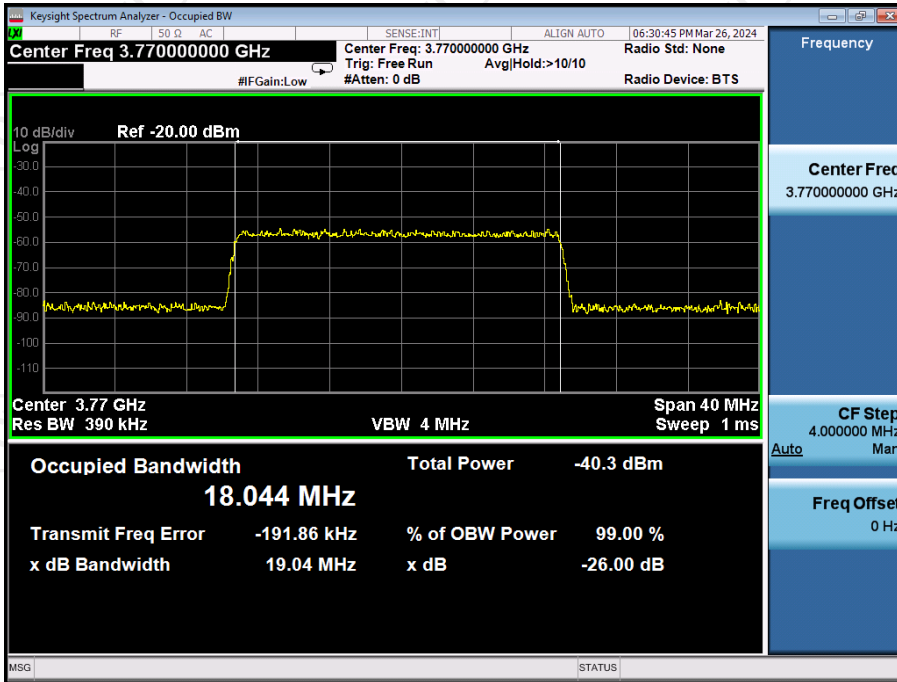
Output 5G NR 20MHz UL @Pre AGC



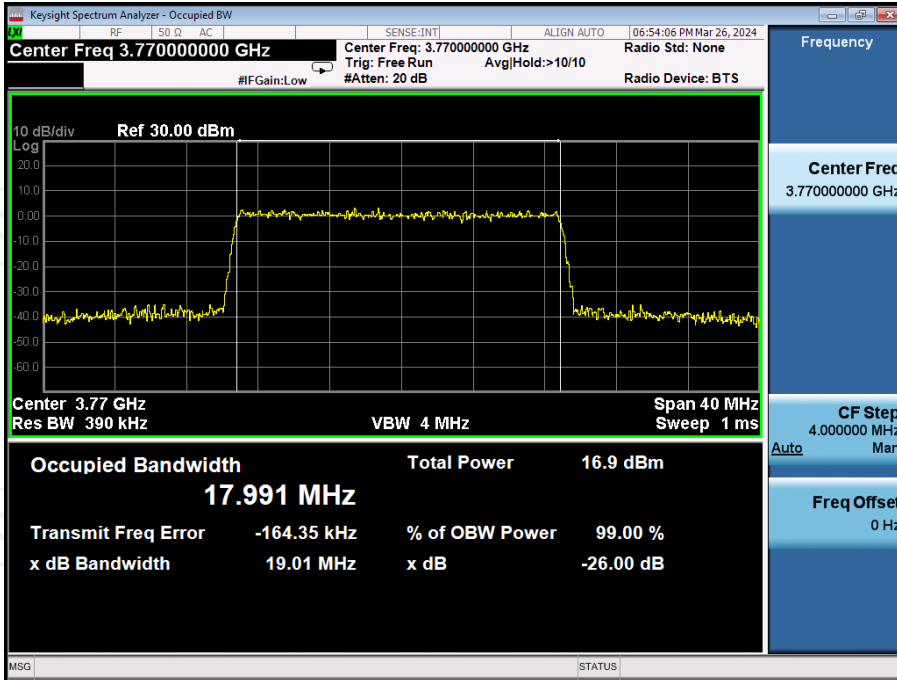
Output 5G NR 20MHz UL @AGC + 3dB



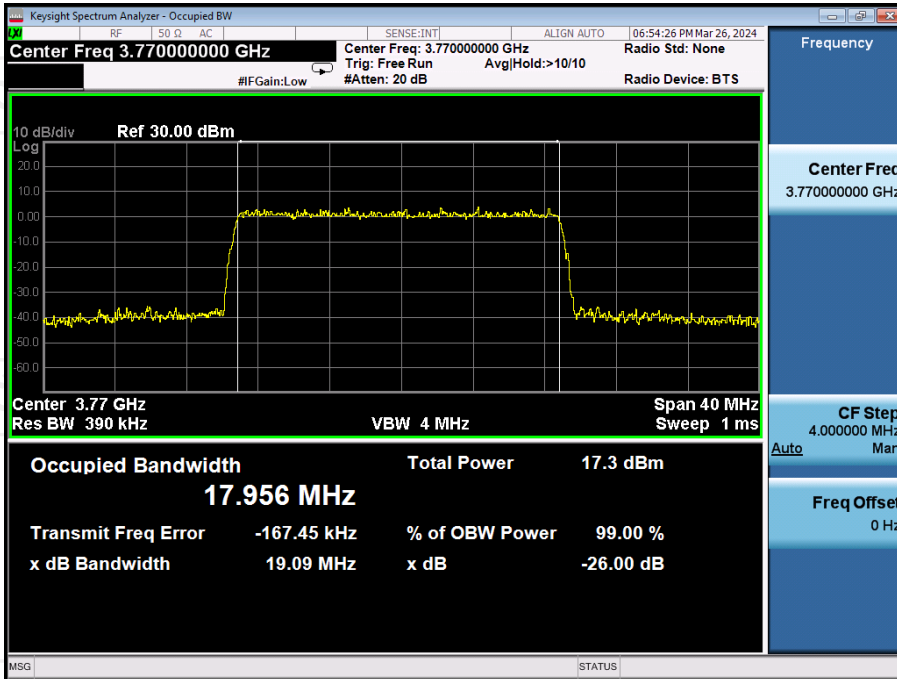
Input 5G NR 20MHz DL



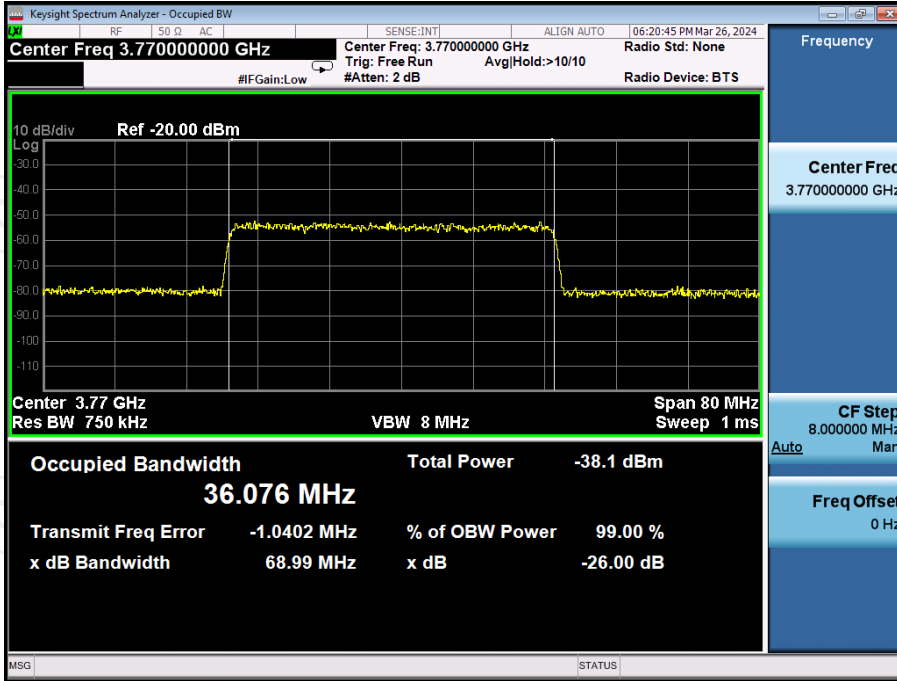
Output 5G NR 20MHz DL @Pre AGC



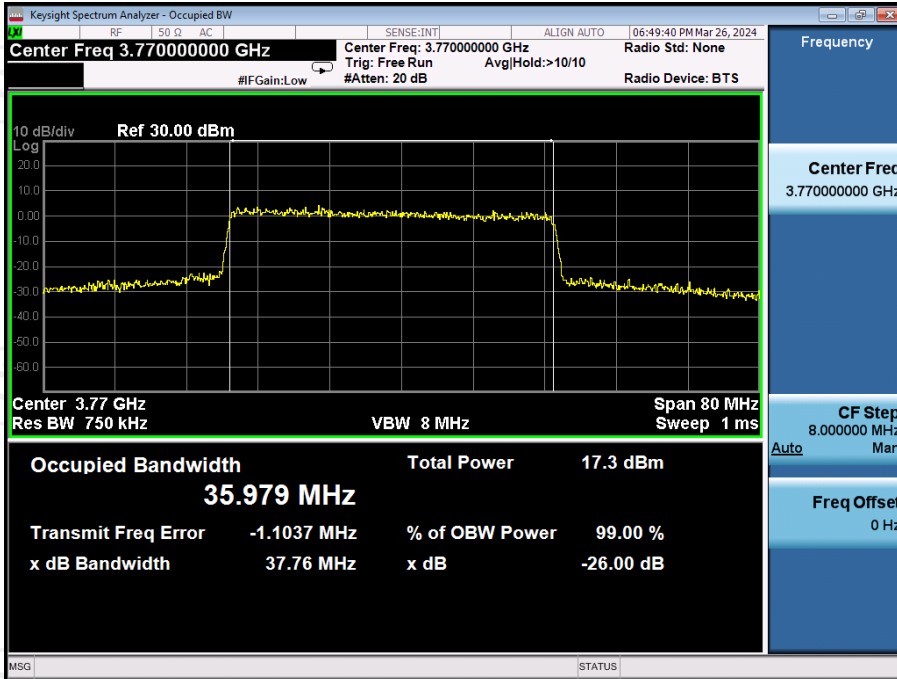
Output 5G NR 20MHz DL @AGC + 3dB



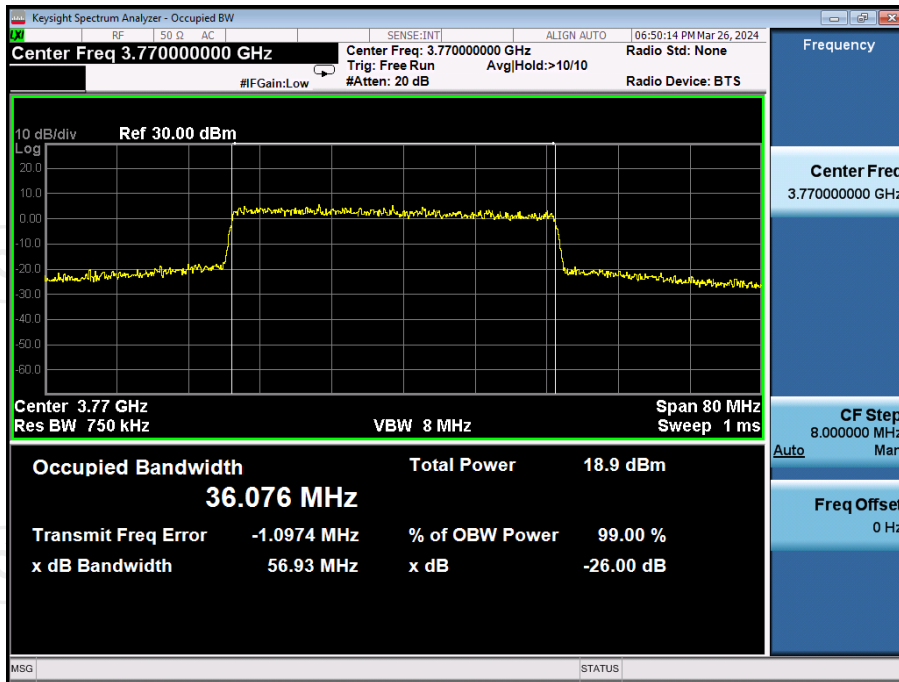
Input 5G NR 40MHz UL



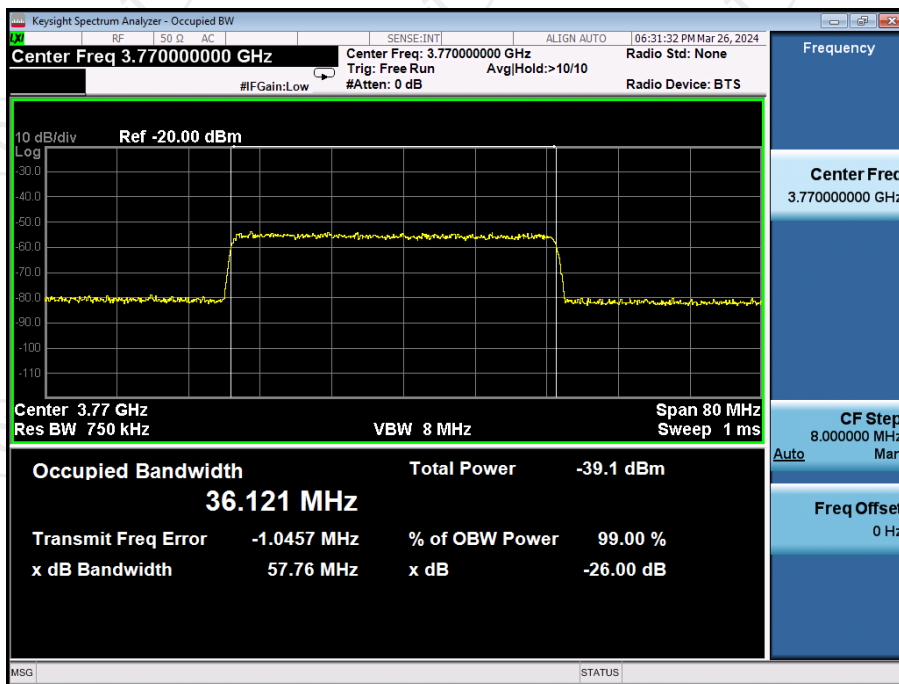
Output 5G NR 40MHz UL @Pre AGC



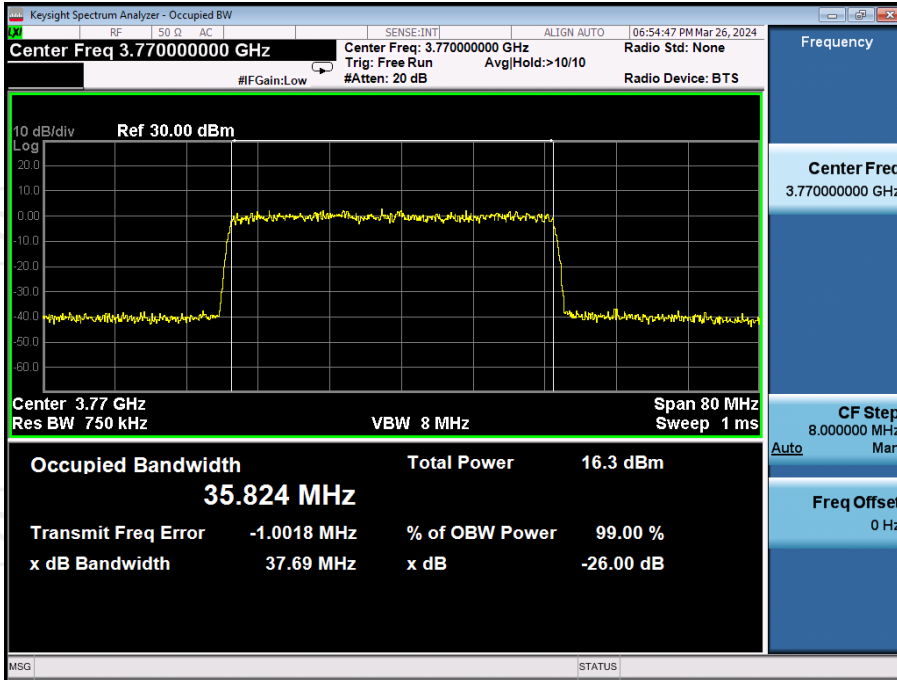
