

RF Test Data for LTE (Conducted Measurement)-Part1

Product Name: SKYBOXE 4GTV

Trade Mark: SKYBOXE

Test Model: SB4GTVLM940

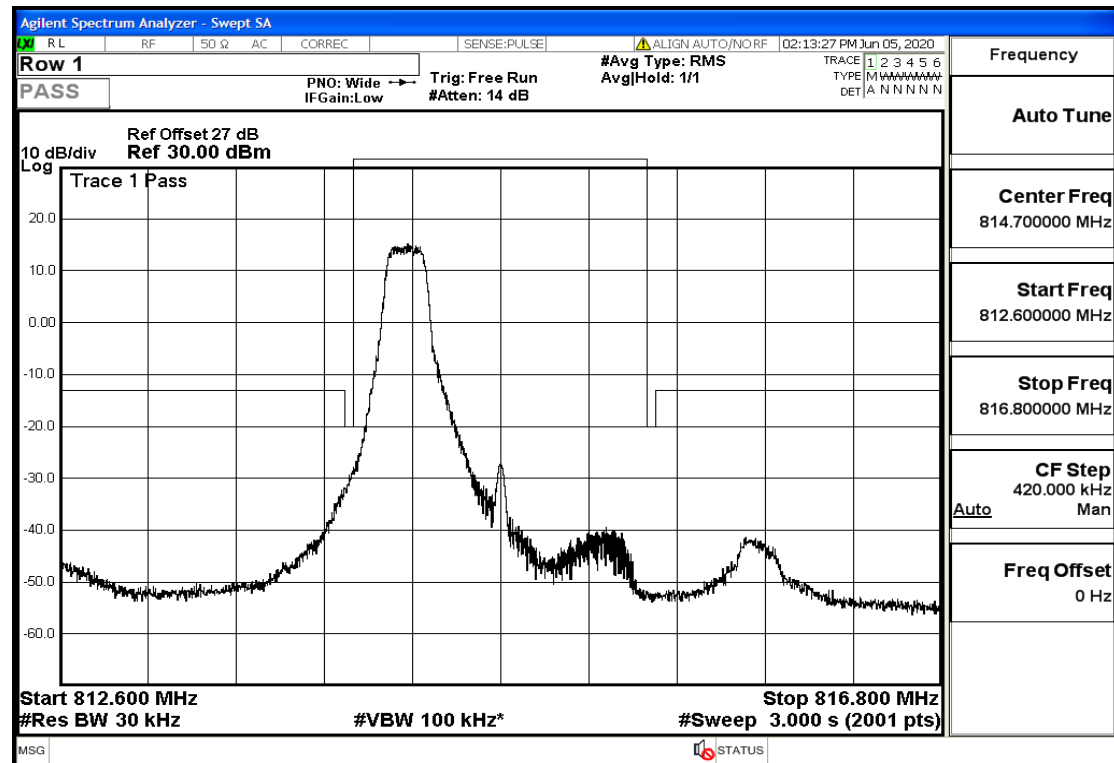
FCC ID: 2AWJS-SB4GTVLM940

Environmental Conditions

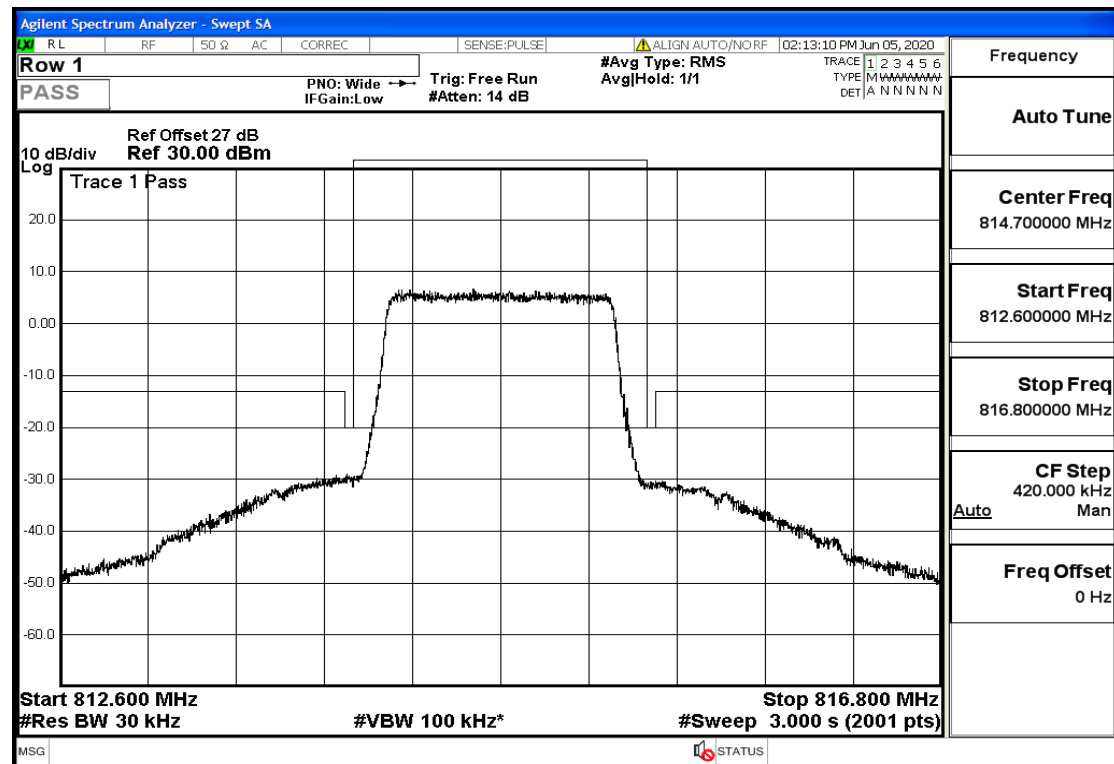
Temperature:	22.8°C
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	For Band 26