Output 5G NR 40MHz UL @AGC + 3dB



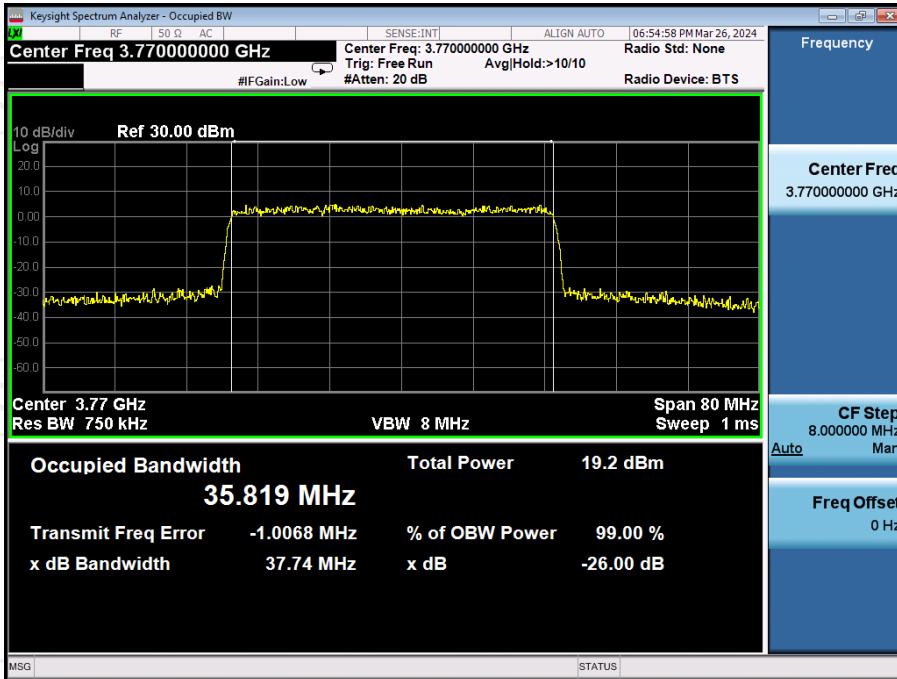
Input 5G NR 40MHz DL



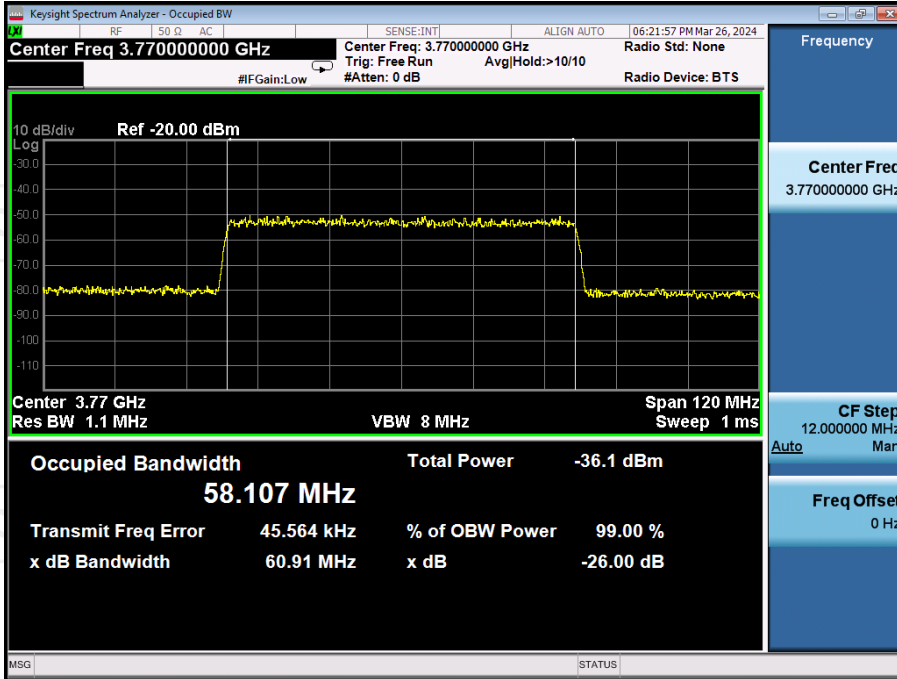
Output 5G NR 40MHz DL @Pre AGC



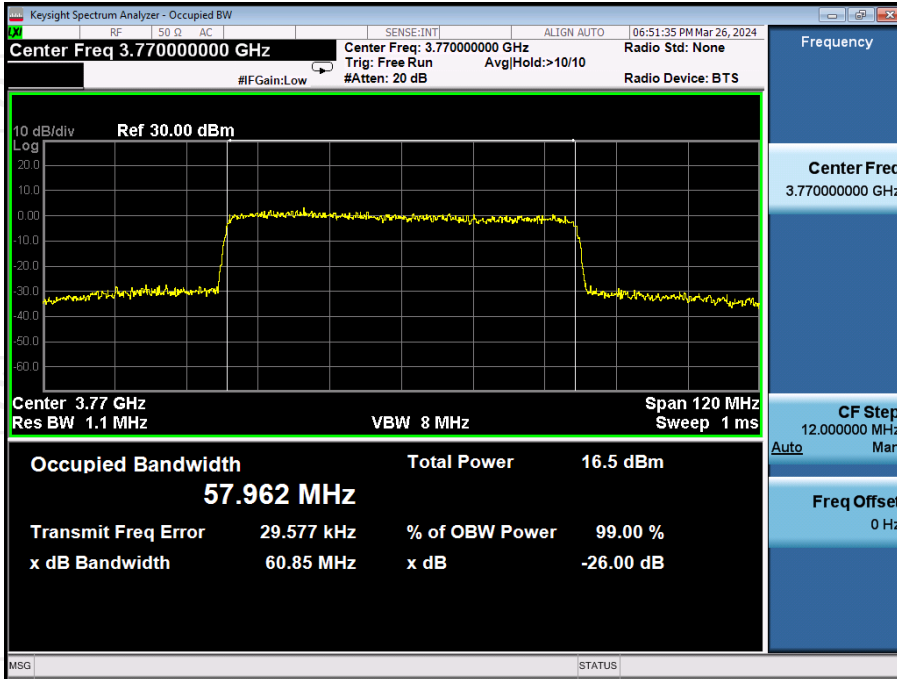
Output 5G NR 40MHz DL @AGC + 3dB



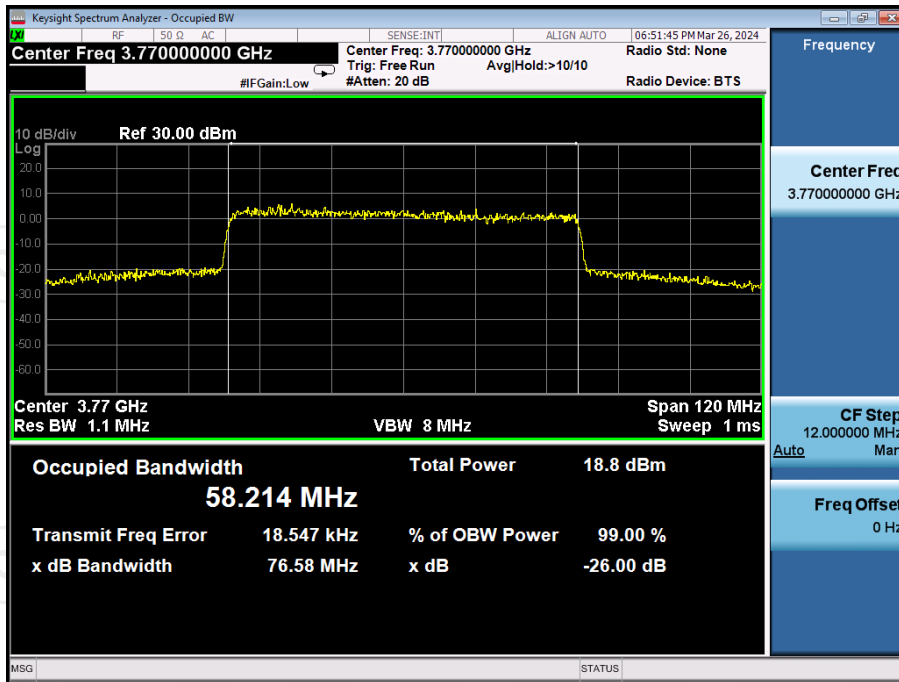
Input 5G NR 60MHz UL



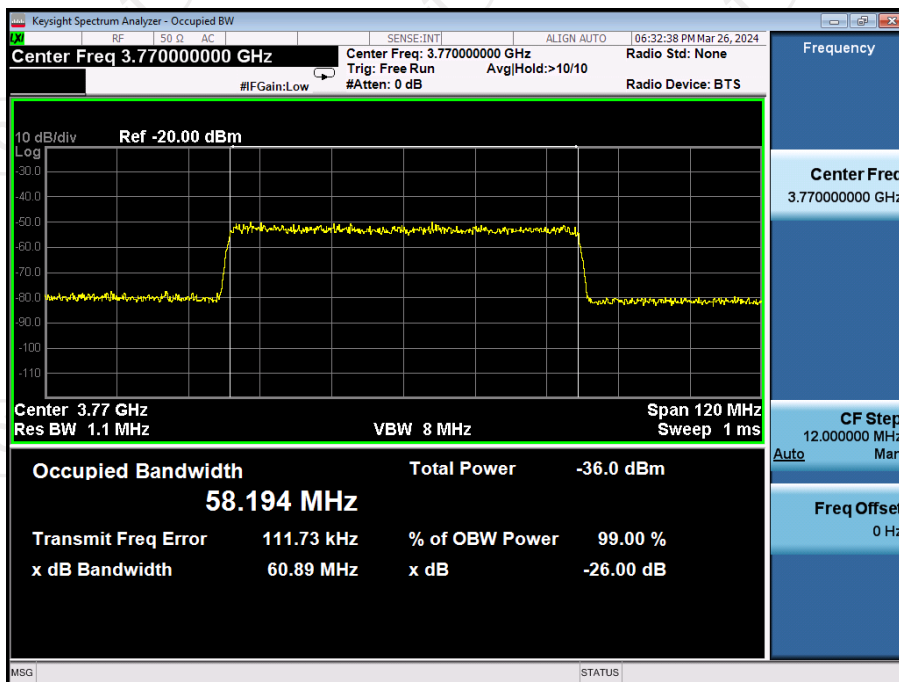
Output 5G NR 60MHz UL @Pre AGC



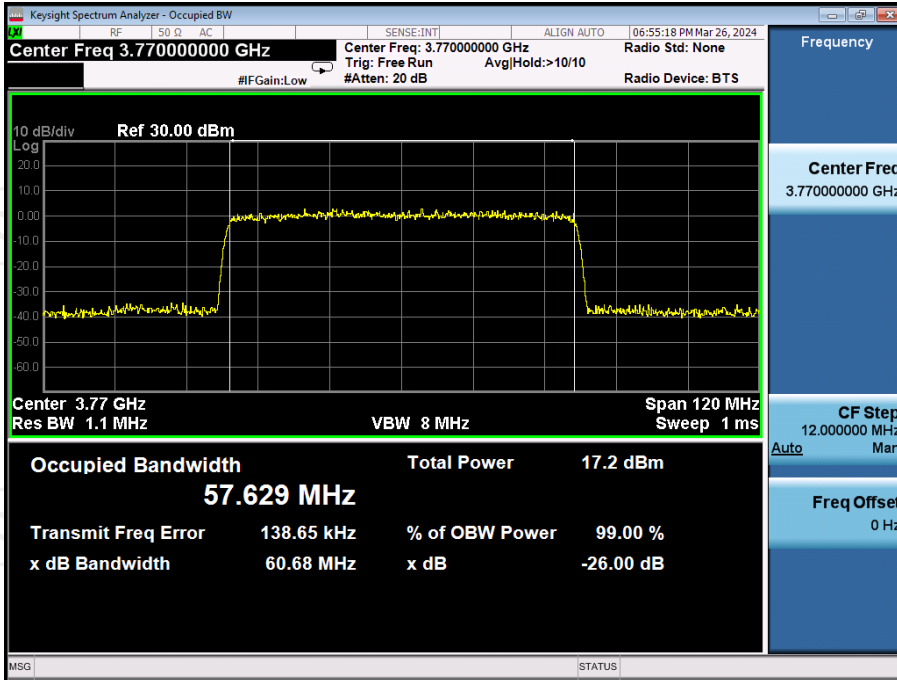
Output 5G NR 60MHz UL @AGC + 3dB



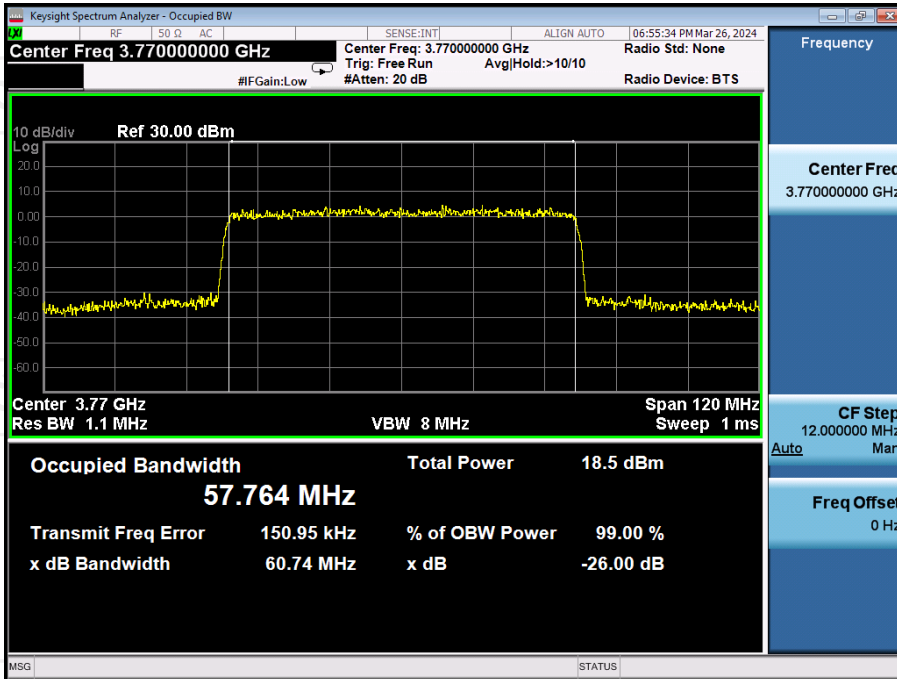
Input 5G NR 60MHz DL