Band Edge and Emission Mask

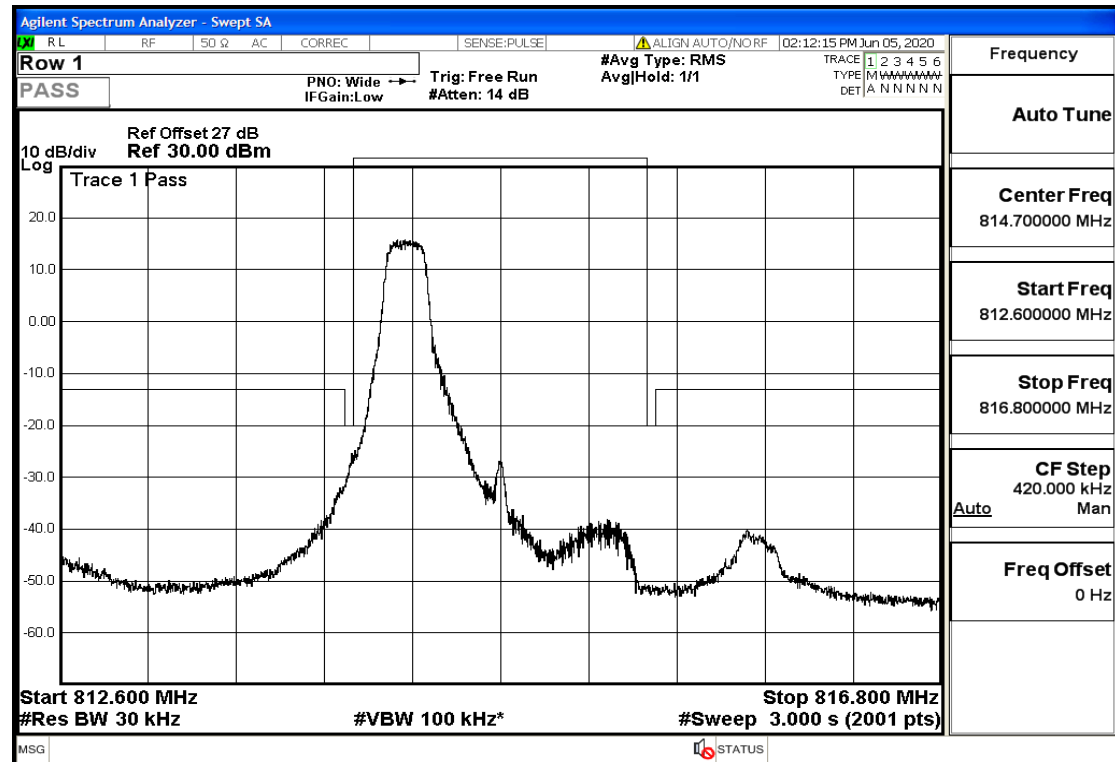
Band26A-1.4-814.7-16QAM-1#LOW@Pass



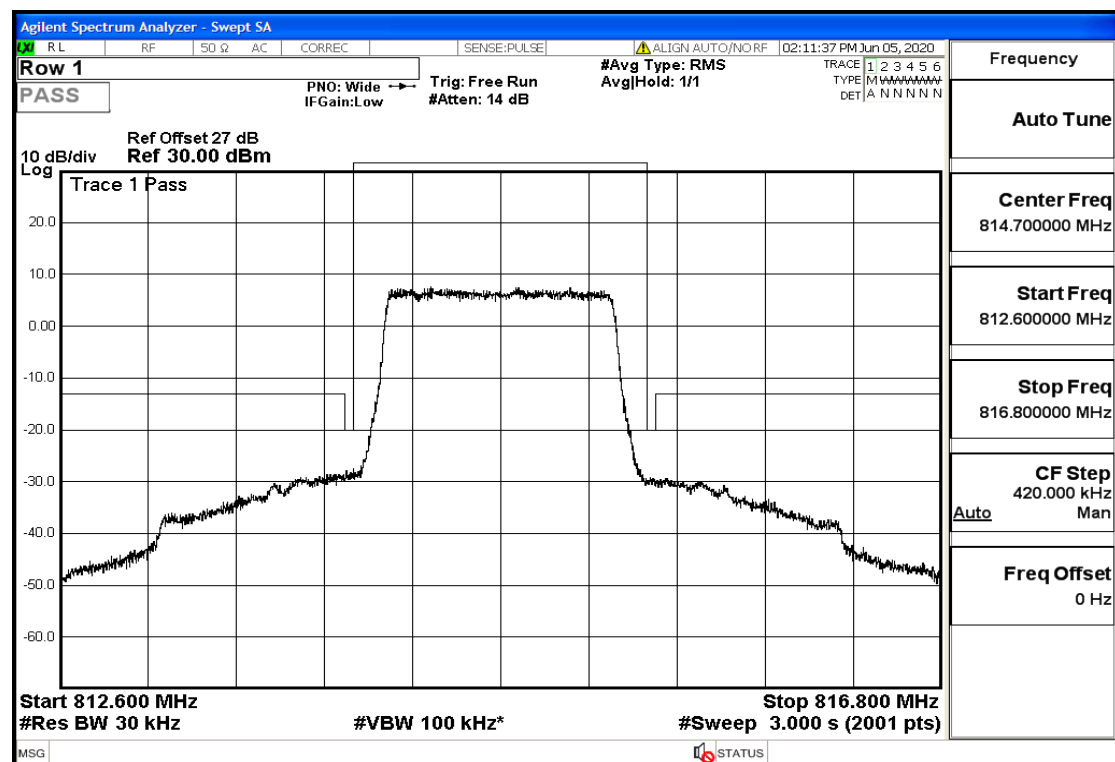
Band26A-1.4-814.7-16QAM-6#LOW@Pass



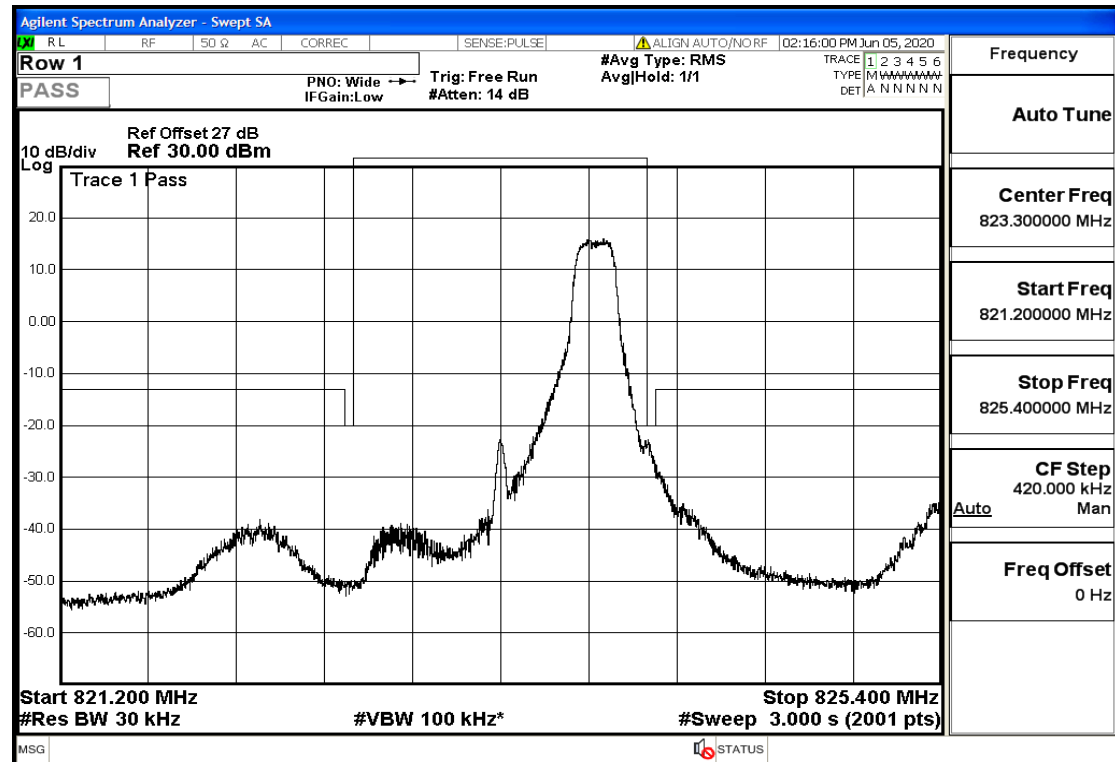
Band26A-1.4-814.7-QPSK-1#LOW@Pass



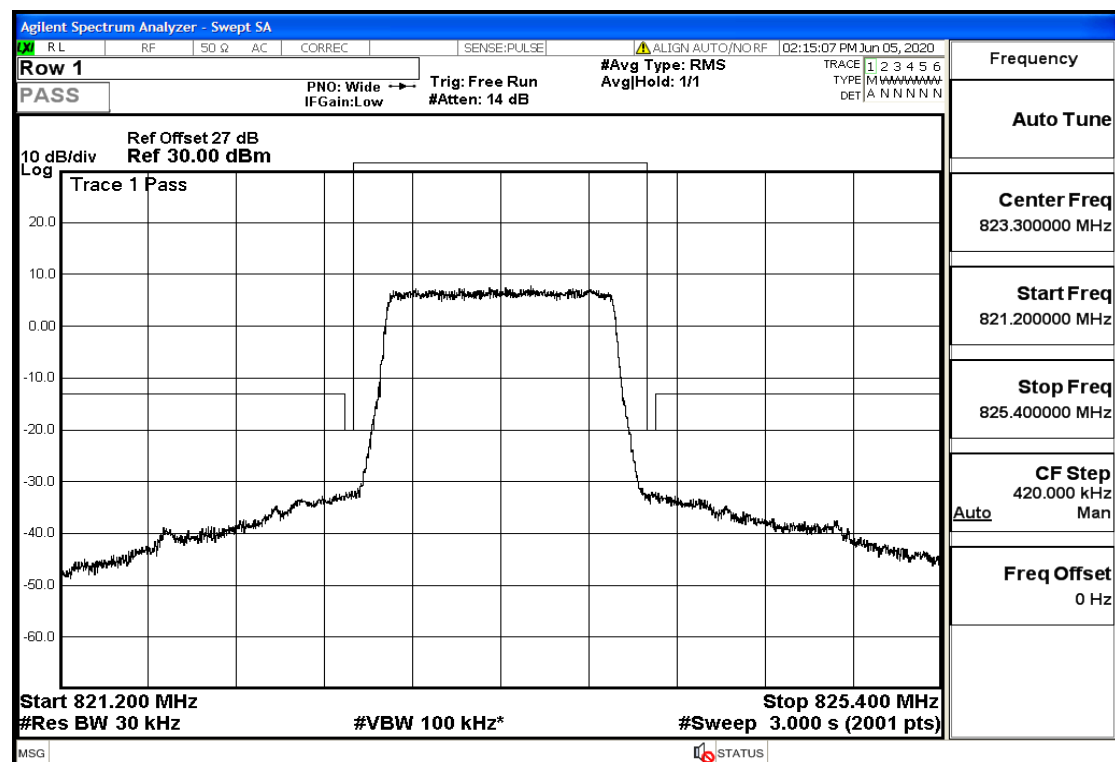
Band26A-1.4-814.7-QPSK-6#LOW@Pass



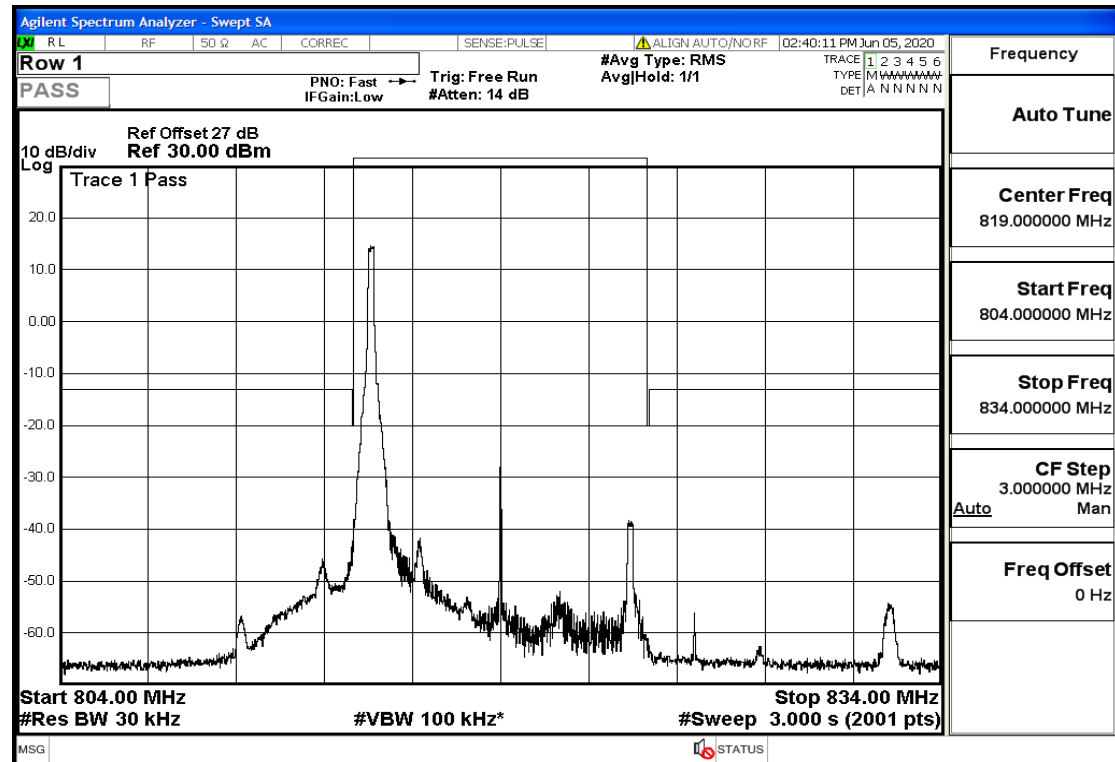