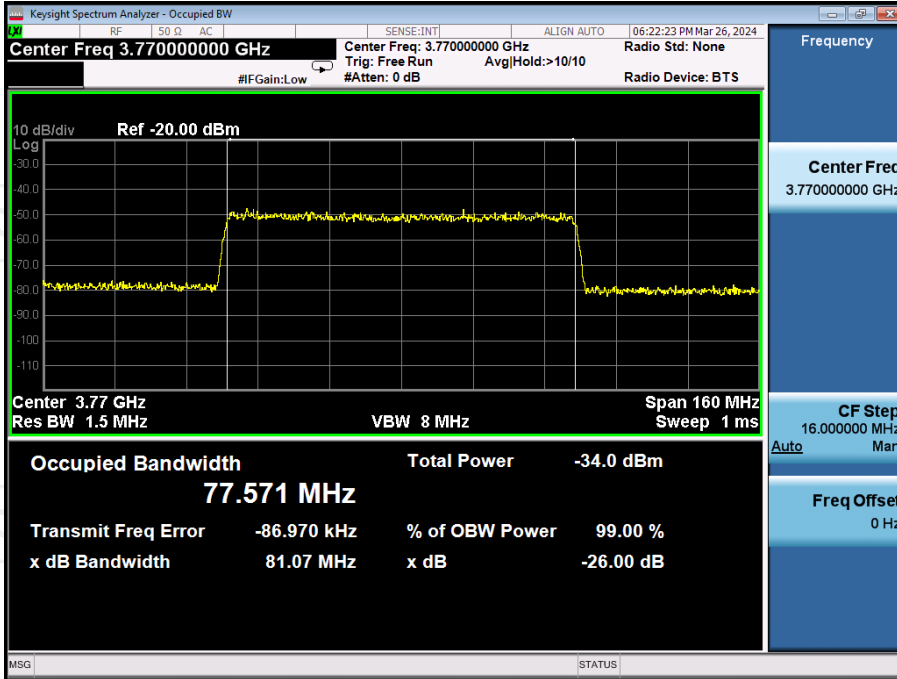
Output 5G NR 60MHz DL @Pre AGC



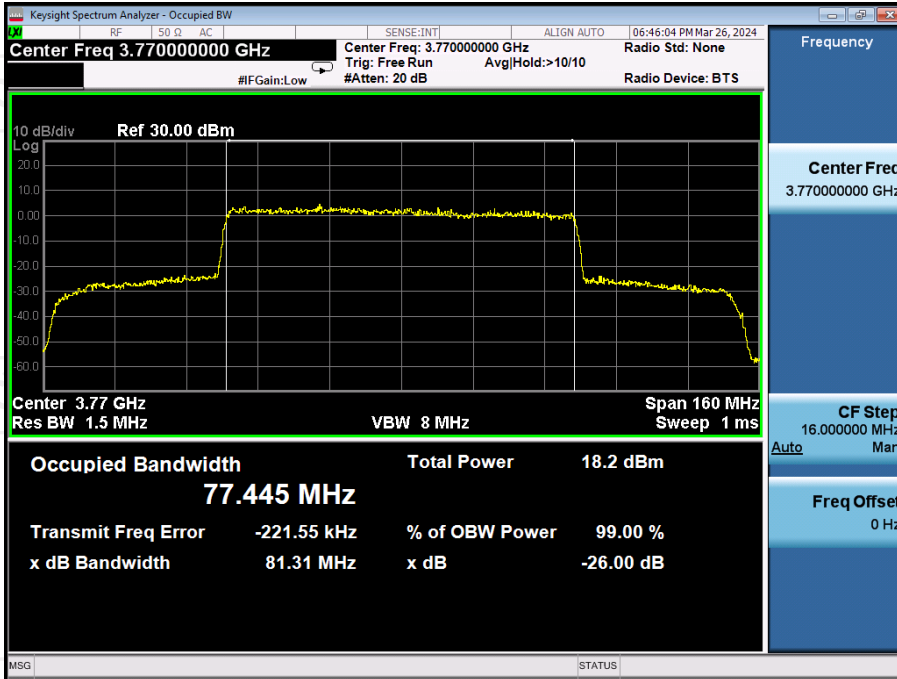
Output 5G NR 60MHz DL @AGC + 3dB



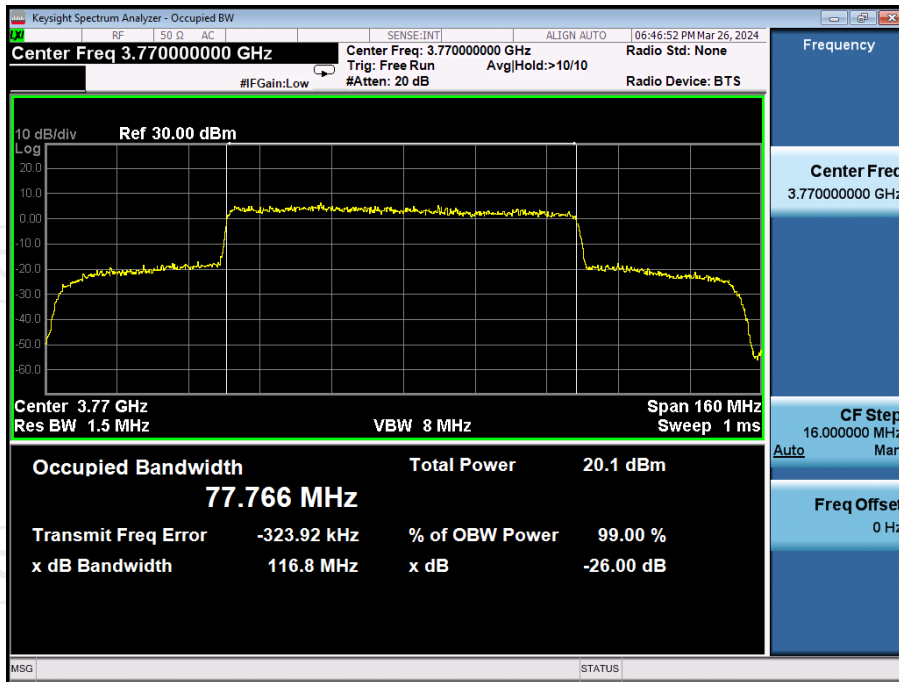
Input 5G NR 80MHz UL



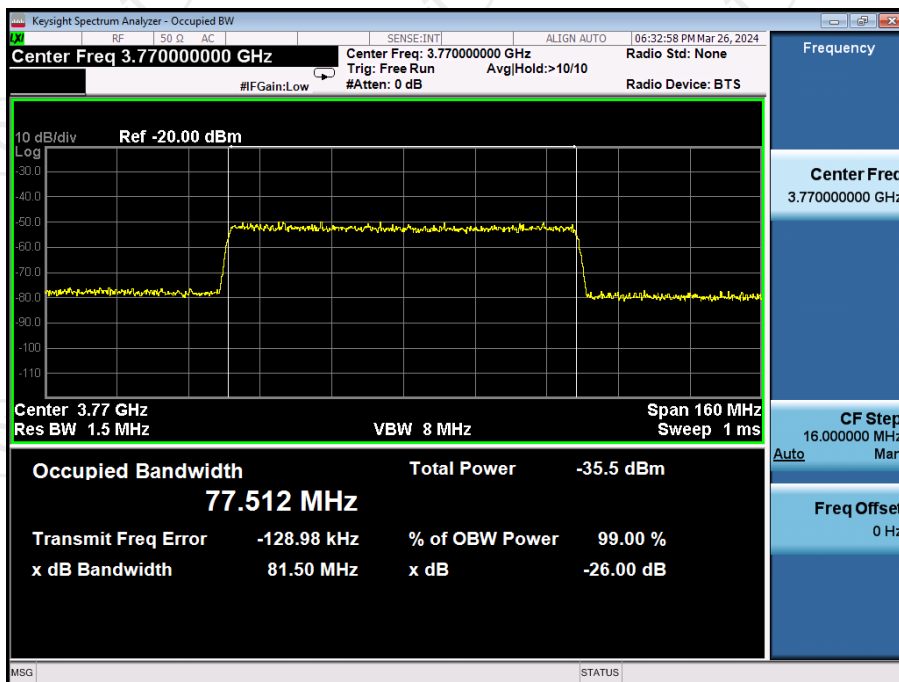
Output 5G NR 80MHz UL @Pre AGC



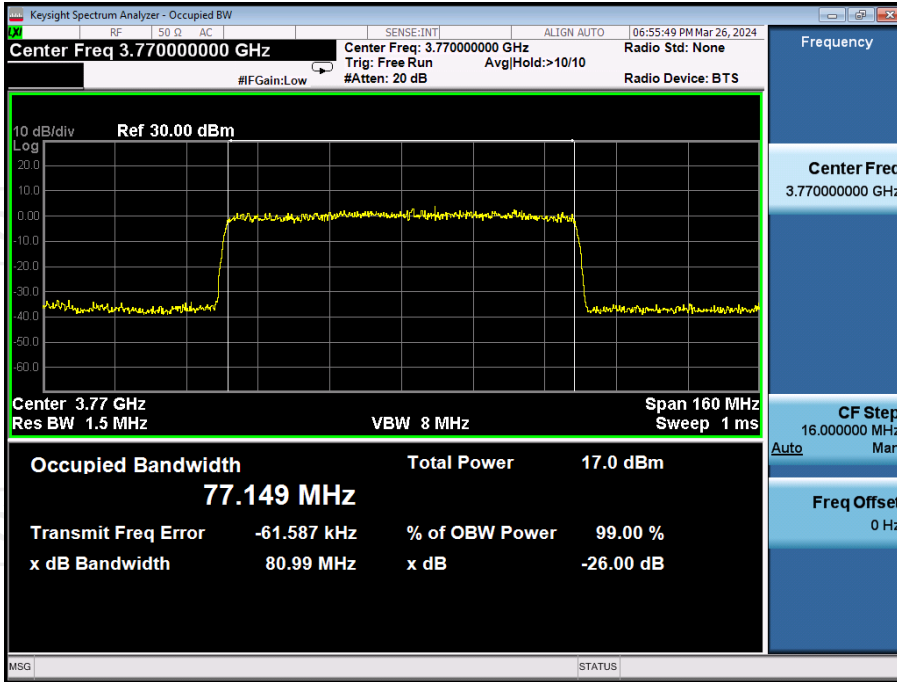
Output 5G NR 80MHz UL @AGC + 3dB



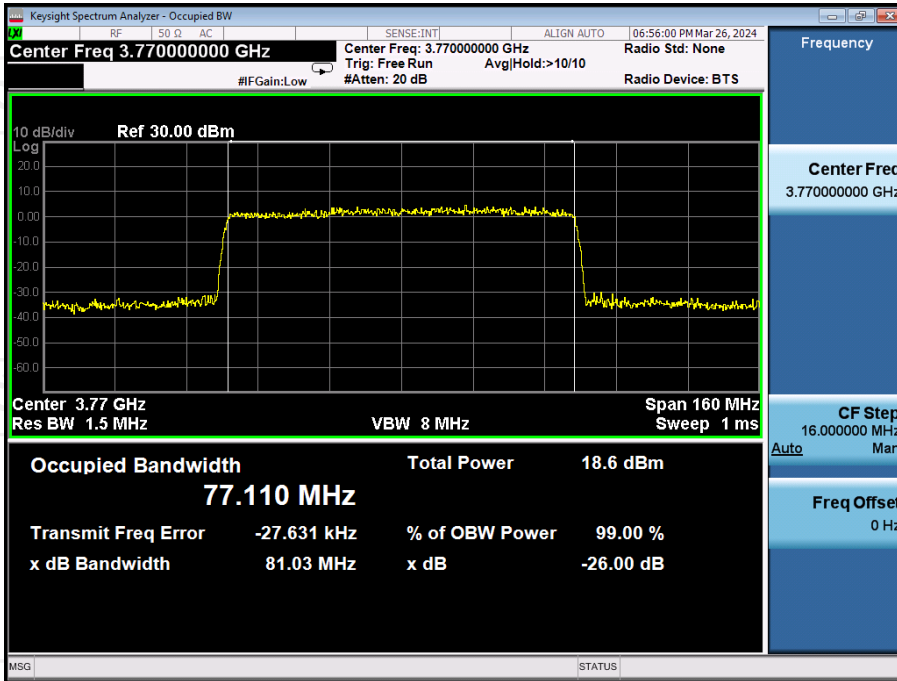
Input 5G NR 80MHz DL



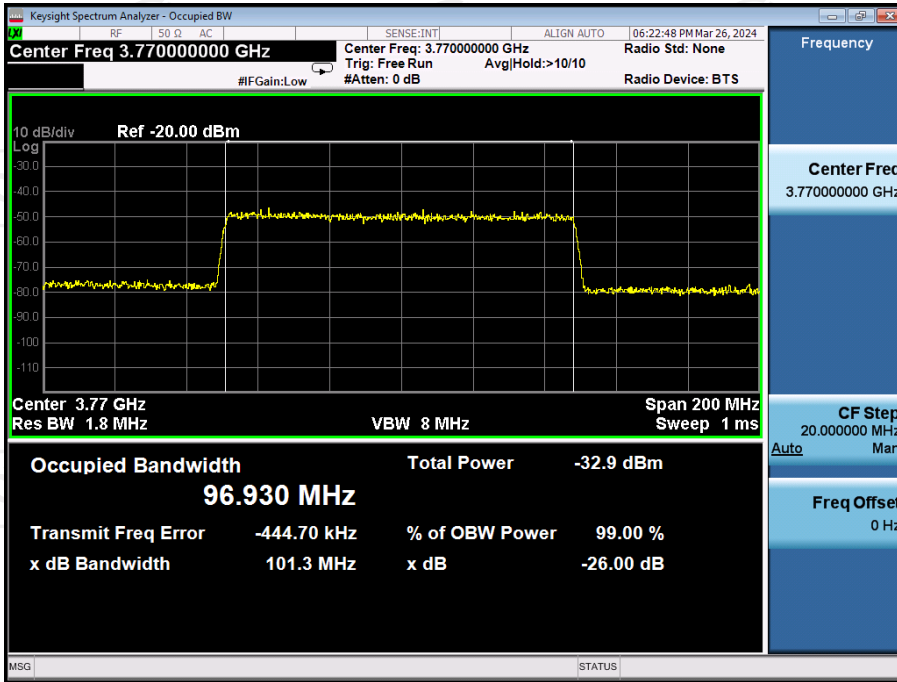
Output 5G NR 80MHz DL @Pre AGC



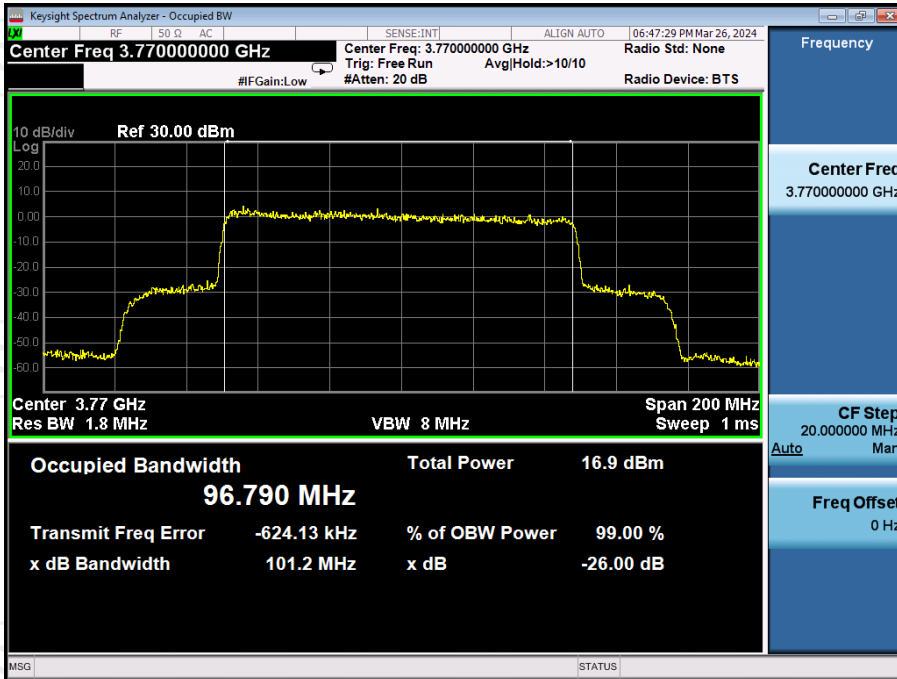