Band26A-1.4-823.3-QPSK-1#HIGH@Pass



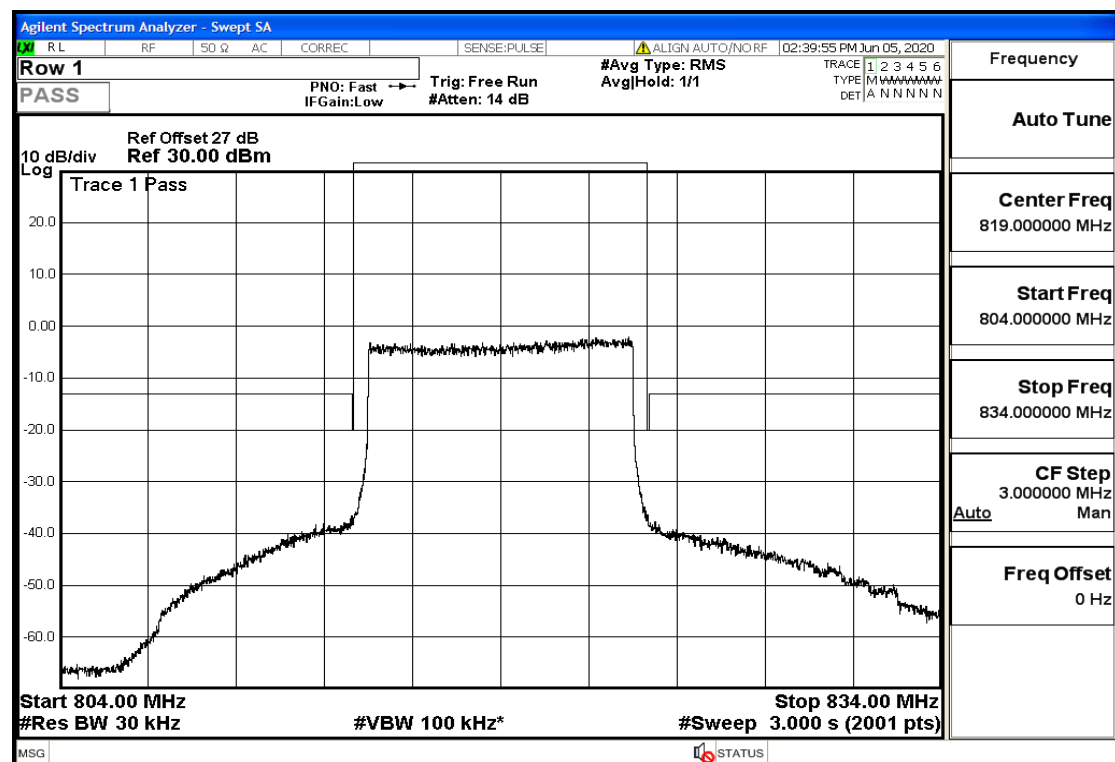
Band26A-1.4-823.3-QPSK-6#LOW@Pass



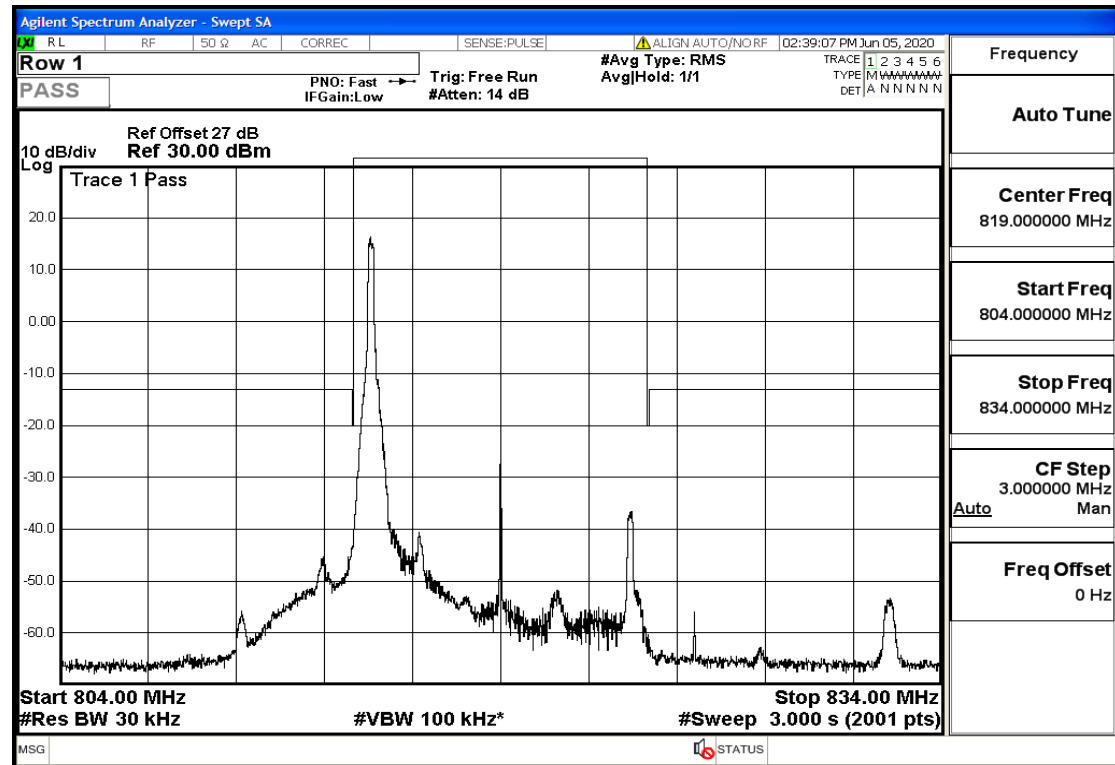
Band26A-10-819-16QAM-1#LOW@Pass



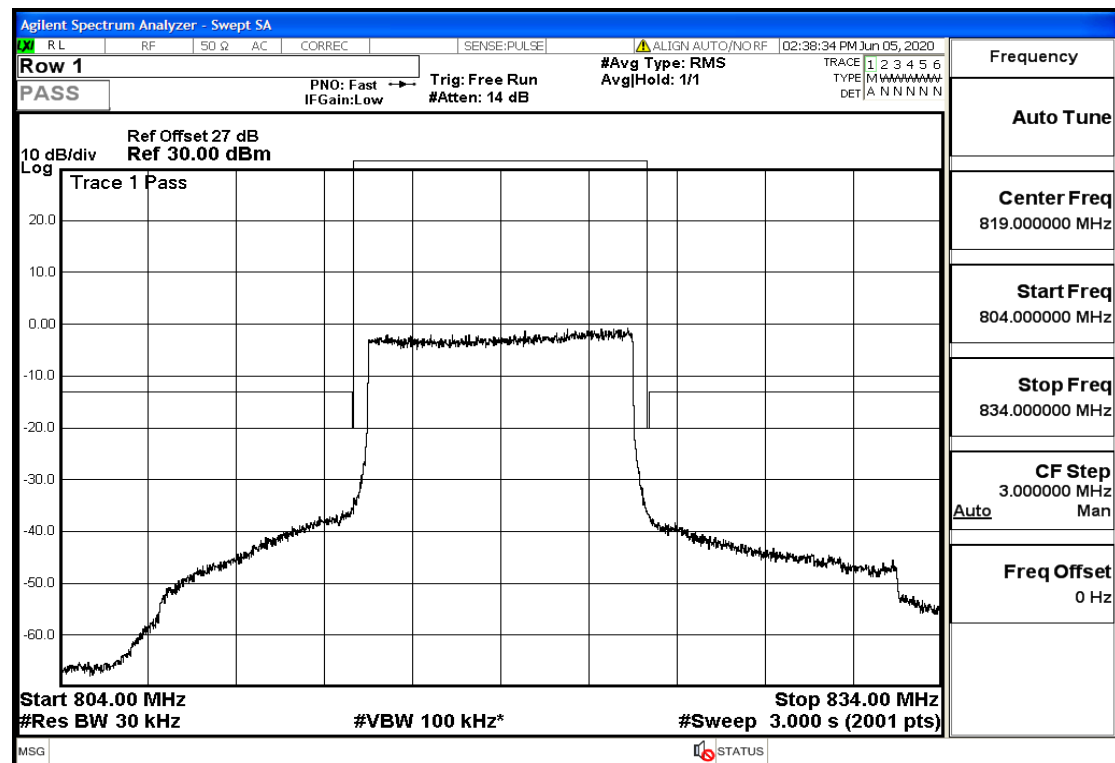
Band26A-10-819-16QAM-50#LOW@Pass



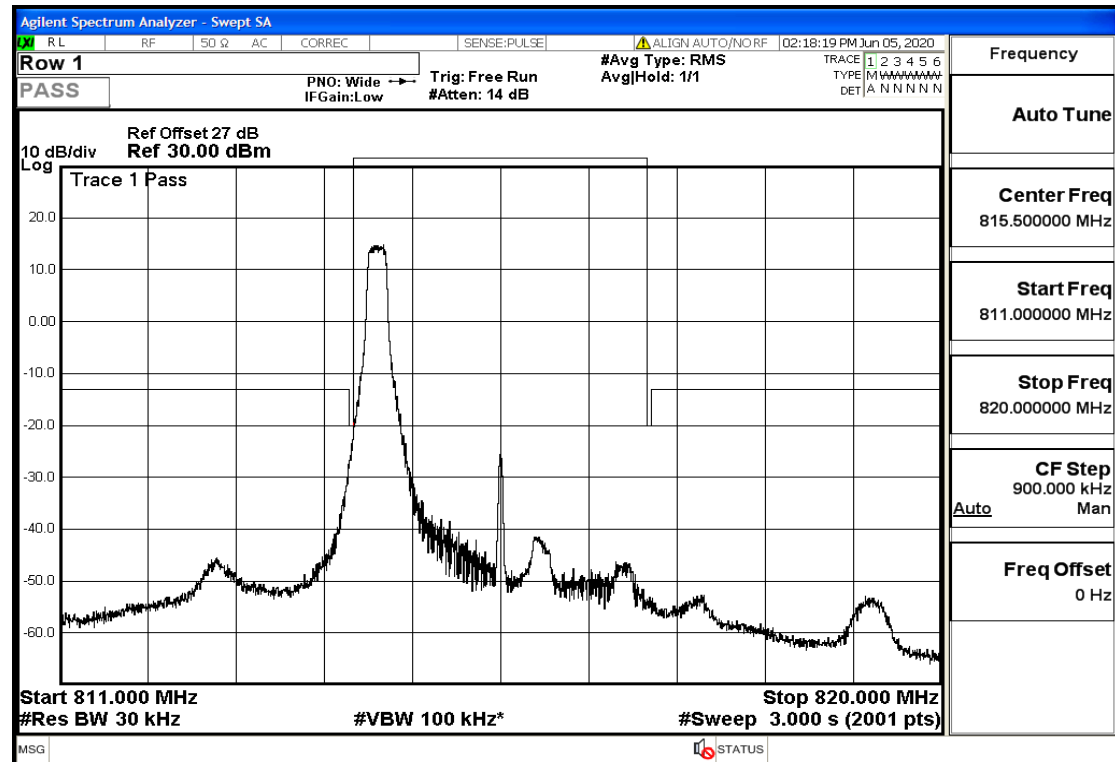
Band26A-10-819-QPSK-1#LOW@Pass



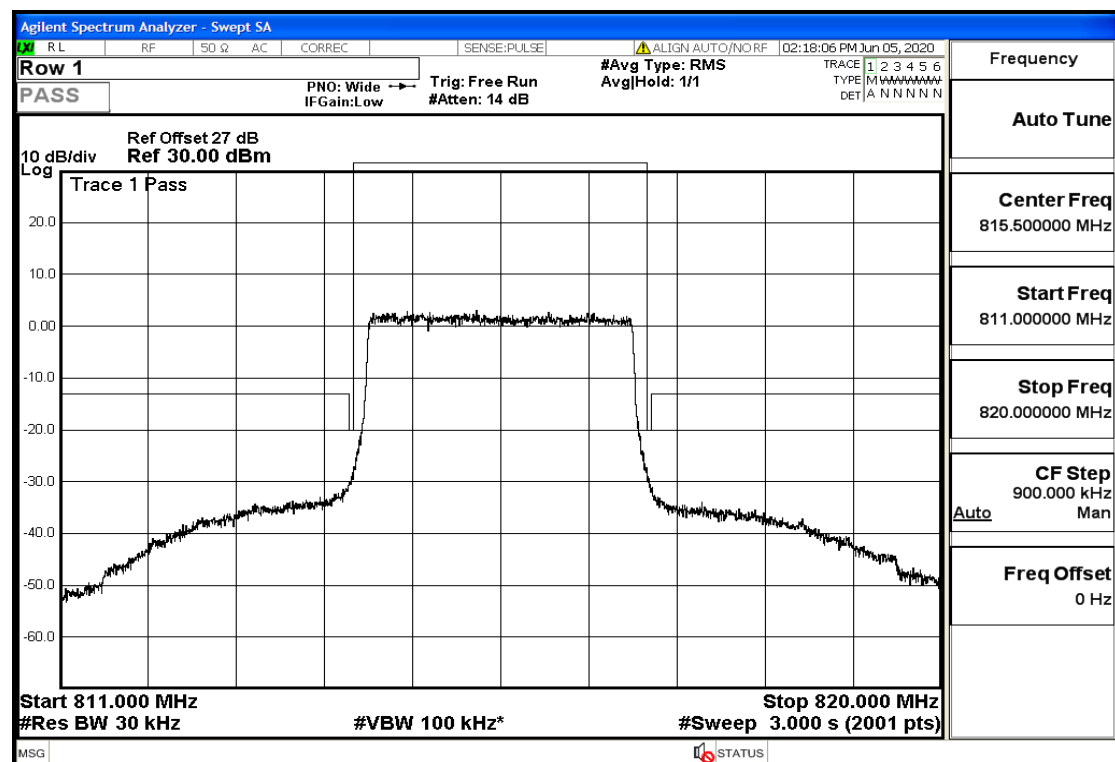
Band26A-10-819-QPSK-50#LOW@Pass



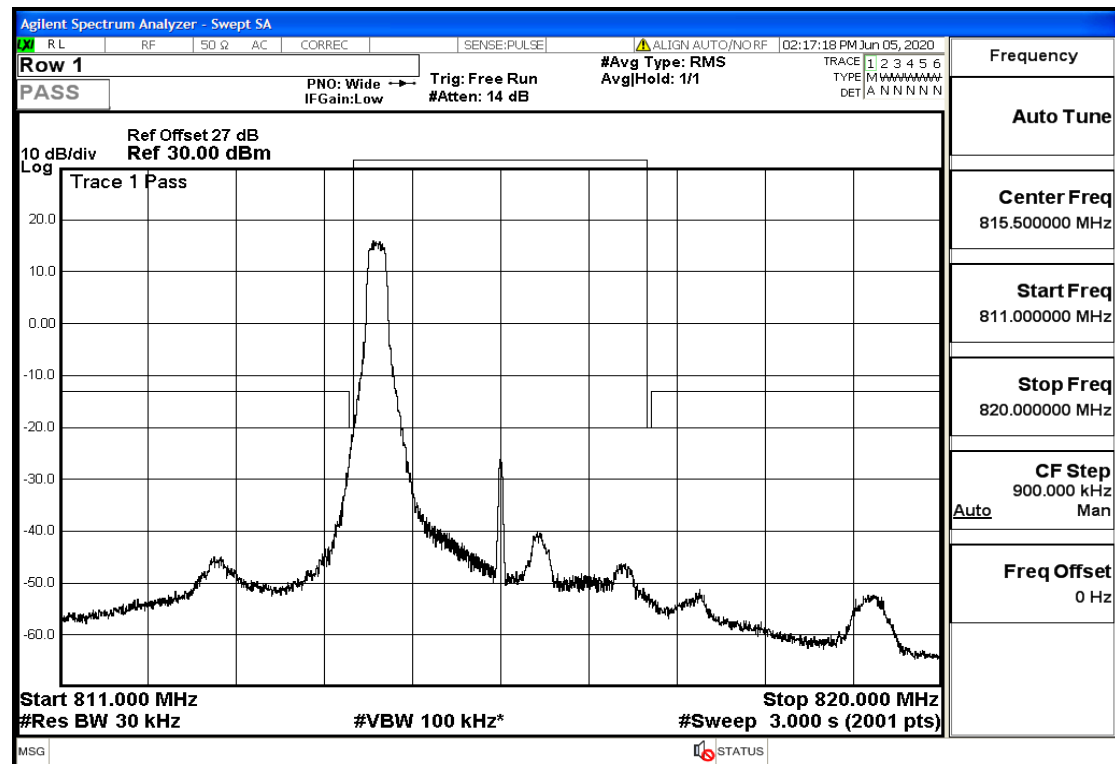
Band26A-3-815.5-16QAM-1#LOW@Pass



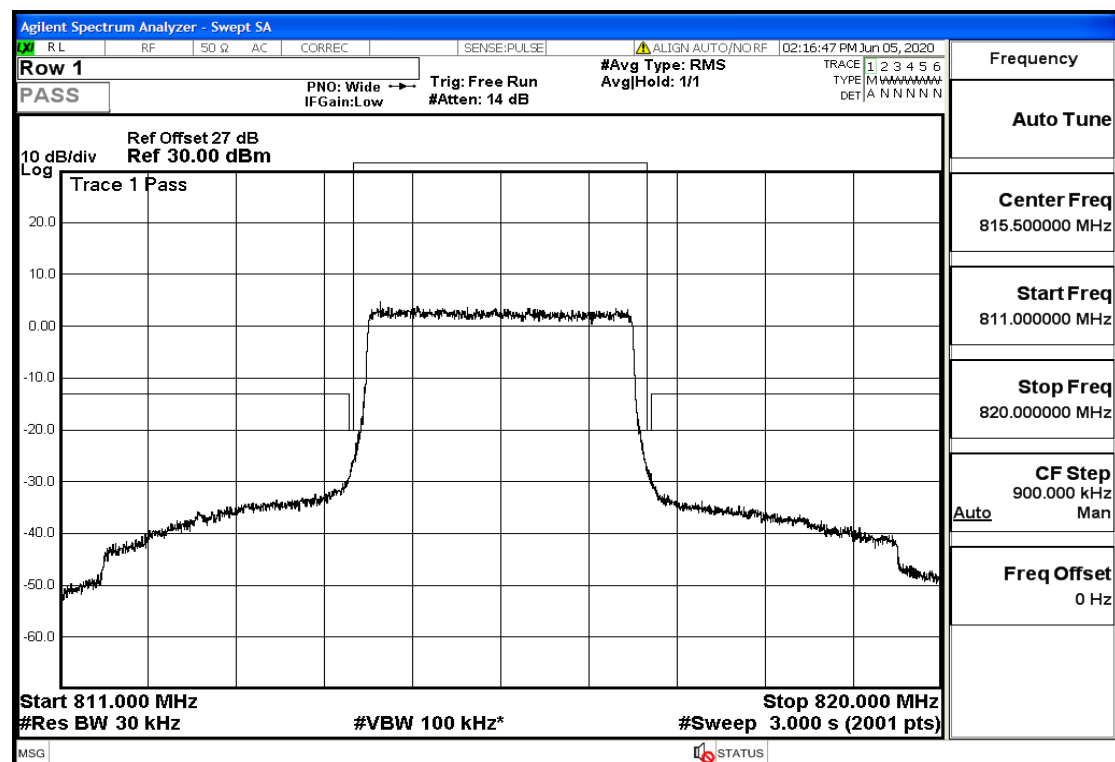
Band26A-3-815.5-16QAM-15#LOW@Pass



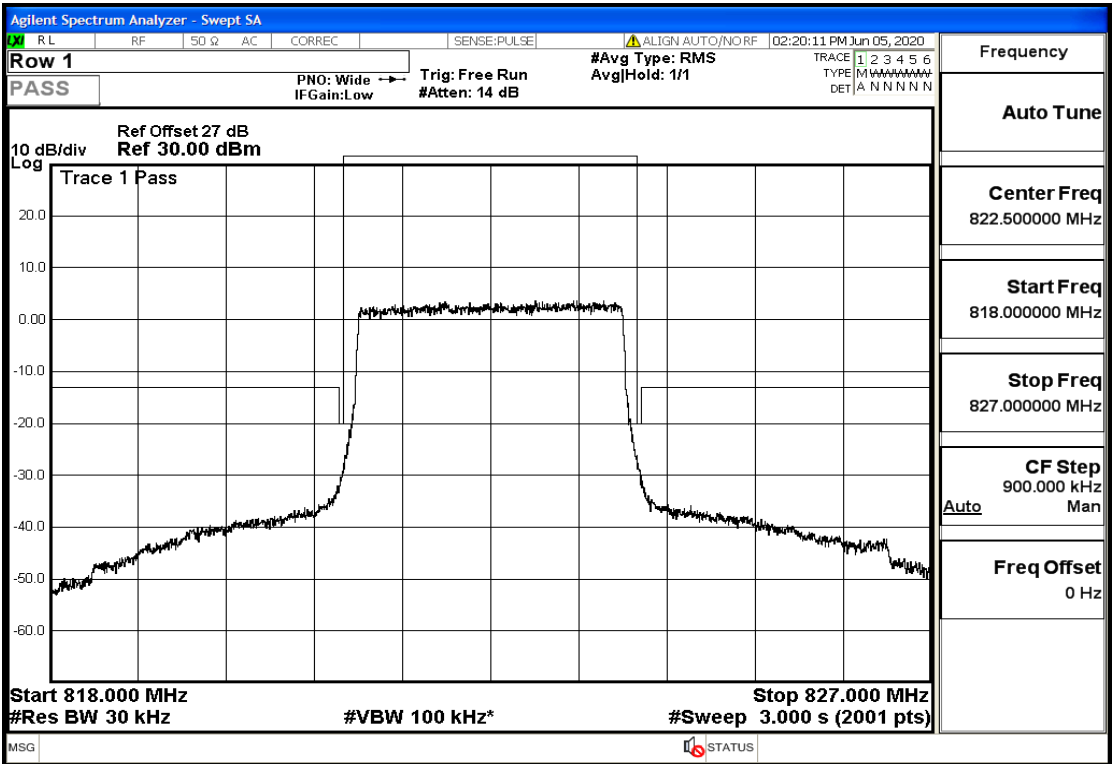
Band26A-3-815.5-QPSK-1#LOW@Pass



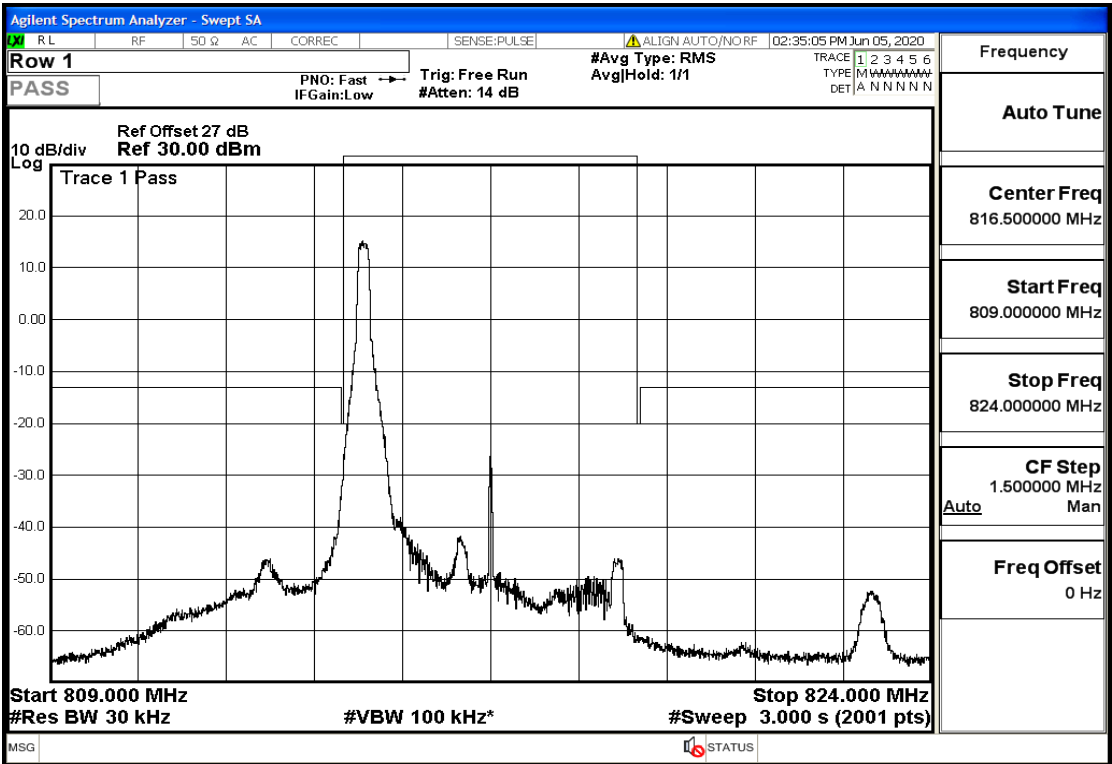
Band26A-3-815.5-QPSK-15#LOW@Pass



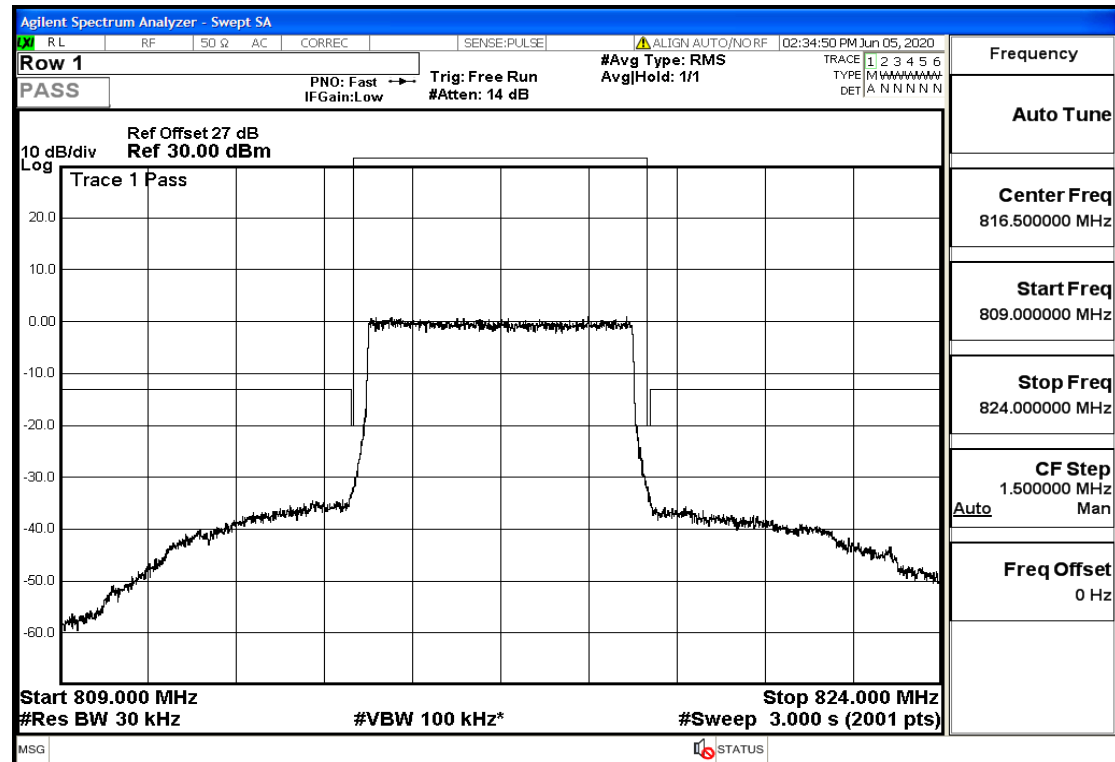
Band26A-3-822.5-QPSK-15#LOW@Pass