Output 5G NR 80MHz DL @AGC + 3dB



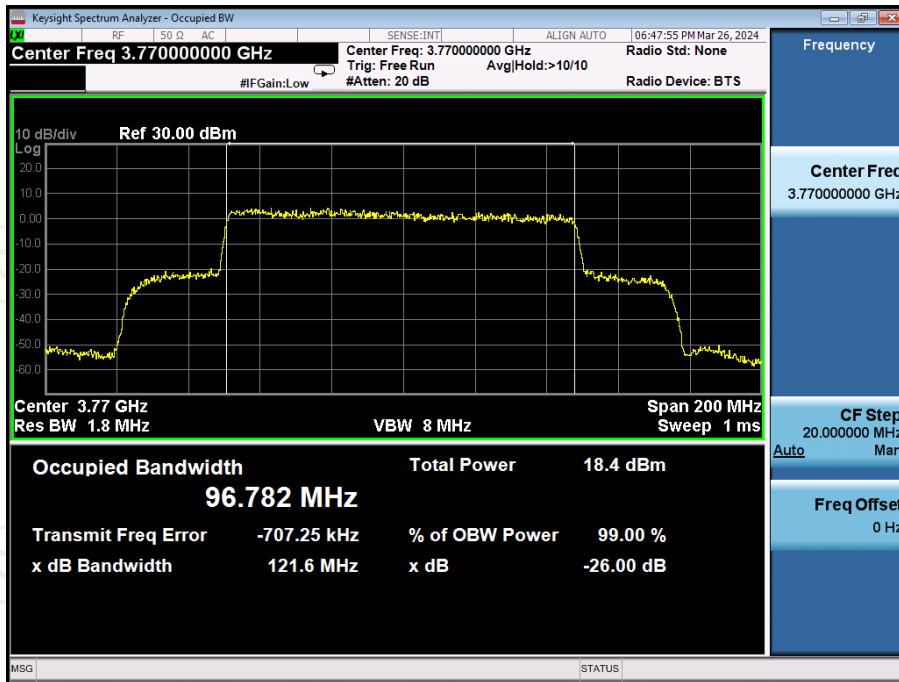
Input 5G NR 100MHz UL



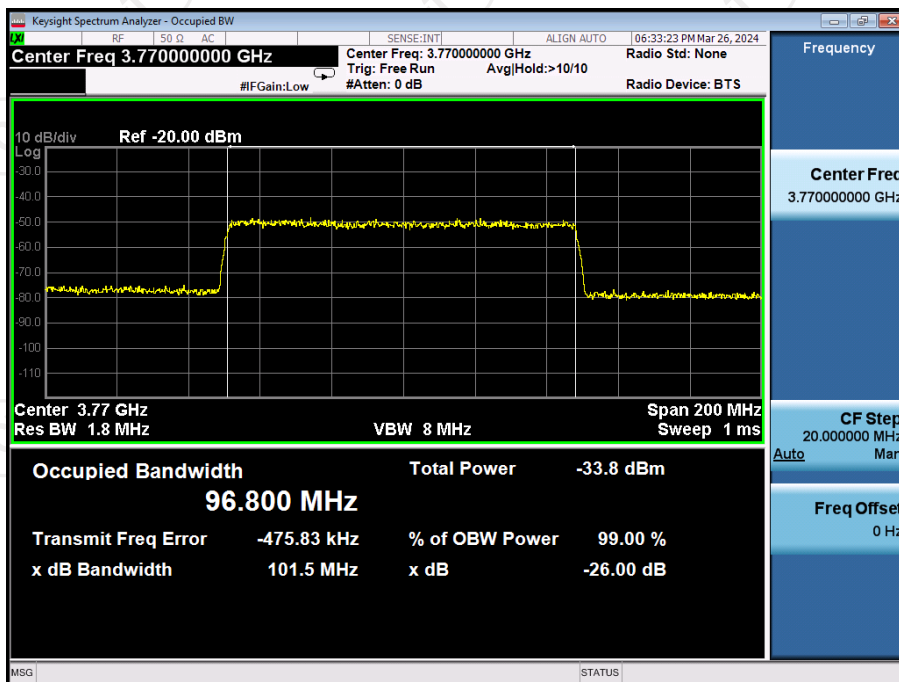
Output 5G NR 100MHz UL @Pre AGC



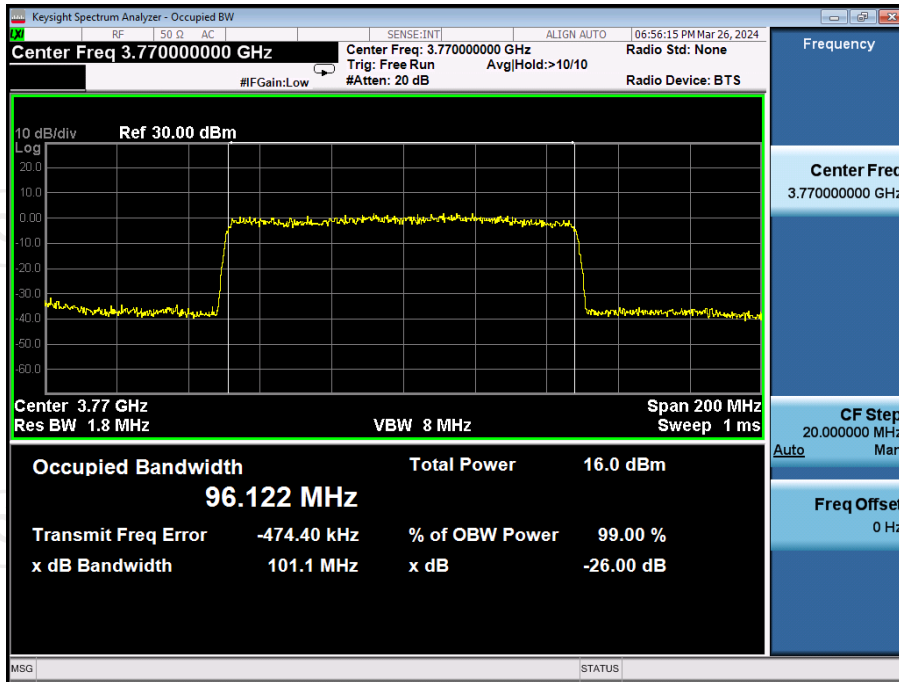
Output 5G NR 100MHz UL @AGC + 3dB



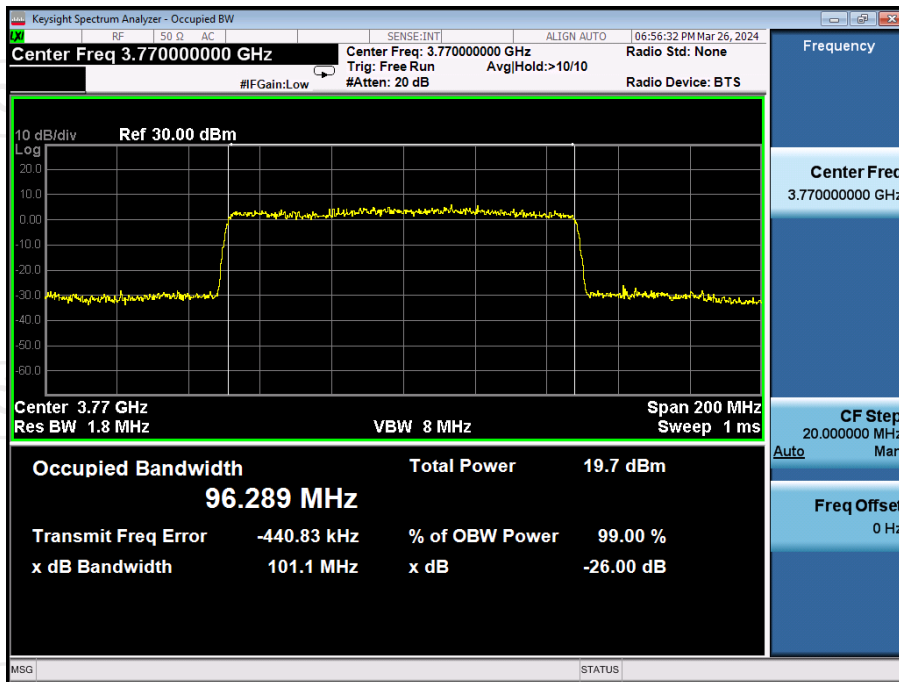
Input 5G NR 100MHz DL



Output 5G NR 100MHz DL @Pre AGC



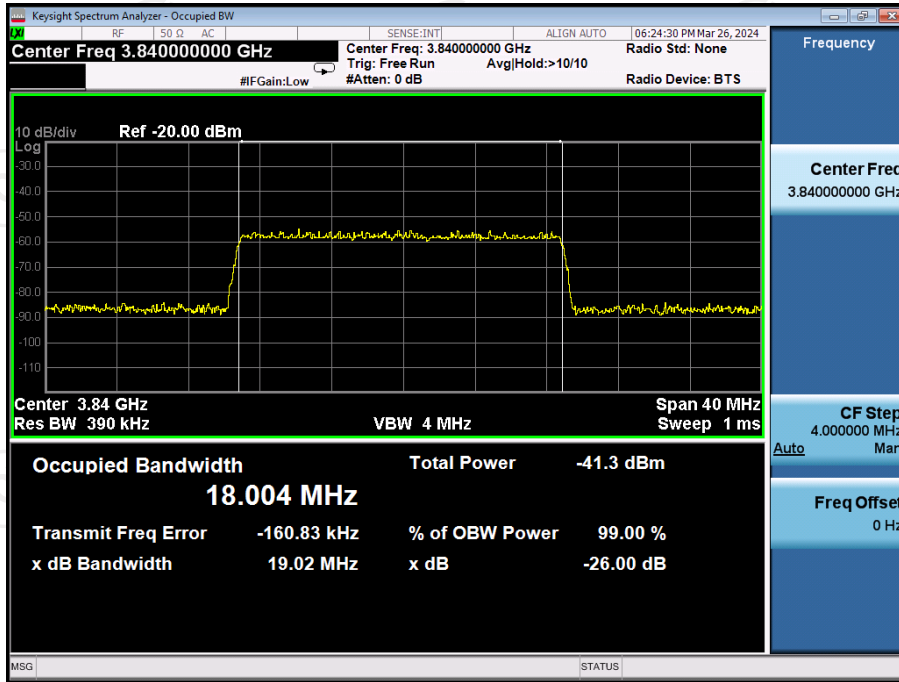
Output 5G NR 100MHz DL @AGC + 3dB



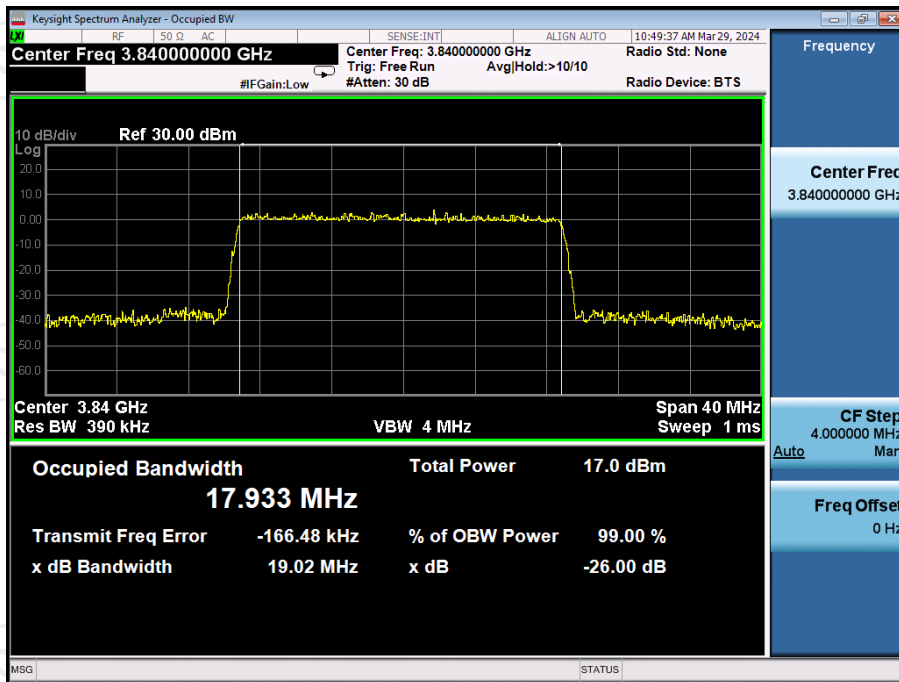
Path 2

Full-Band Mode

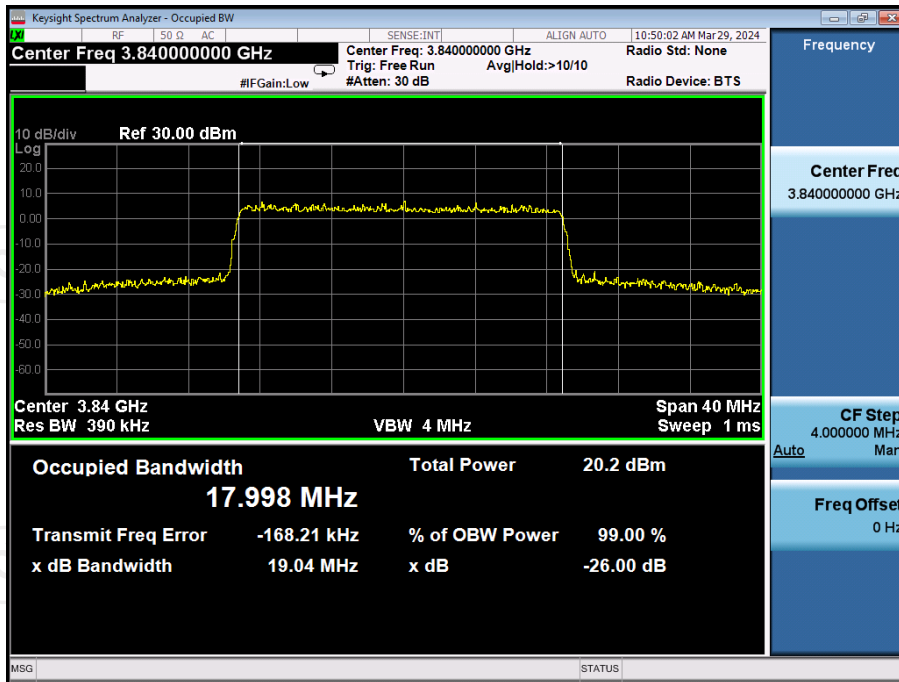