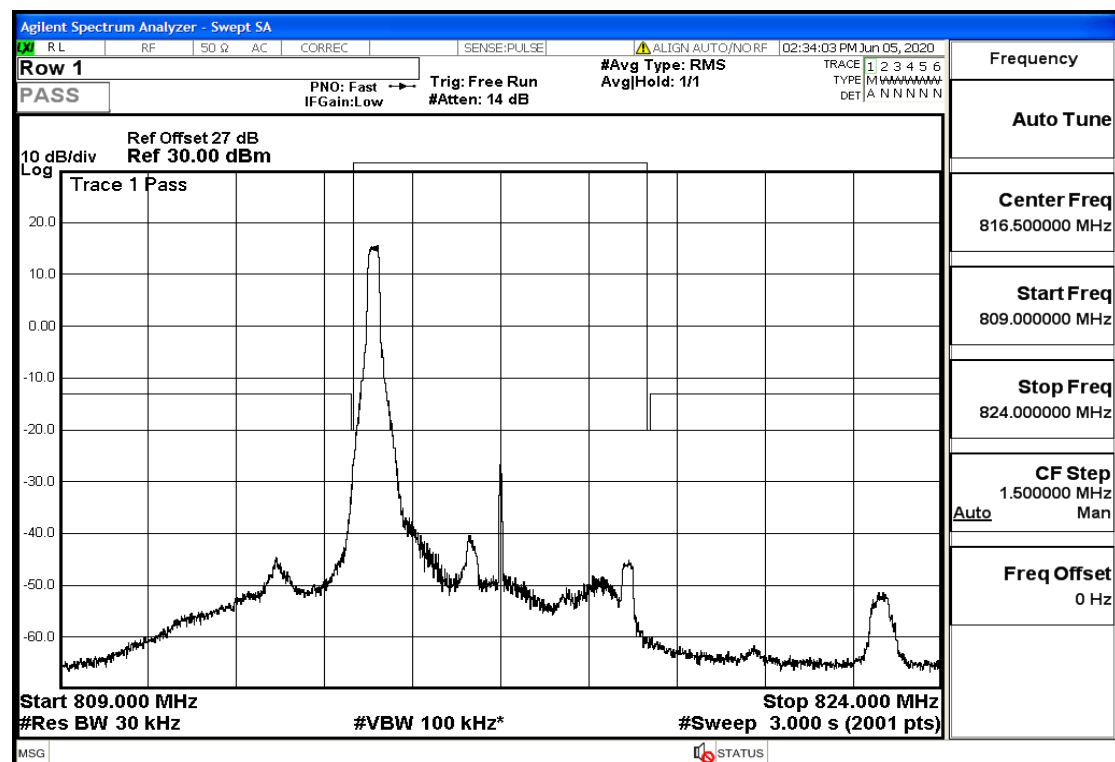
Band26A-5-816.5-16QAM-1#LOW@Pass



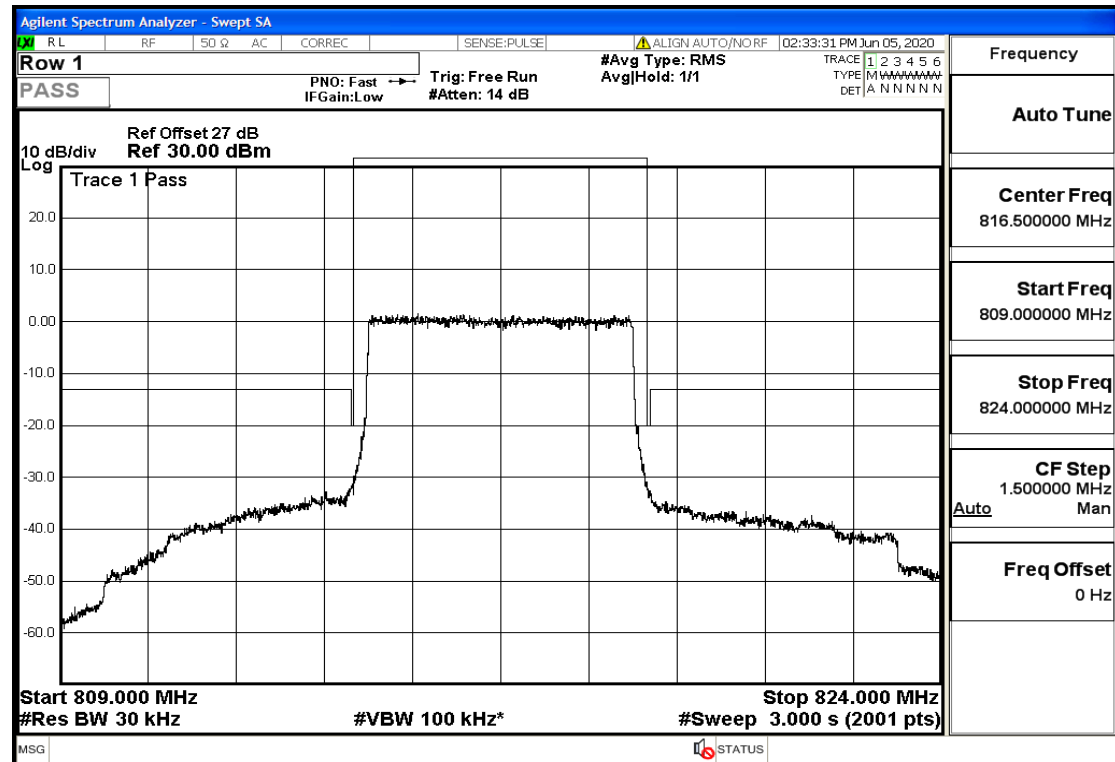
Band26A-5-816.5-16QAM-25#LOW@Pass



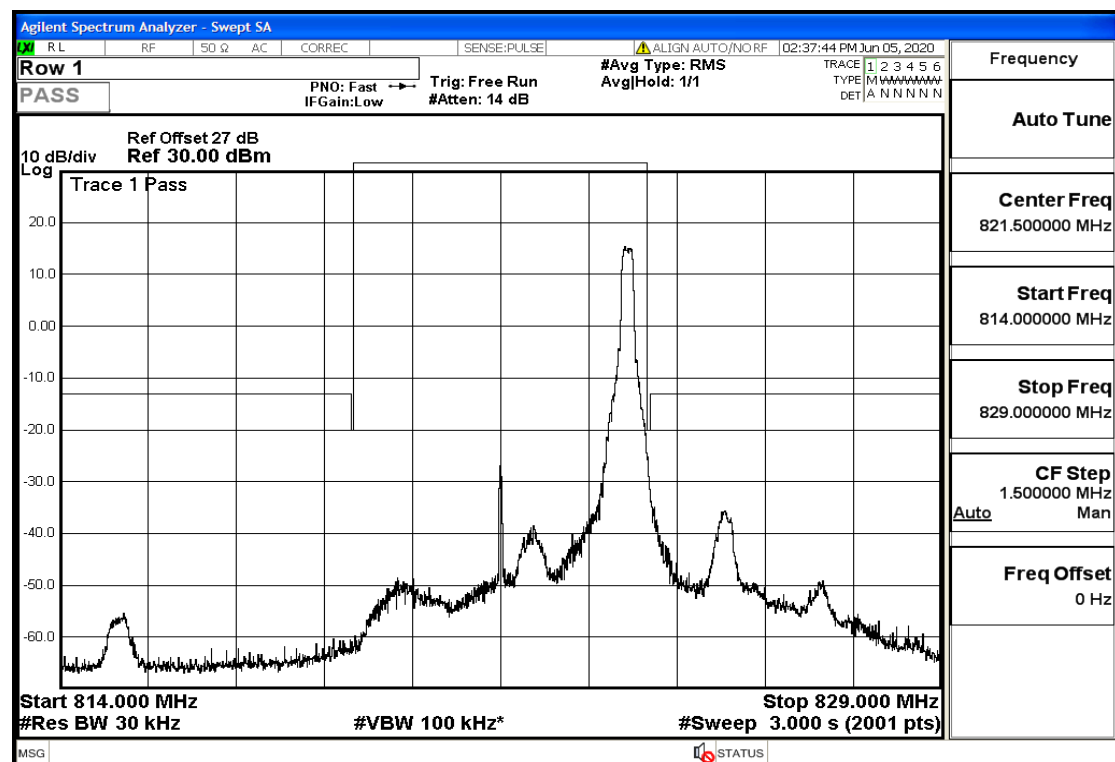
Band26A-5-816.5-QPSK-1#LOW@Pass



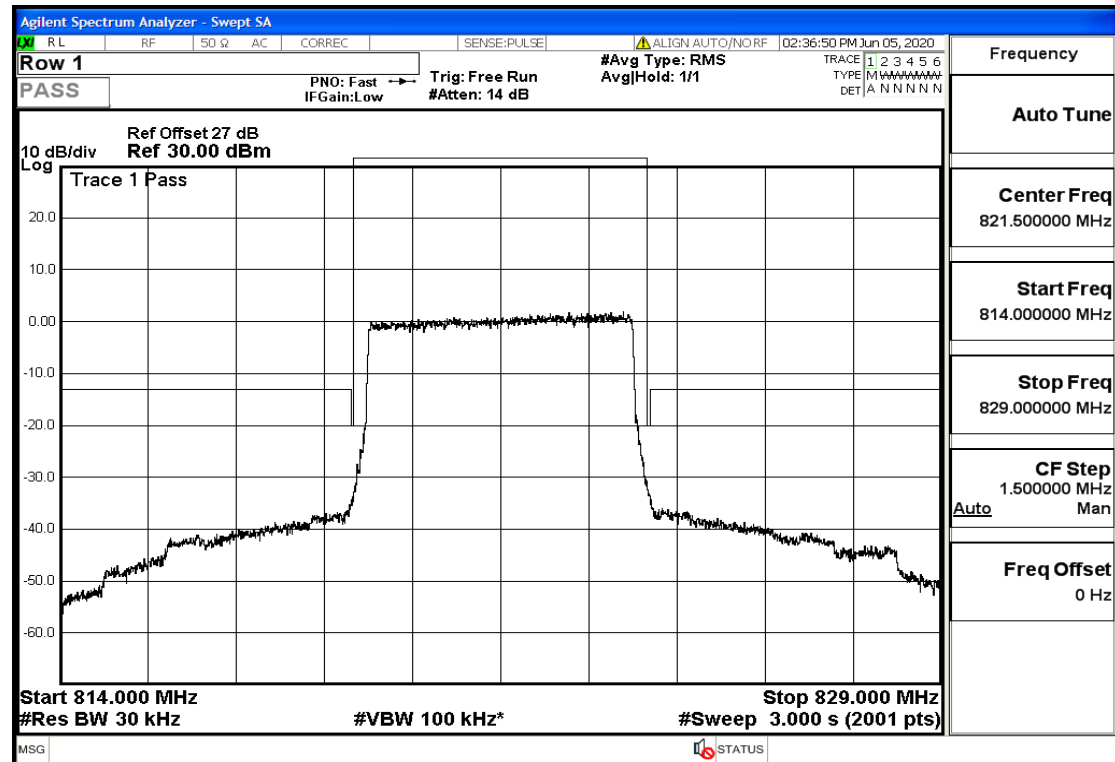
Band26A-5-816.5-QPSK-25#LOW@Pass



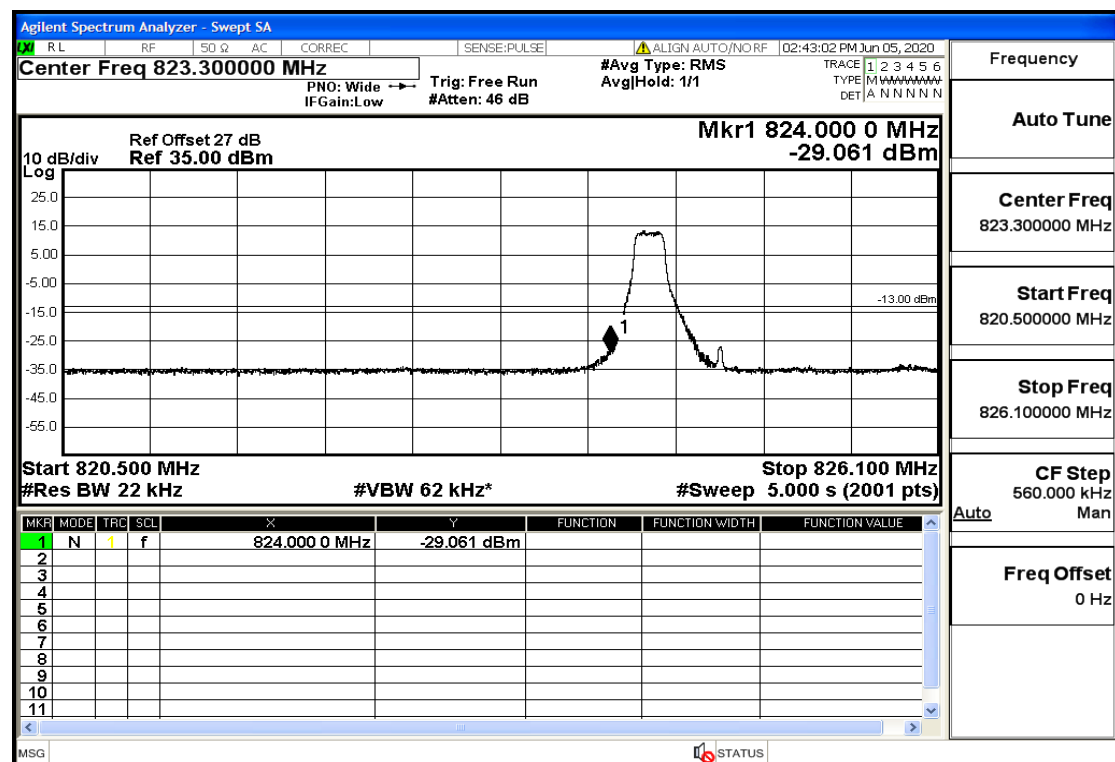
Band26A-5-821.5-QPSK-1#HIGH@Pass



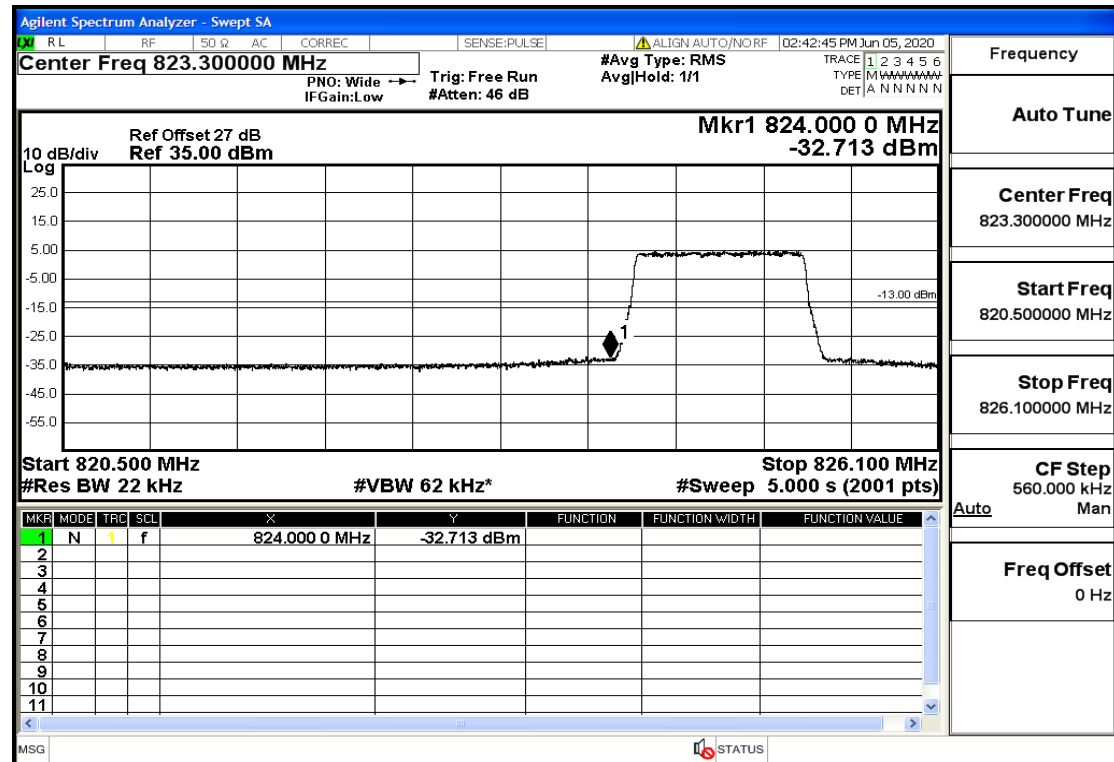
Band26A-5-821.5-QPSK-25#LOW@Pass



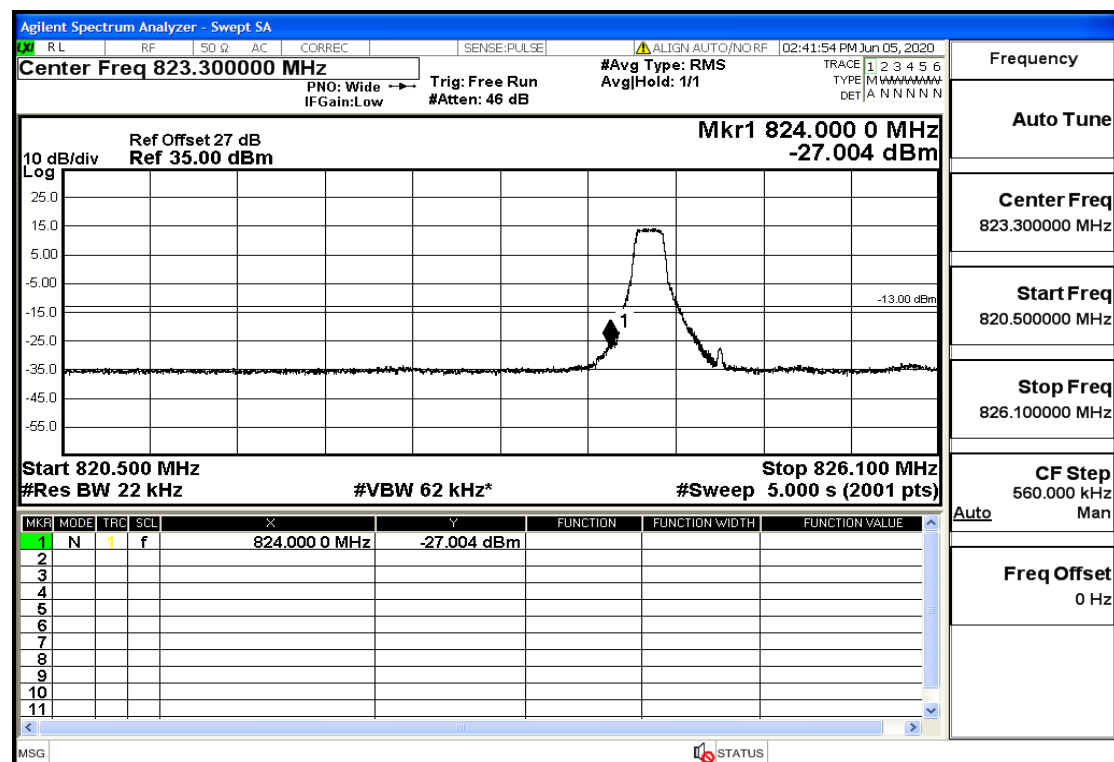
Band26B-1.4-824.7-16QAM-1#LOW@Pass



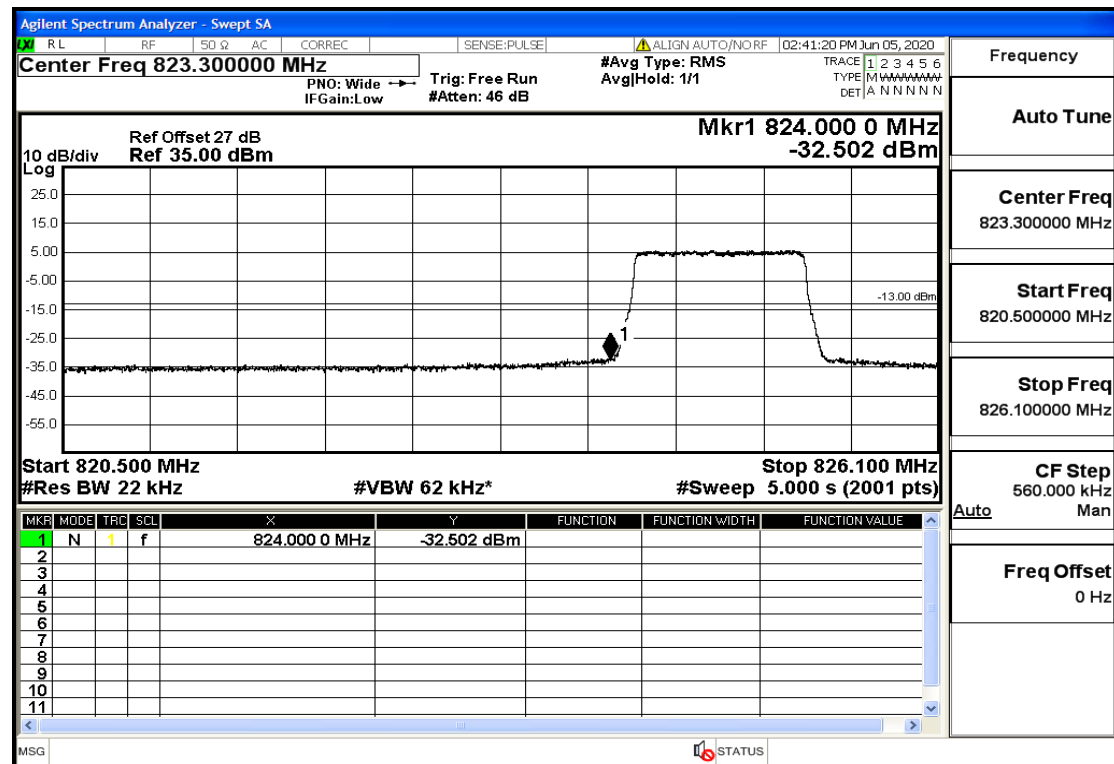
Band26B-1.4-824.7-16QAM-6#LOW@Pass



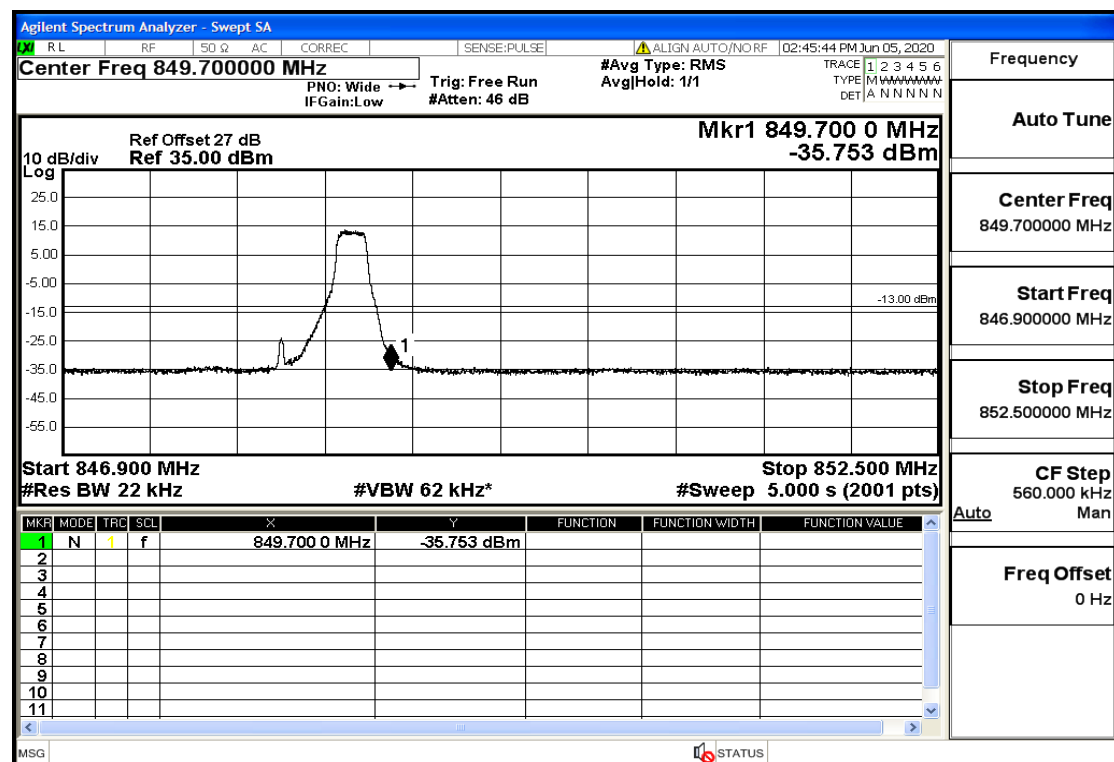
Band26B-1.4-824.7-QPSK-1#LOW@Pass



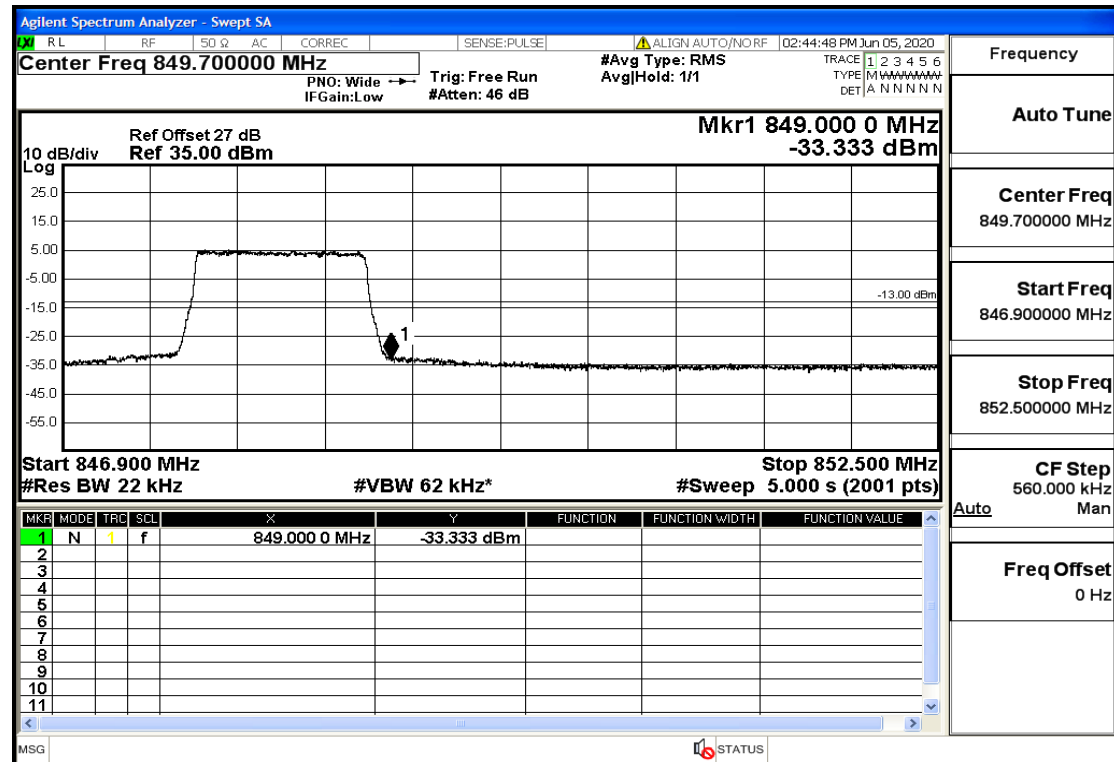
Band26B-1.4-824.7-QPSK-6#LOW@Pass



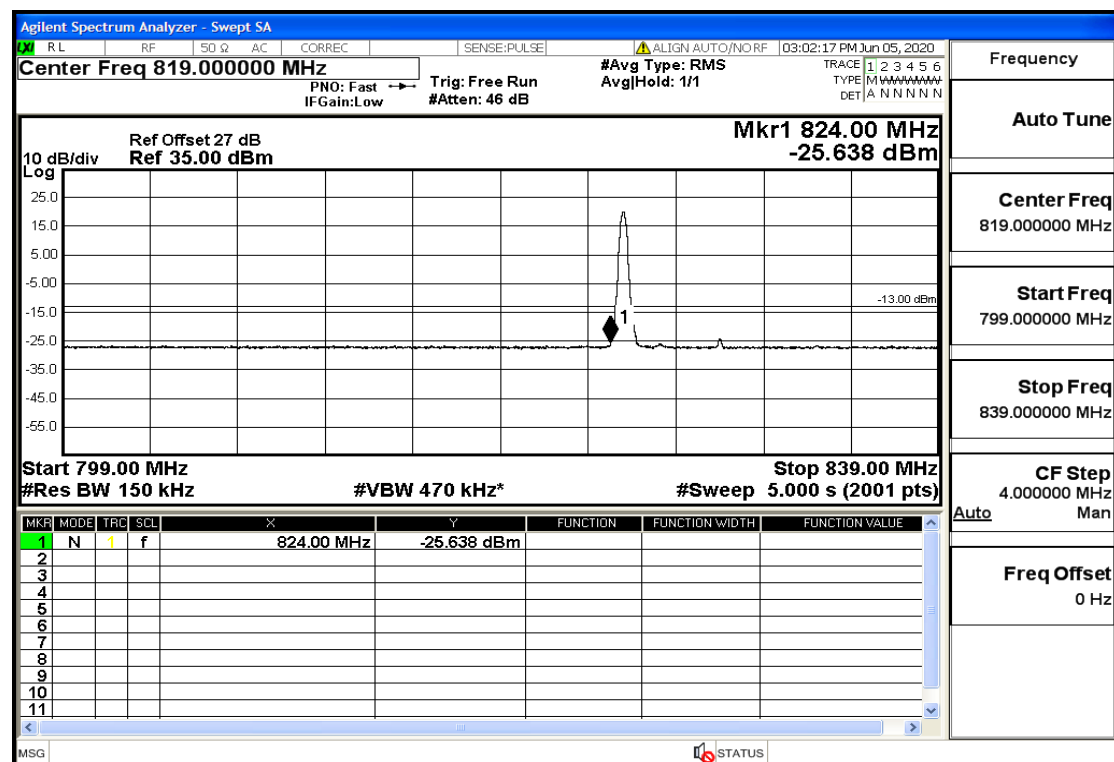