Input 5G NR 20MHz UL



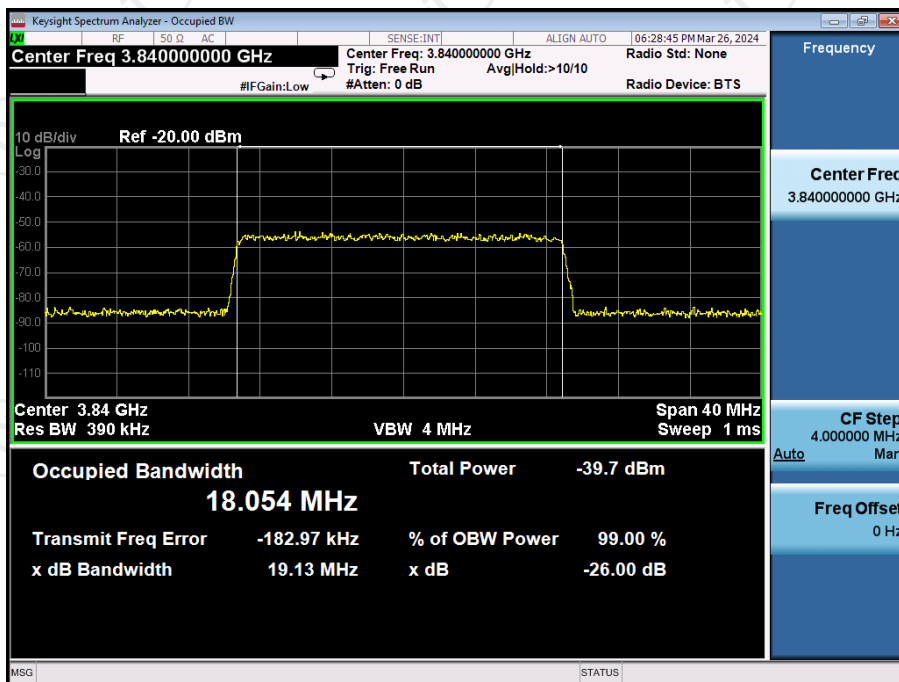
Output 5G NR 20MHz UL @Pre AGC



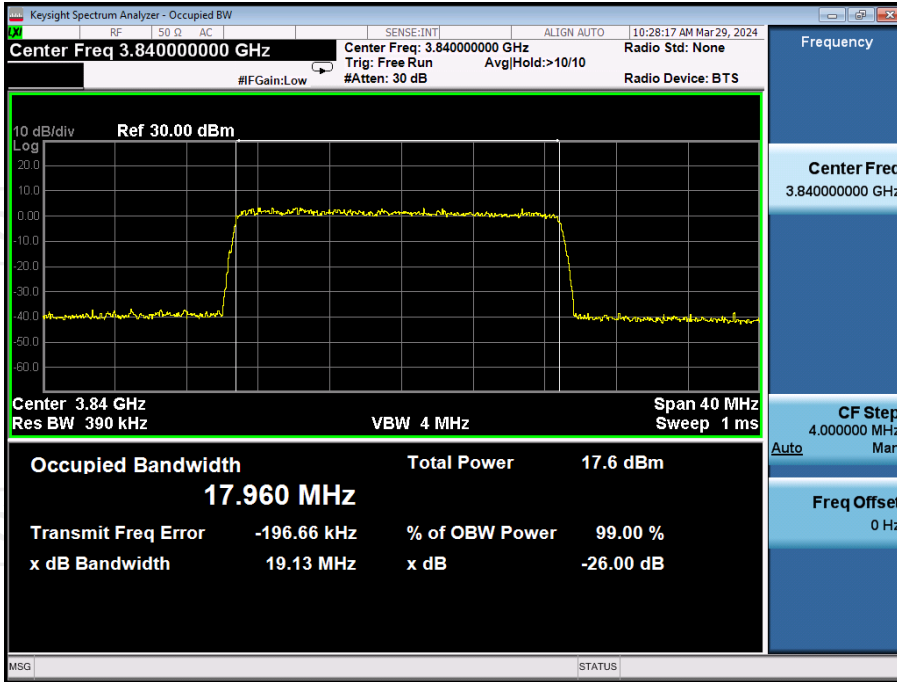
Output 5G NR 20MHz UL @AGC + 3dB



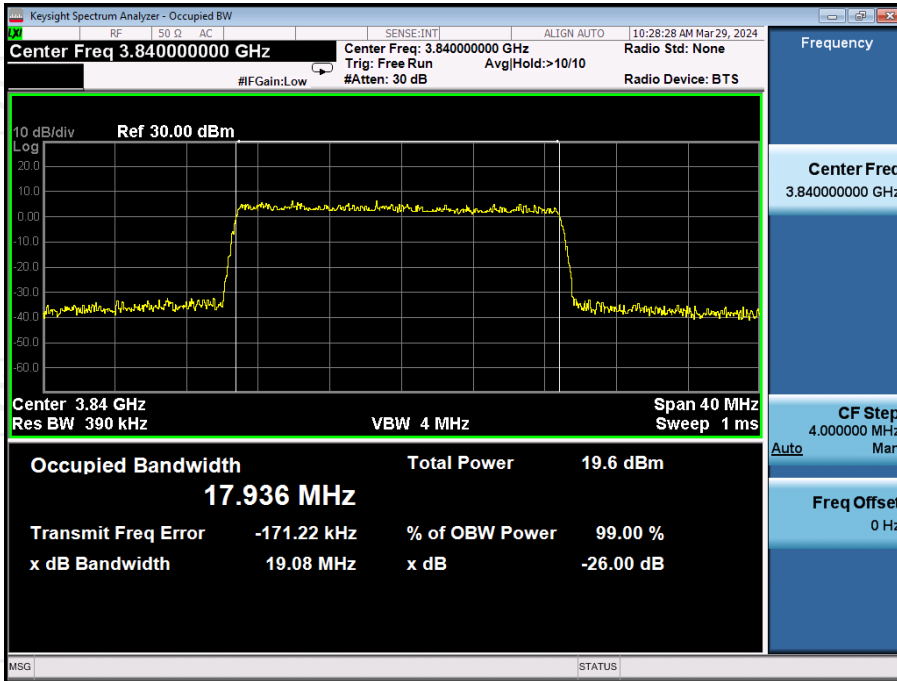
Input 5G NR 20MHz DL



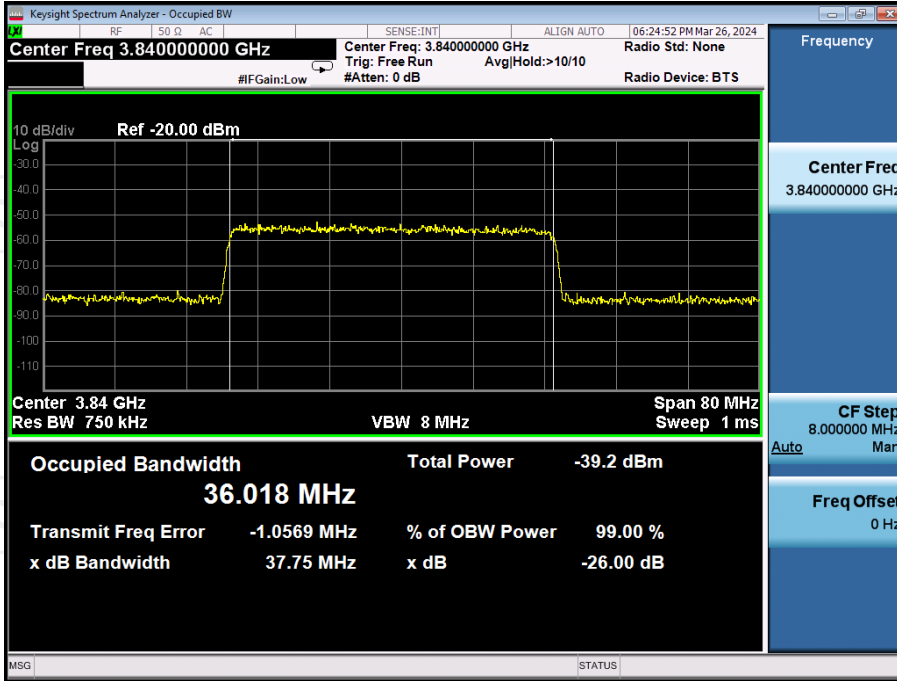
Output 5G NR 20MHz DL @Pre AGC



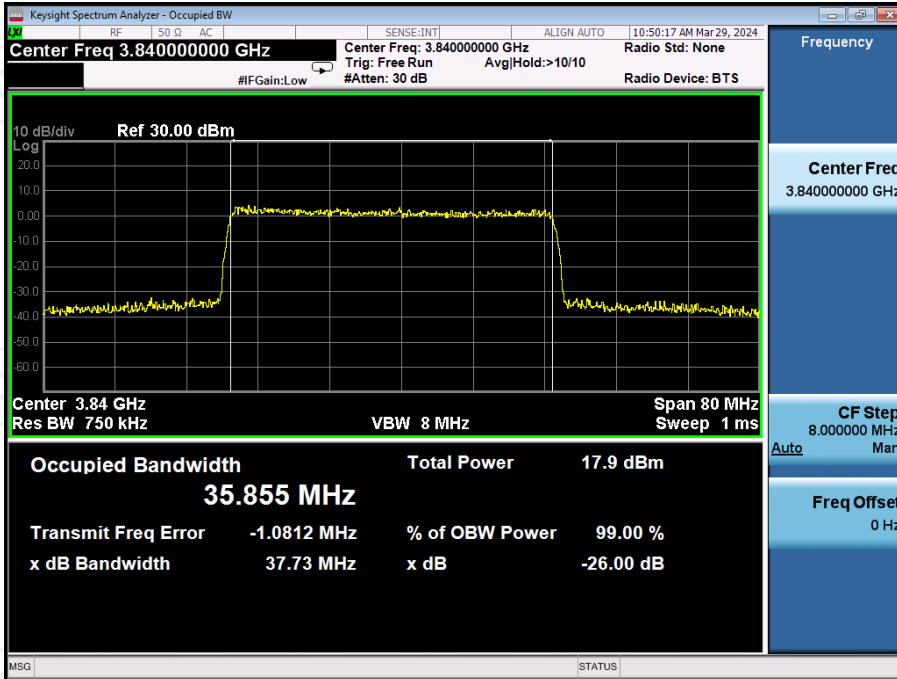
Output 5G NR 20MHz DL @AGC + 3dB



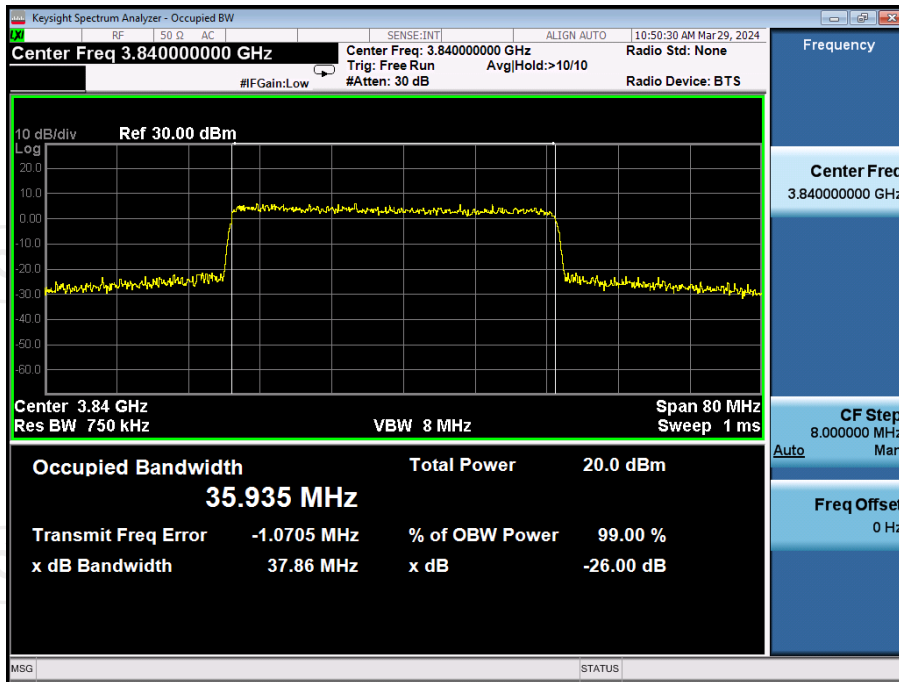
Input 5G NR 40MHz UL



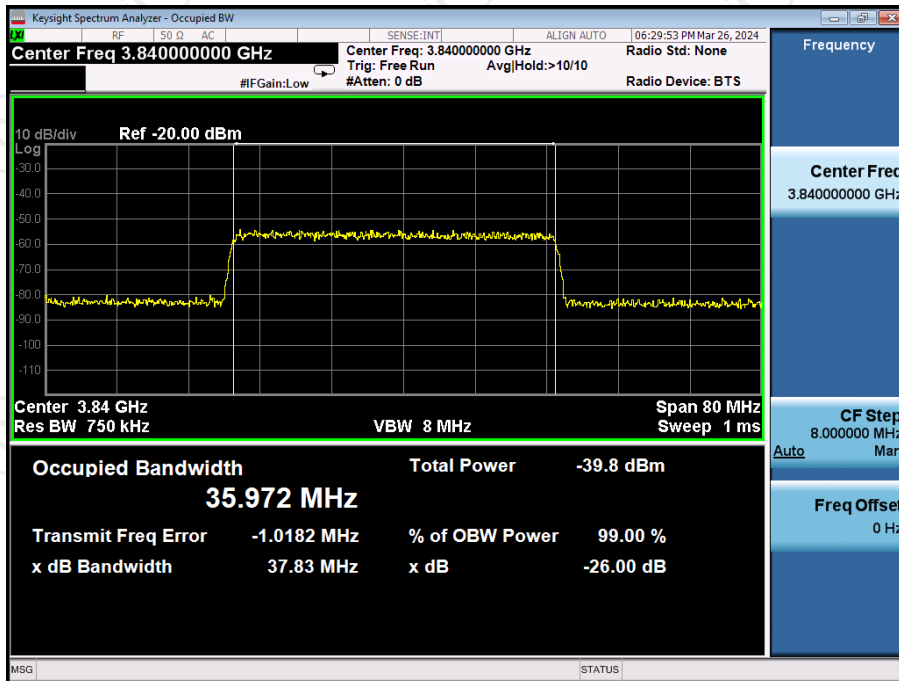
Output 5G NR 40MHz UL @Pre AGC