Band26B-1.4-848.3-QPSK-1#HIGH@Pass



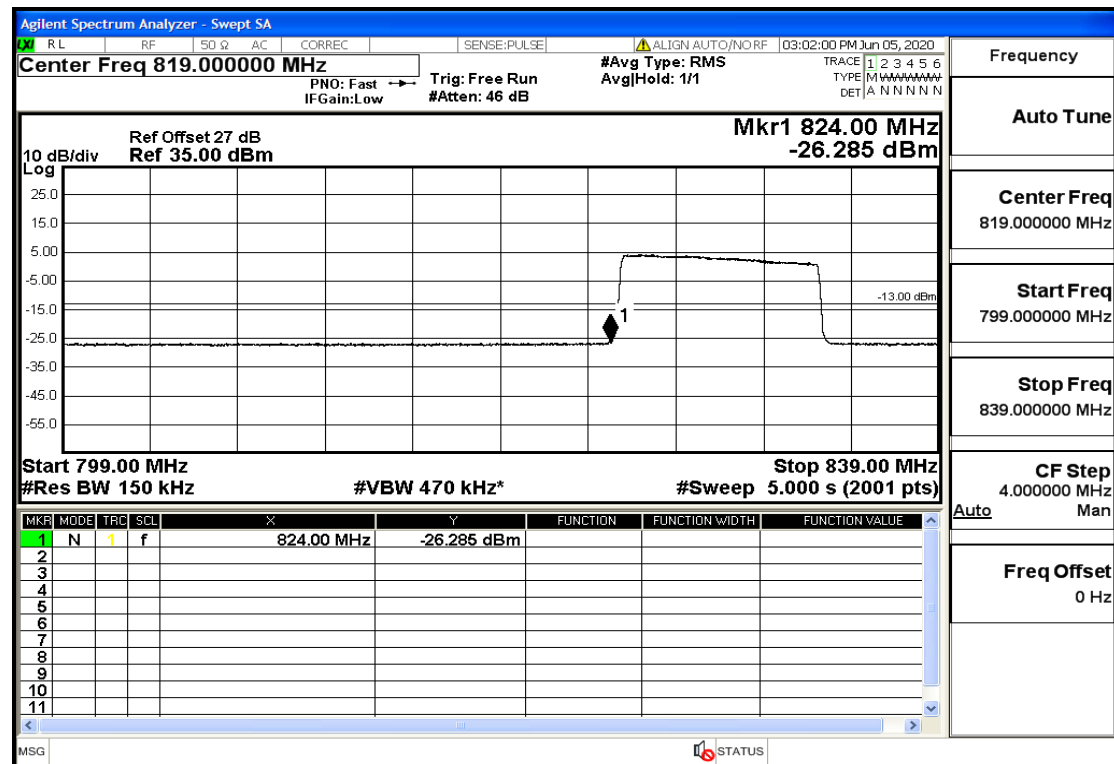
Band26B-1.4-848.3-QPSK-6#LOW@Pass



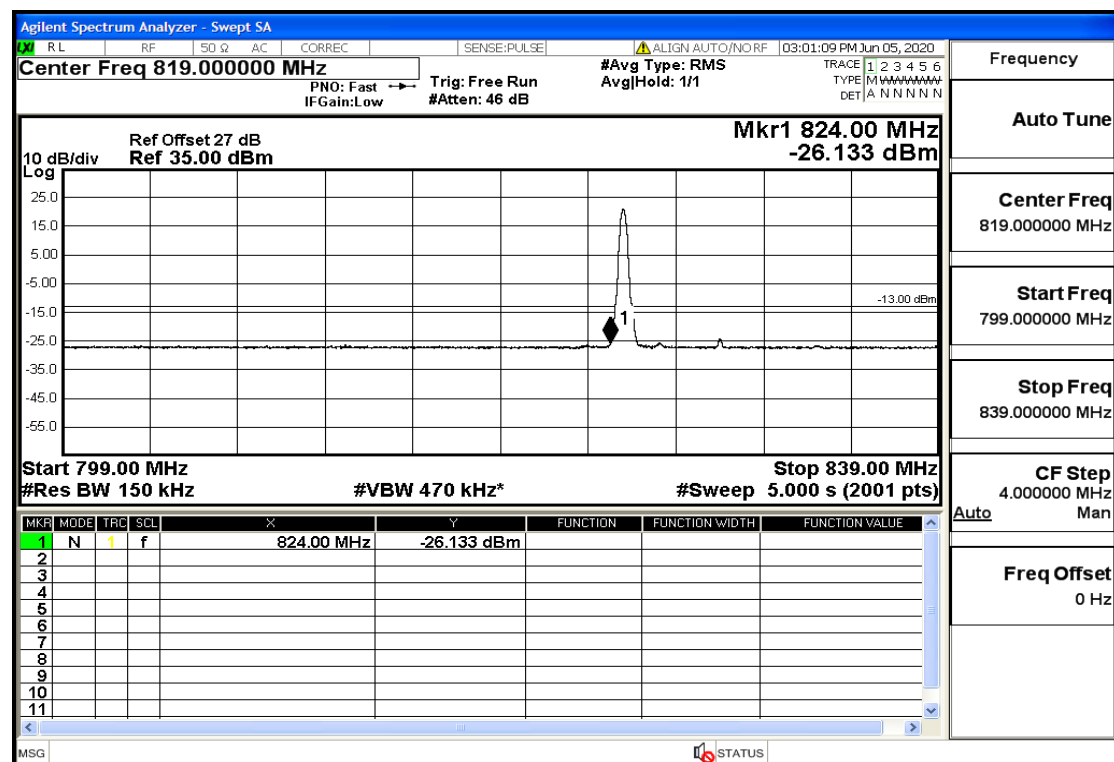
Band26B-10-829-16QAM-1#LOW@Pass



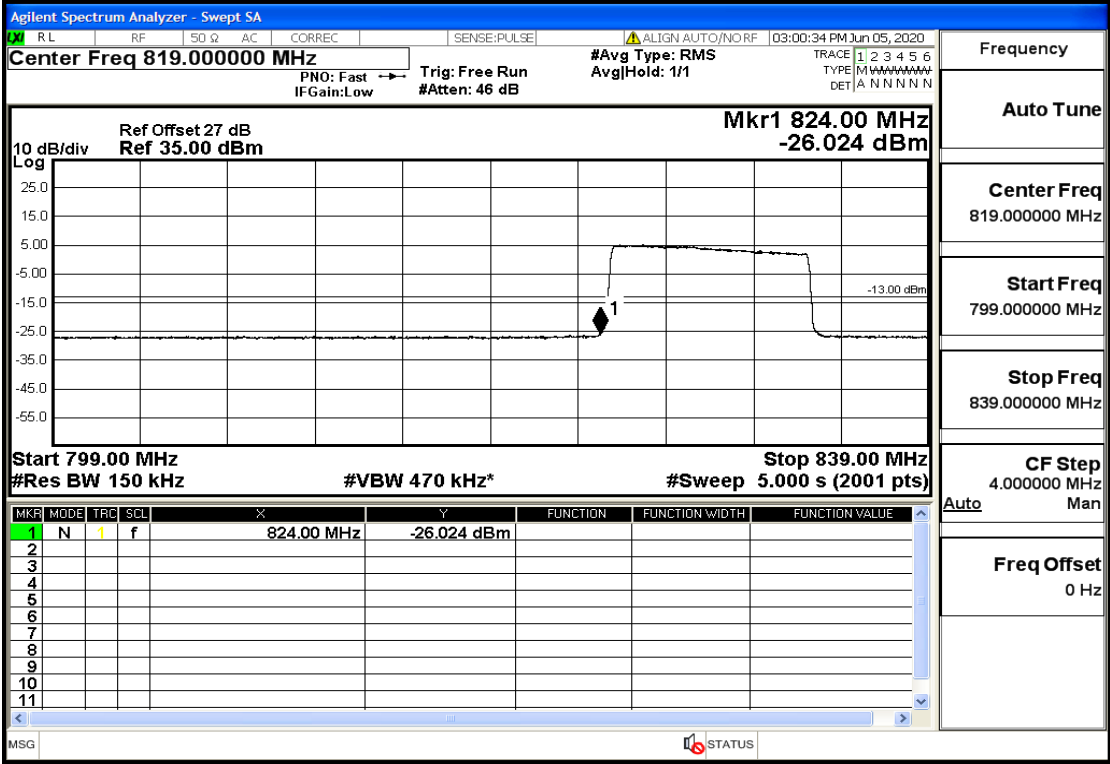
Band26B-10-829-16QAM-50#LOW@Pass



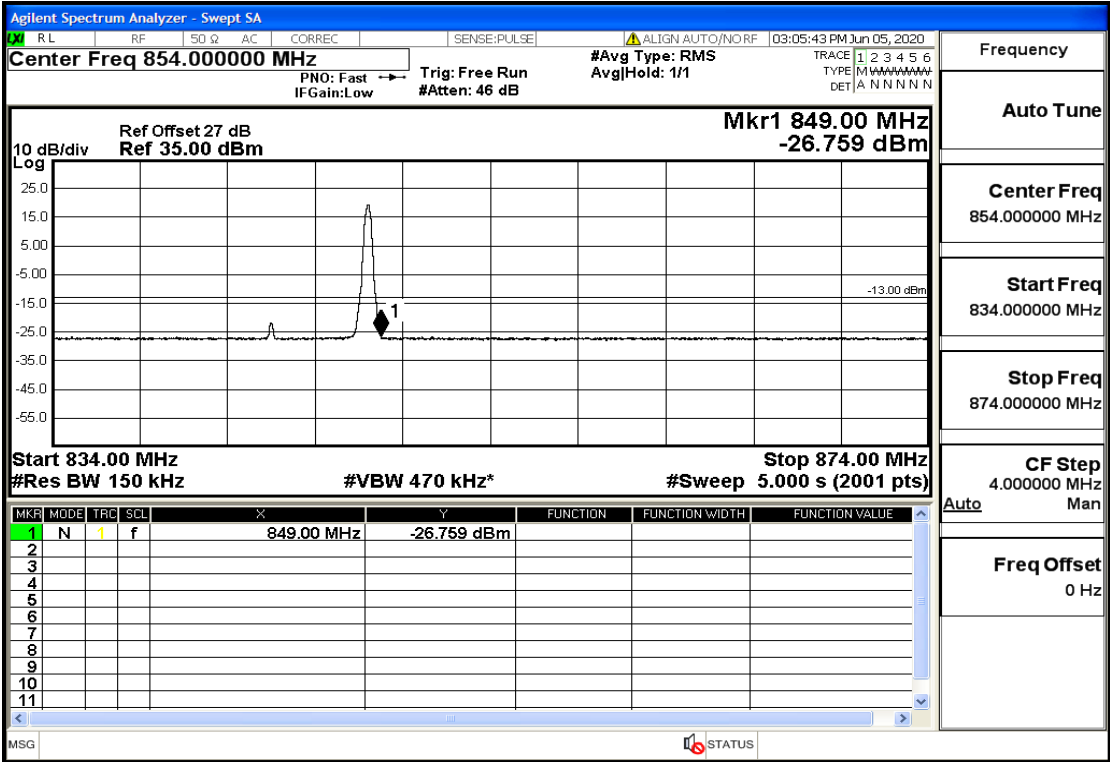
Band26B-10-829-QPSK-1#LOW@Pass



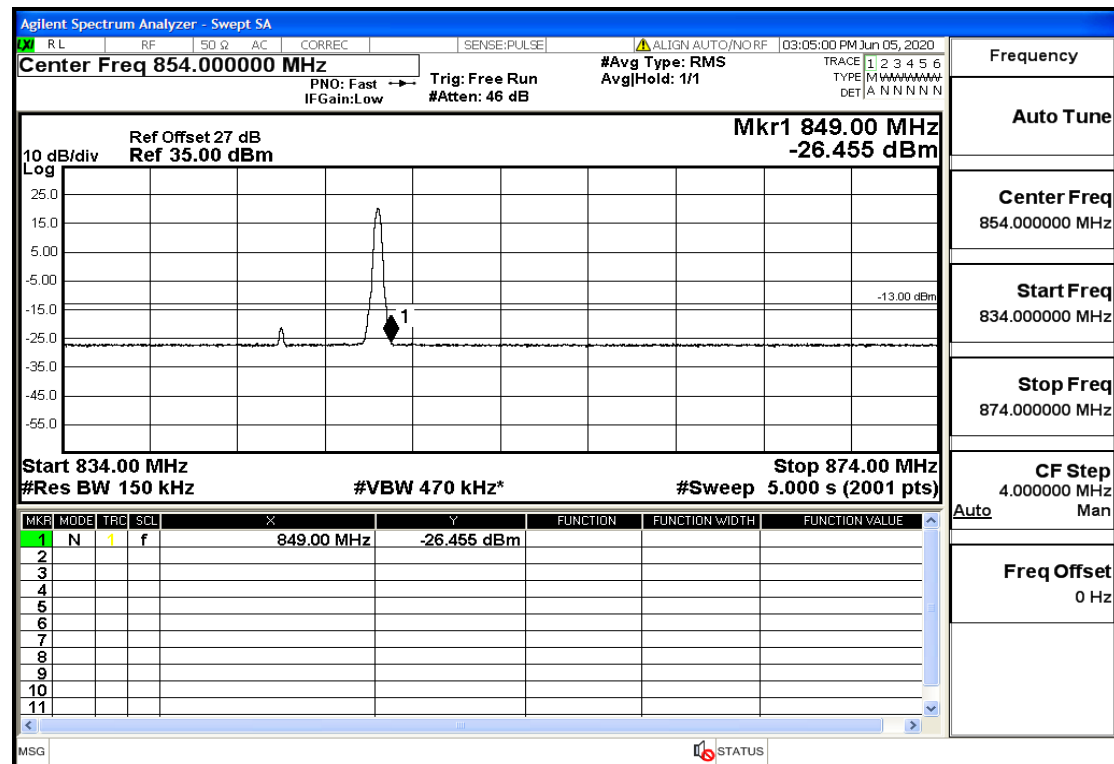
Band26B-10-829-QPSK-50#LOW@Pass