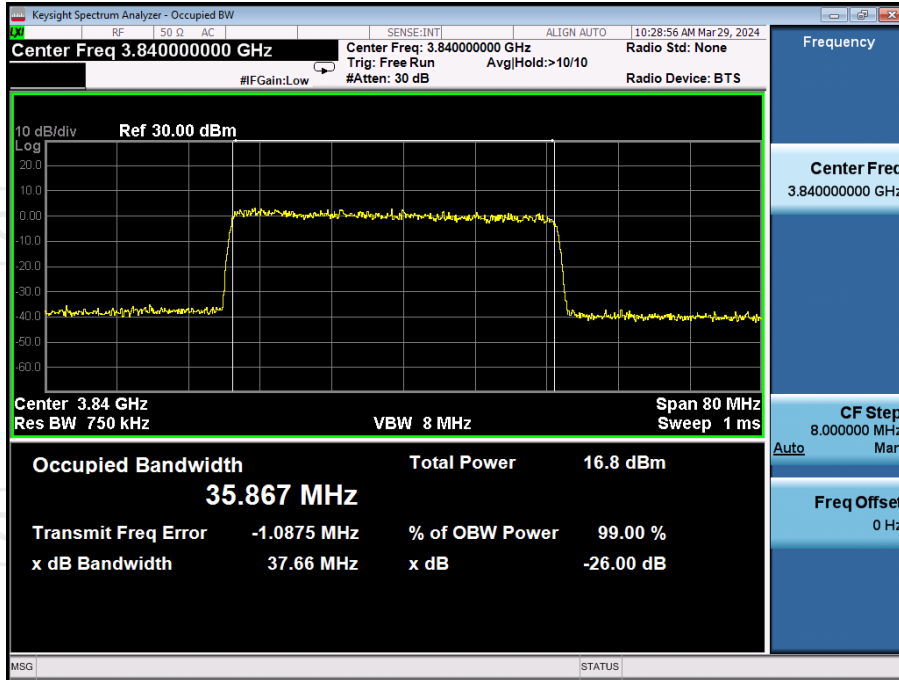
Output 5G NR 40MHz UL @AGC + 3dB



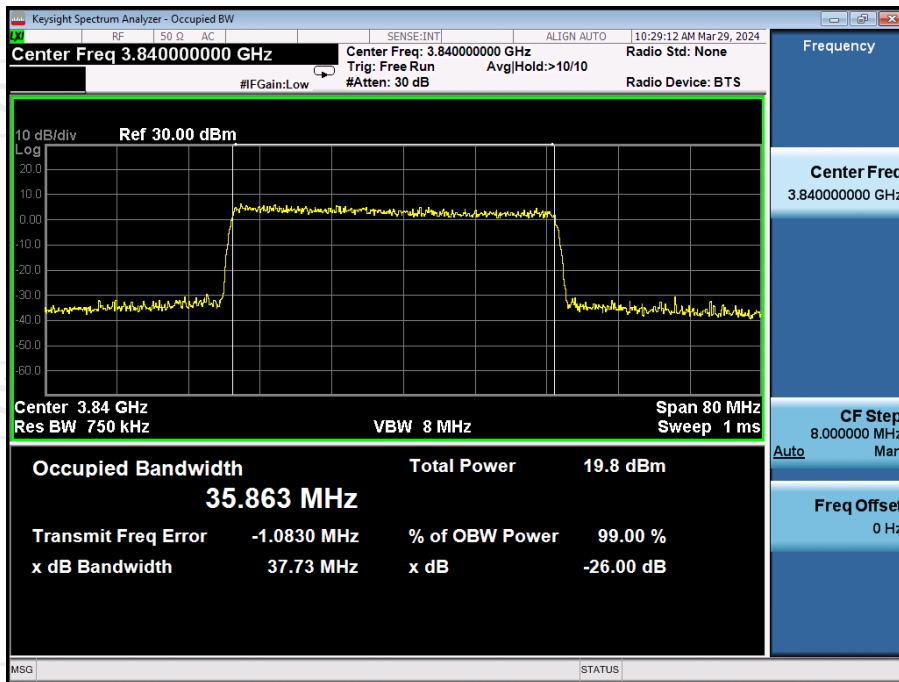
Input 5G NR 40MHz DL



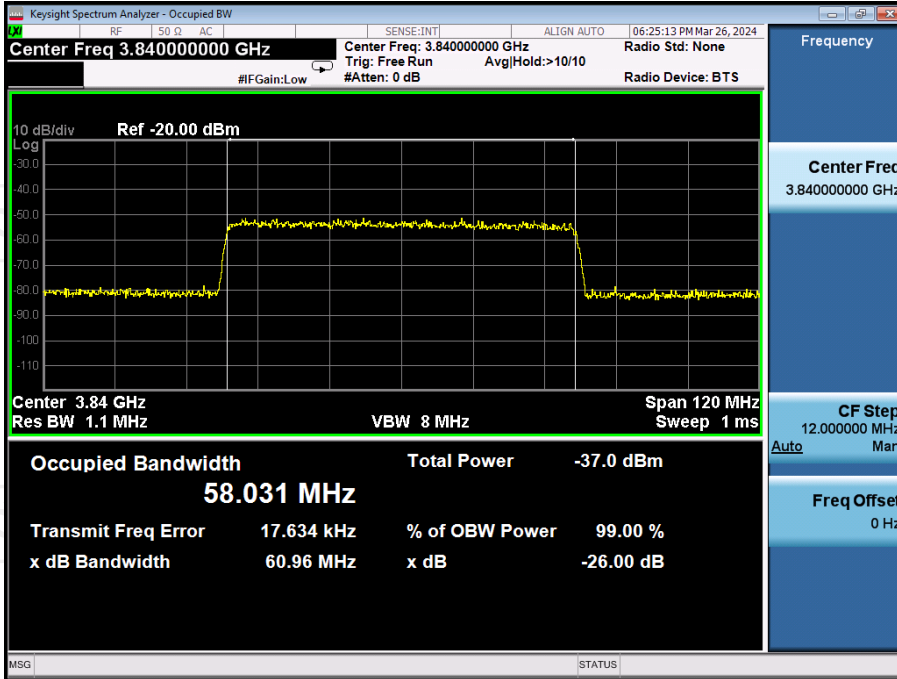
Output 5G NR 40MHz DL @Pre AGC



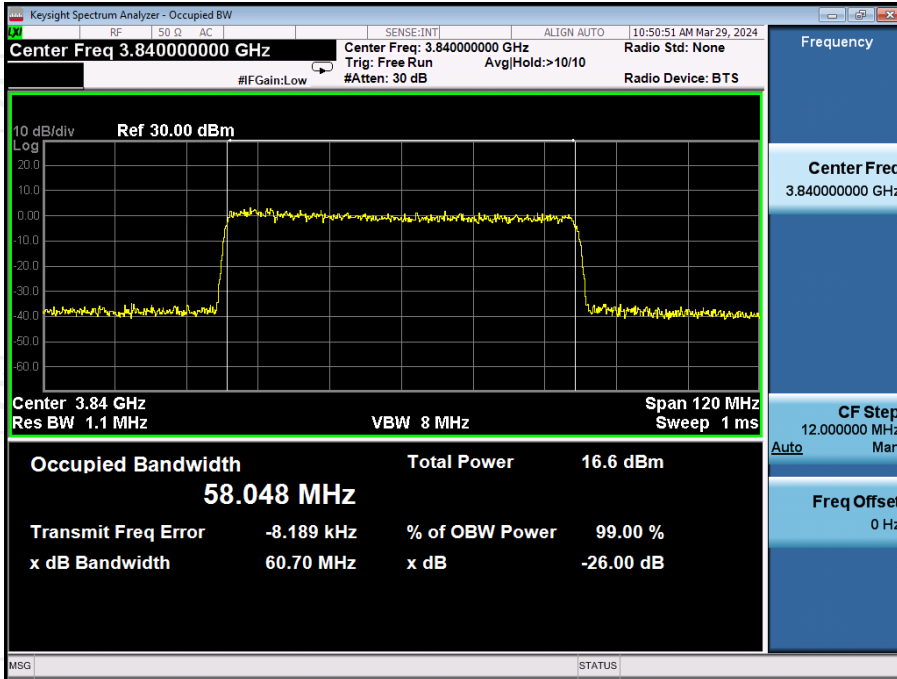
Output 5G NR 40MHz DL @AGC + 3dB



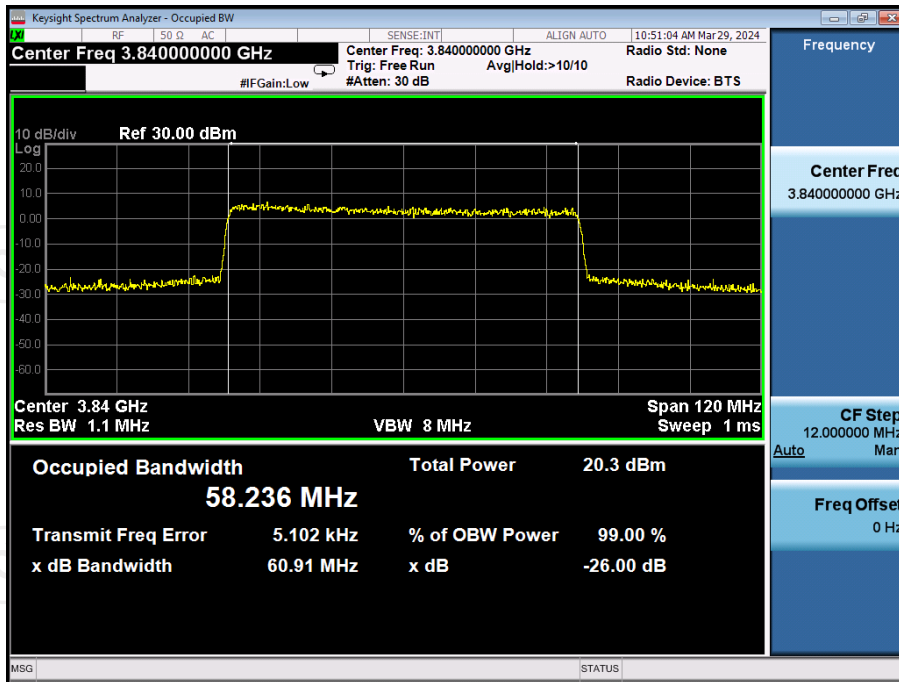
Input 5G NR 60MHz UL



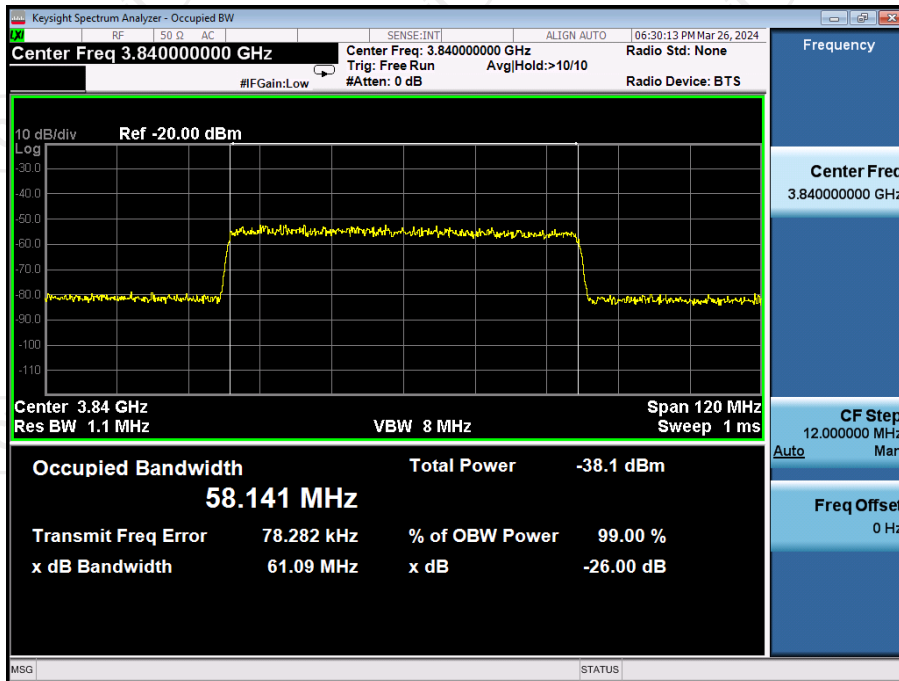
Output 5G NR 60MHz UL @Pre AGC



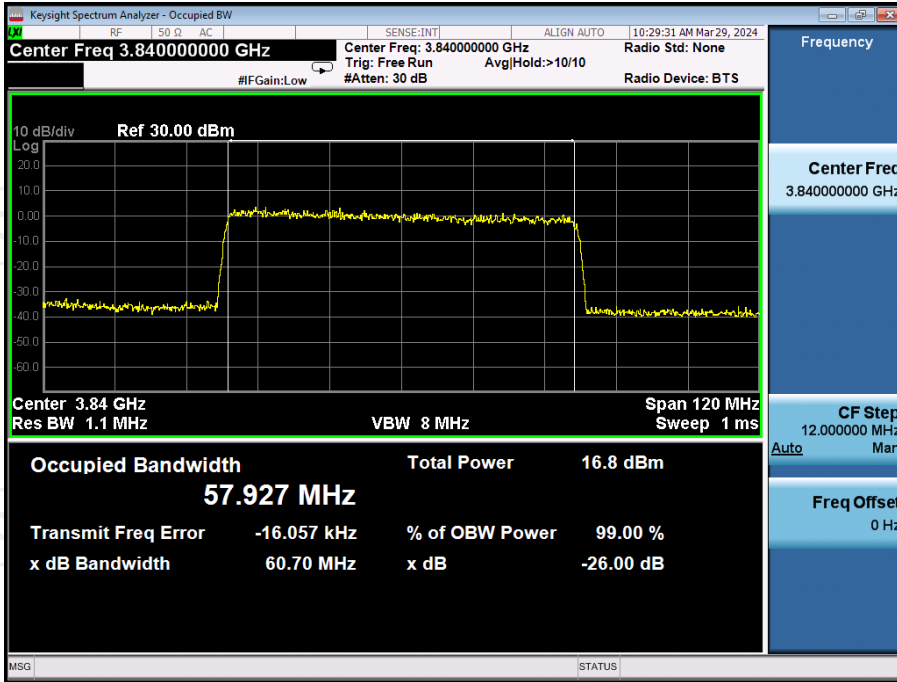
Output 5G NR 60MHz UL @AGC + 3dB



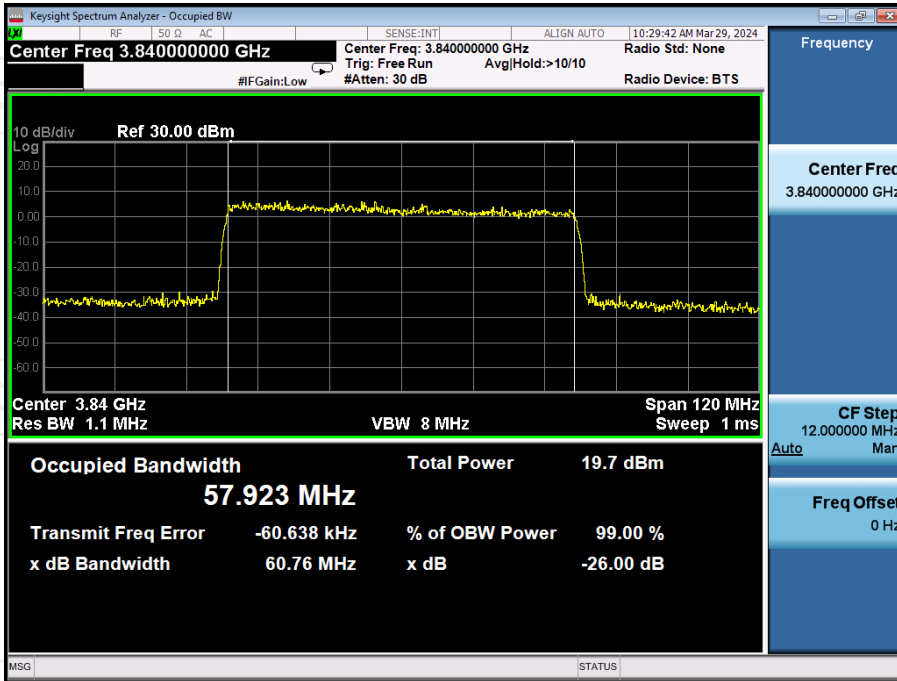
Input 5G NR 60MHz DL



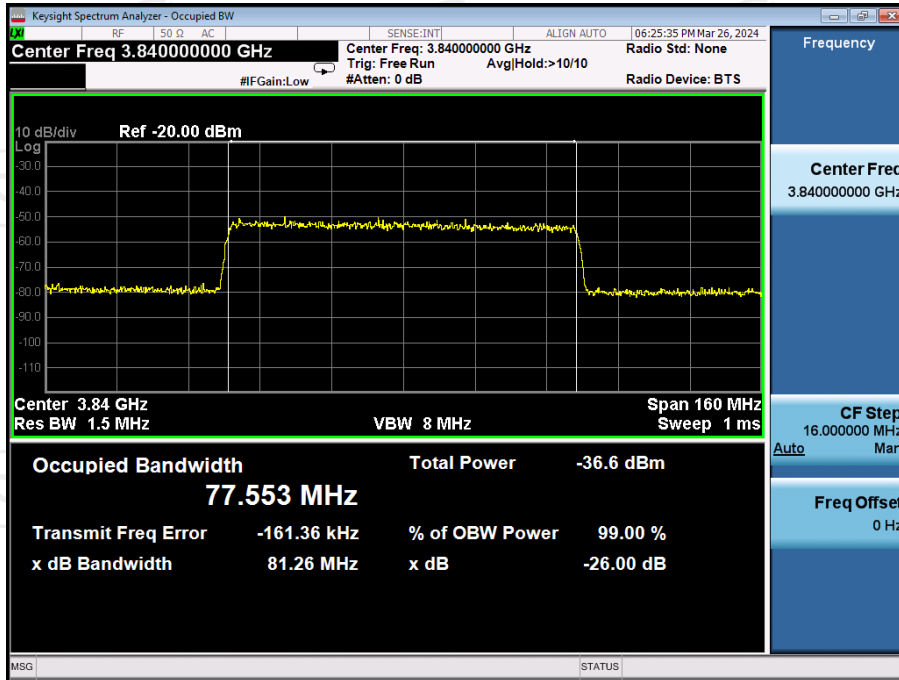
Output 5G NR 60MHz DL @Pre AGC



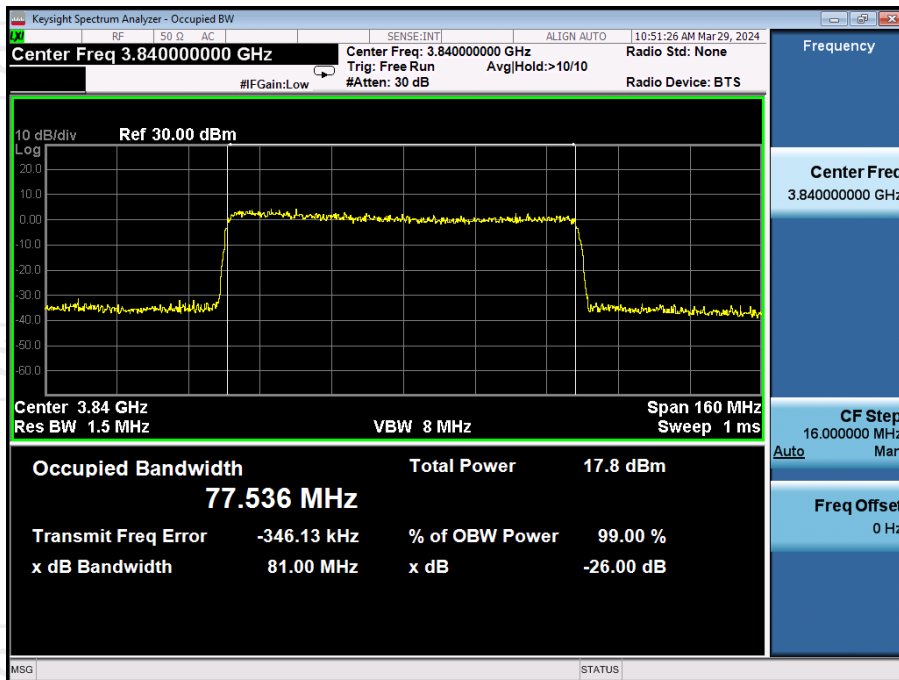
Output 5G NR 60MHz DL @AGC + 3dB



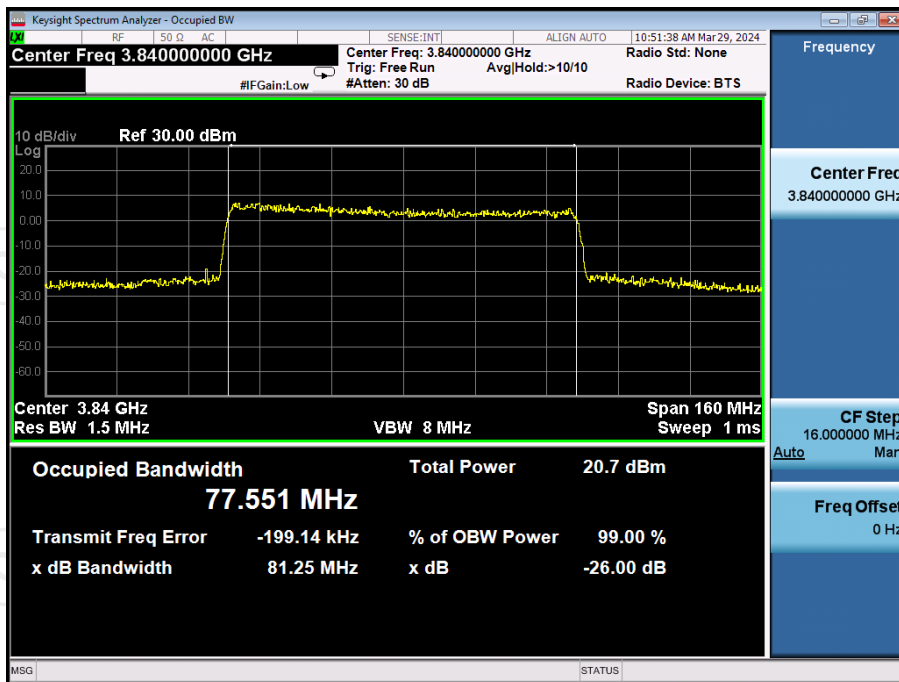
Input 5G NR 80MHz UL



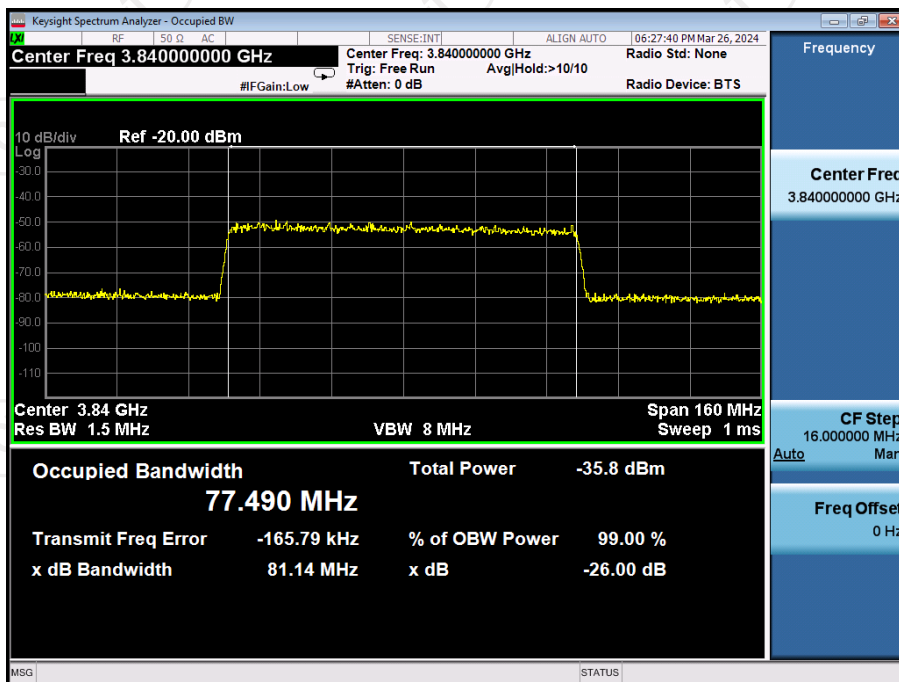
Output 5G NR 80MHz UL @Pre AGC



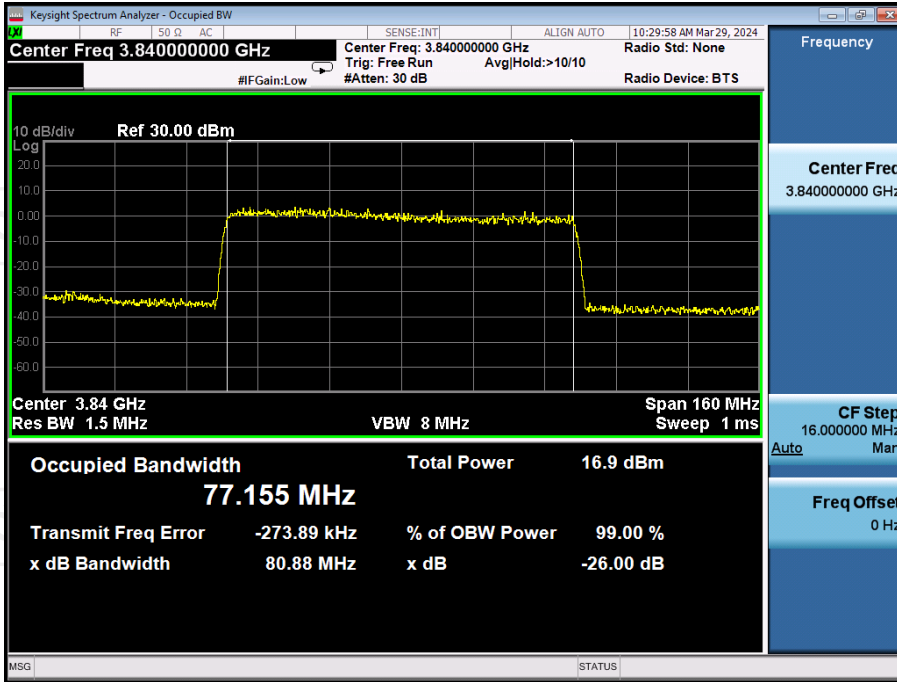
Output 5G NR 80MHz UL @AGC + 3dB



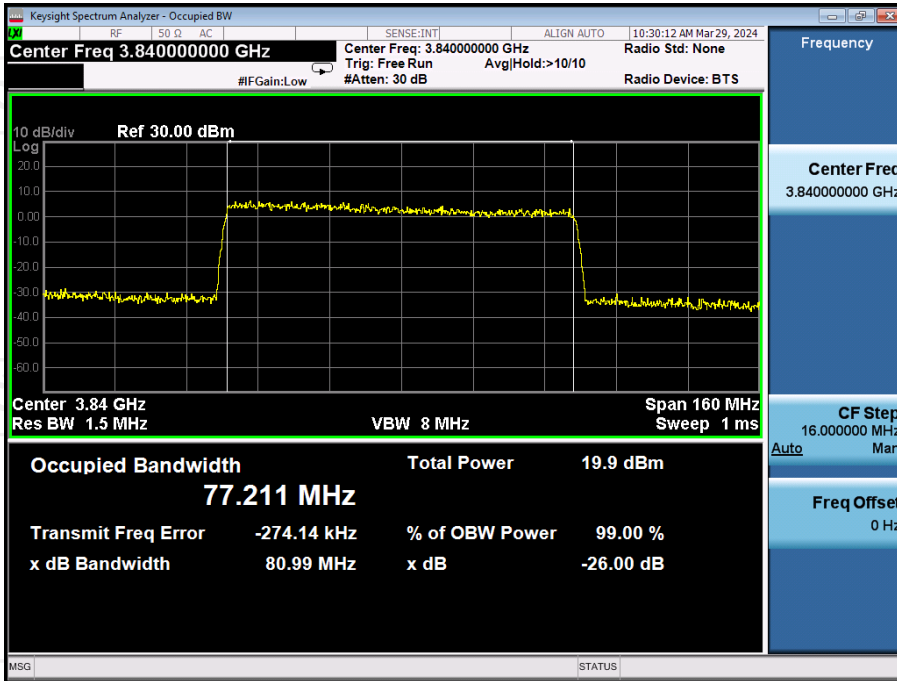
Input 5G NR 80MHz DL



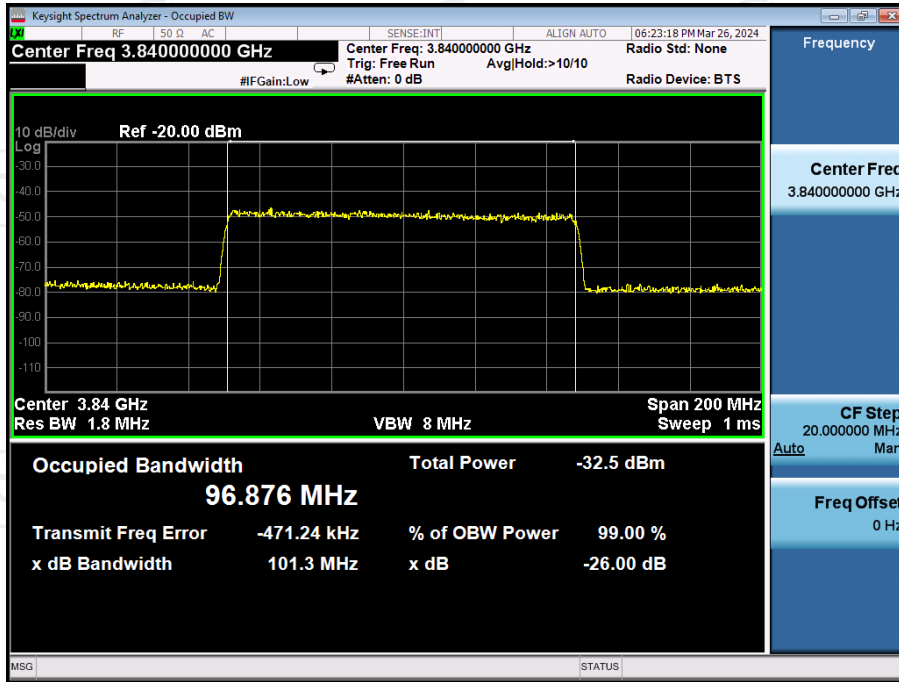
Output 5G NR 80MHz DL @Pre AGC



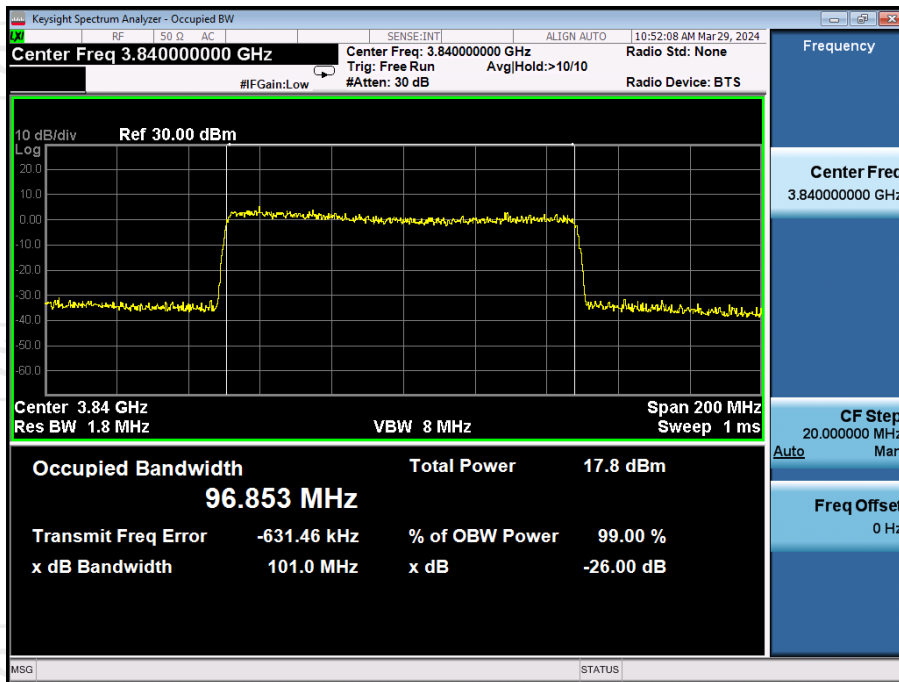
Output 5G NR 80MHz DL @AGC + 3dB



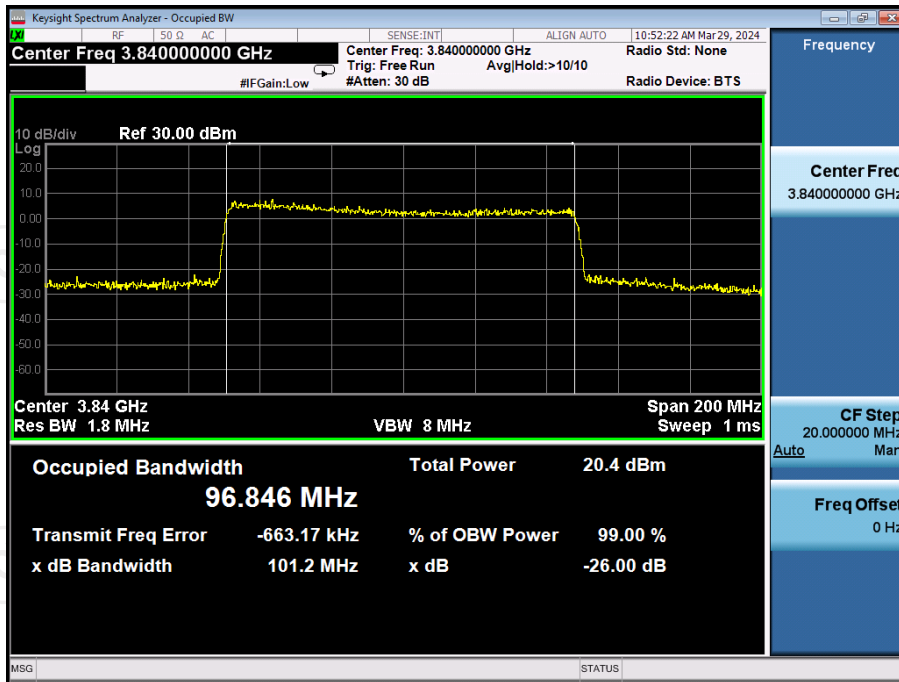
Input 5G NR 100MHz UL



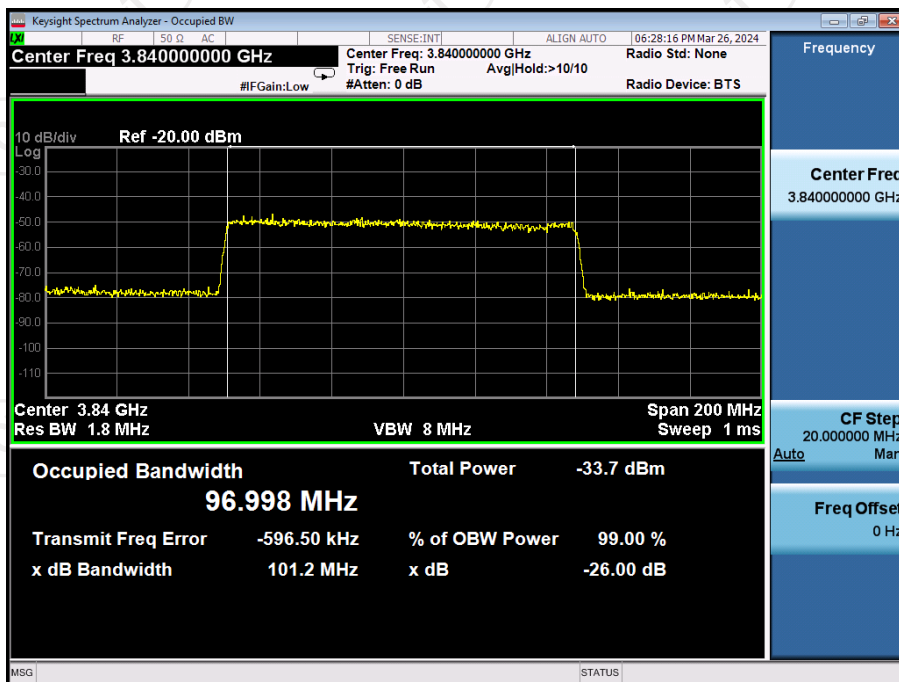
Output 5G NR 100MHz UL @Pre AGC



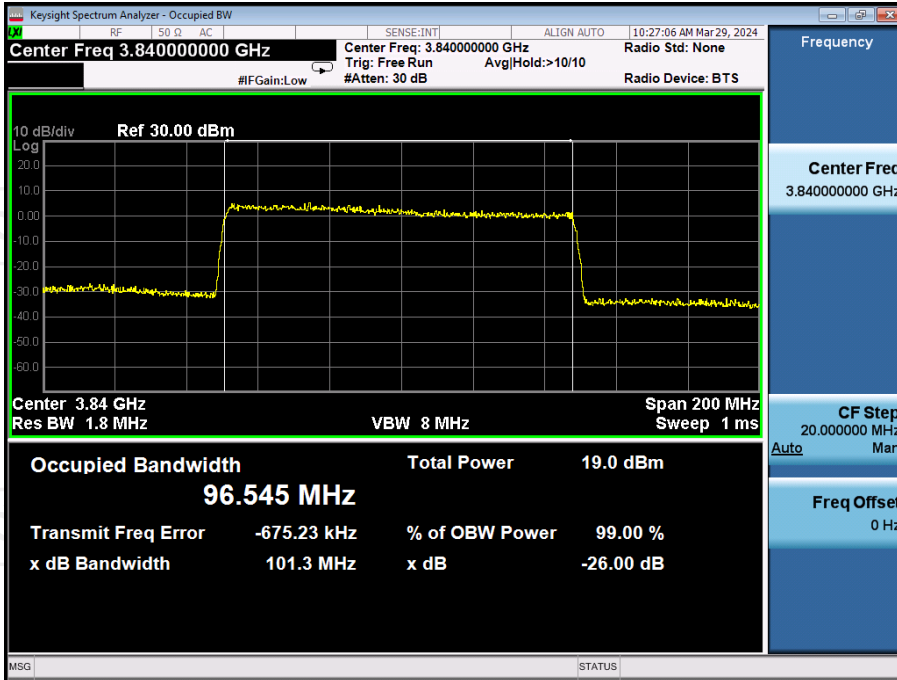
Output 5G NR 100MHz UL @AGC + 3dB



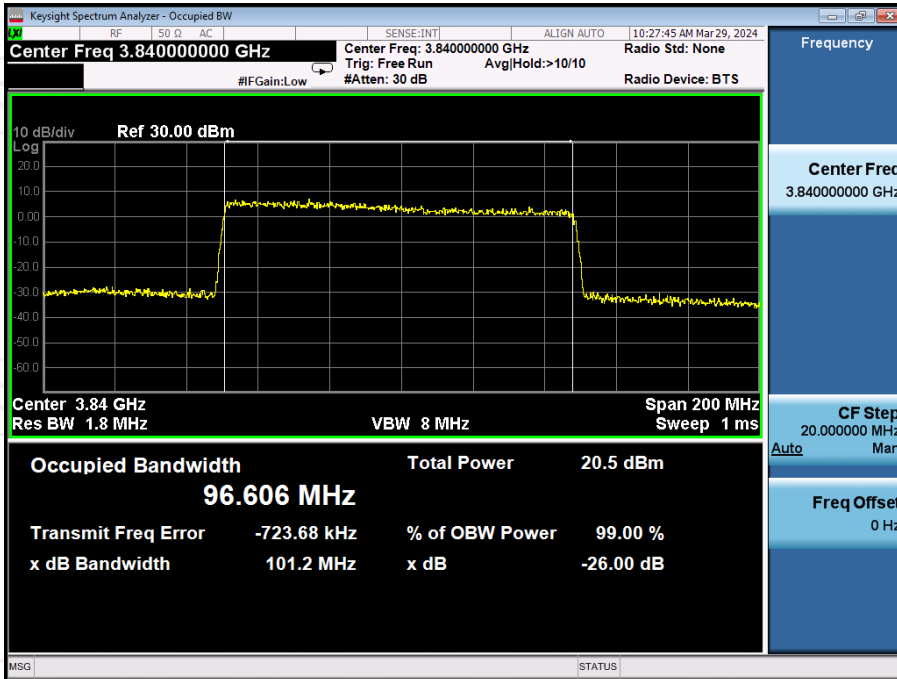
Input 5G NR 100MHz DL



Output 5G NR 100MHz DL @Pre AGC

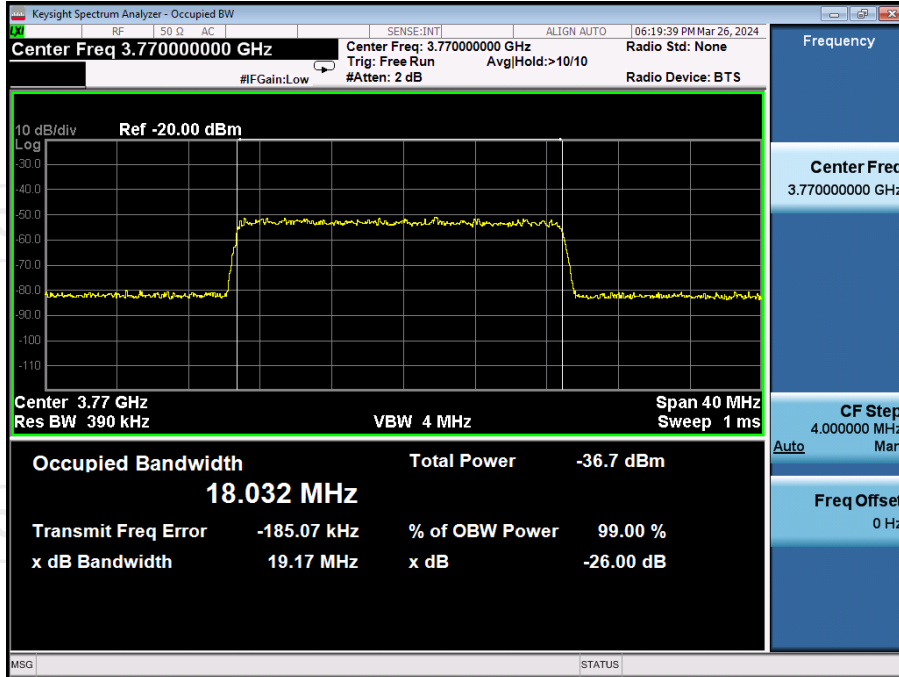


Output 5G NR 100MHz DL @AGC + 3dB



Sub-Band Mode

Input 5G NR 20MHz UL



Output 5G NR 20MHz UL @Pre AGC