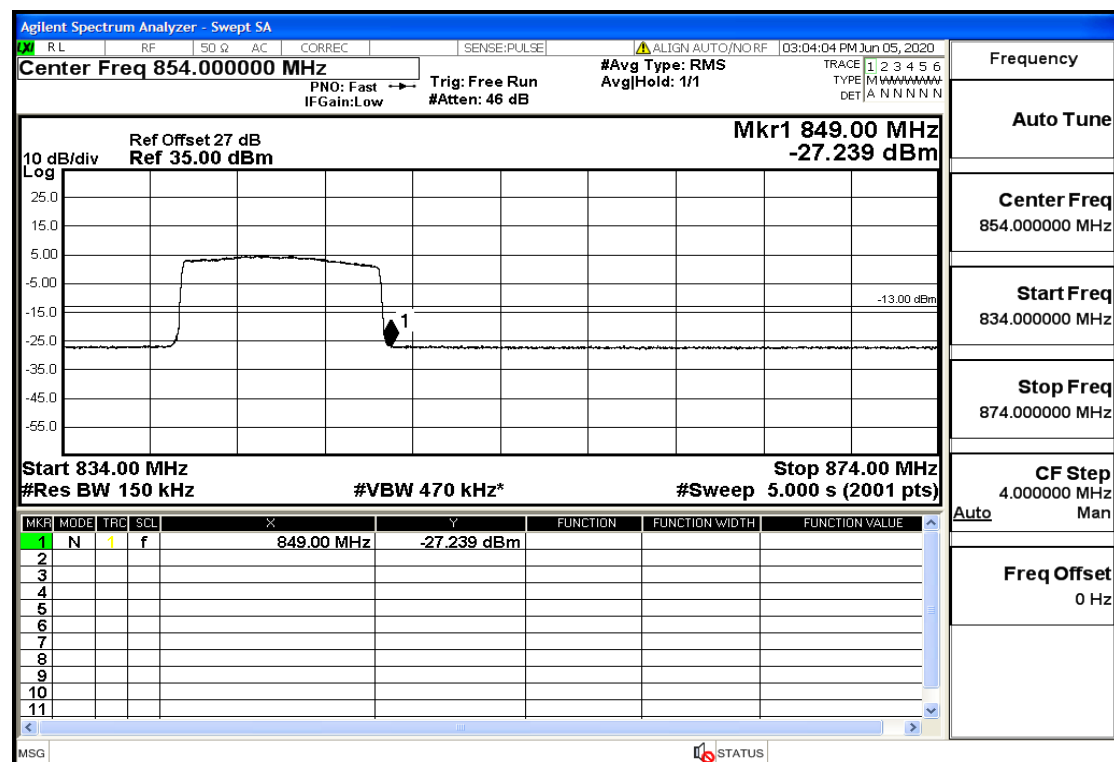
Band26B-10-844-16QAM-1#HIGH@Pass



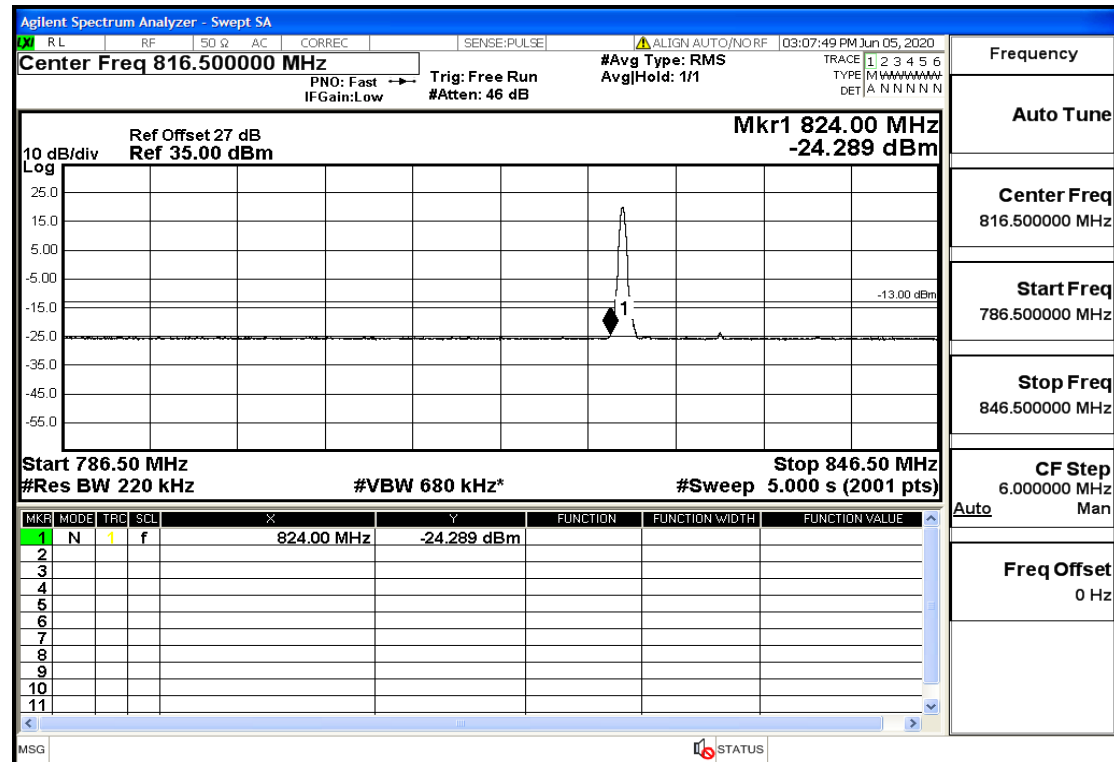
Band26B-10-844-QPSK-1#HIGH@Pass



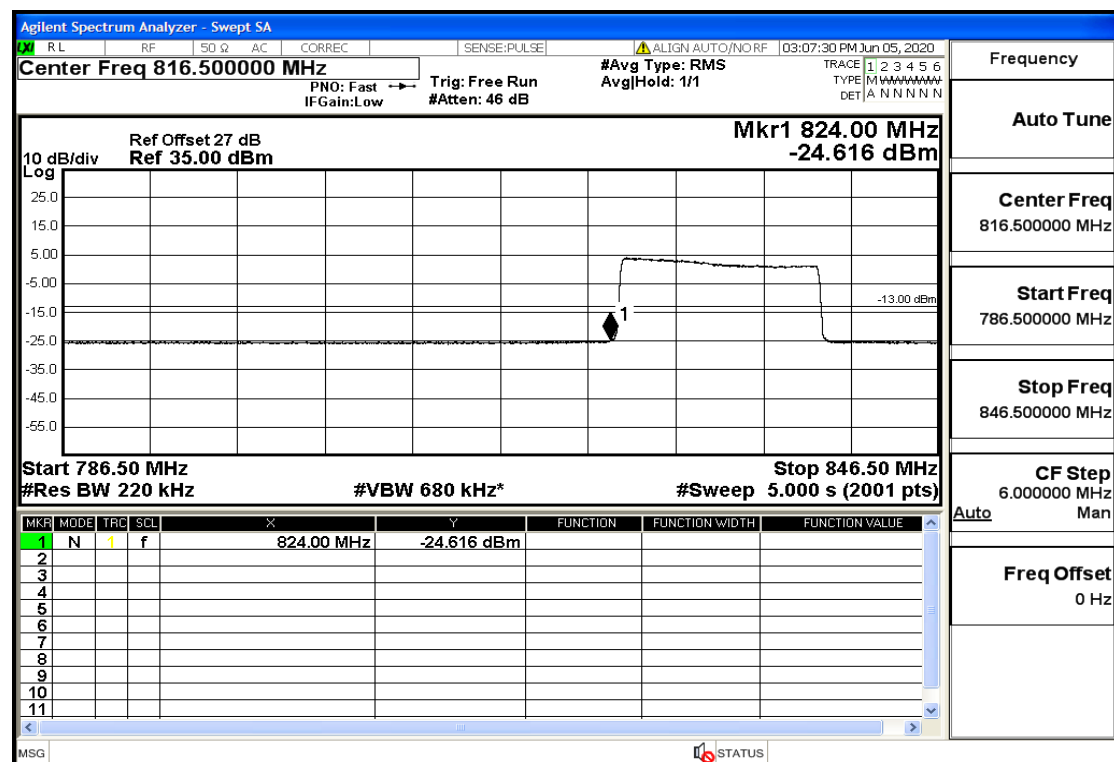
Band26B-10-844-QPSK-50#LOW@Pass



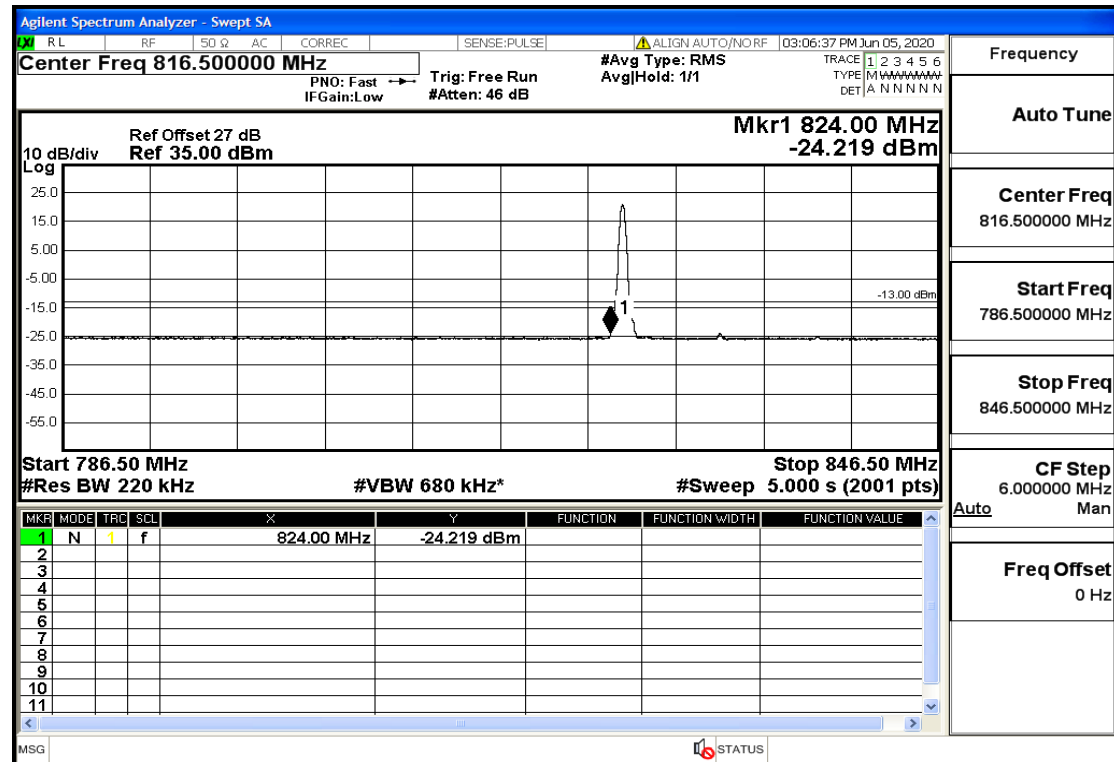
Band26B-15-831.5-16QAM-1#LOW@Pass



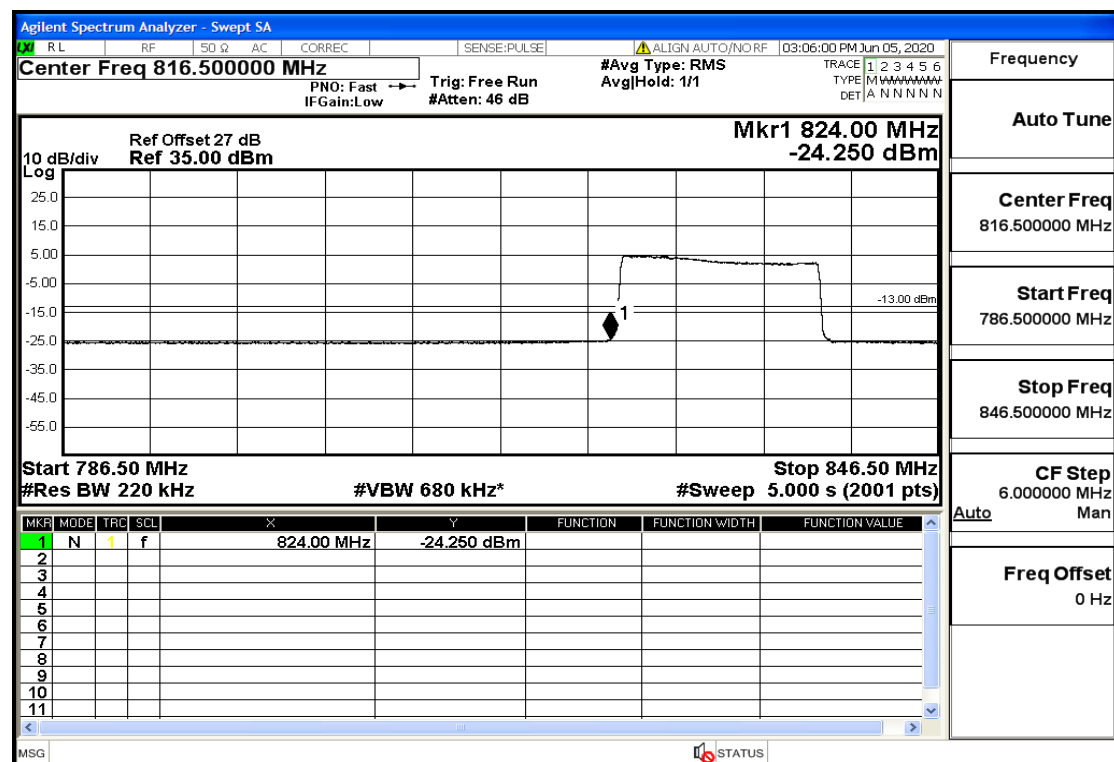
Band26B-15-831.5-16QAM-75#LOW@Pass



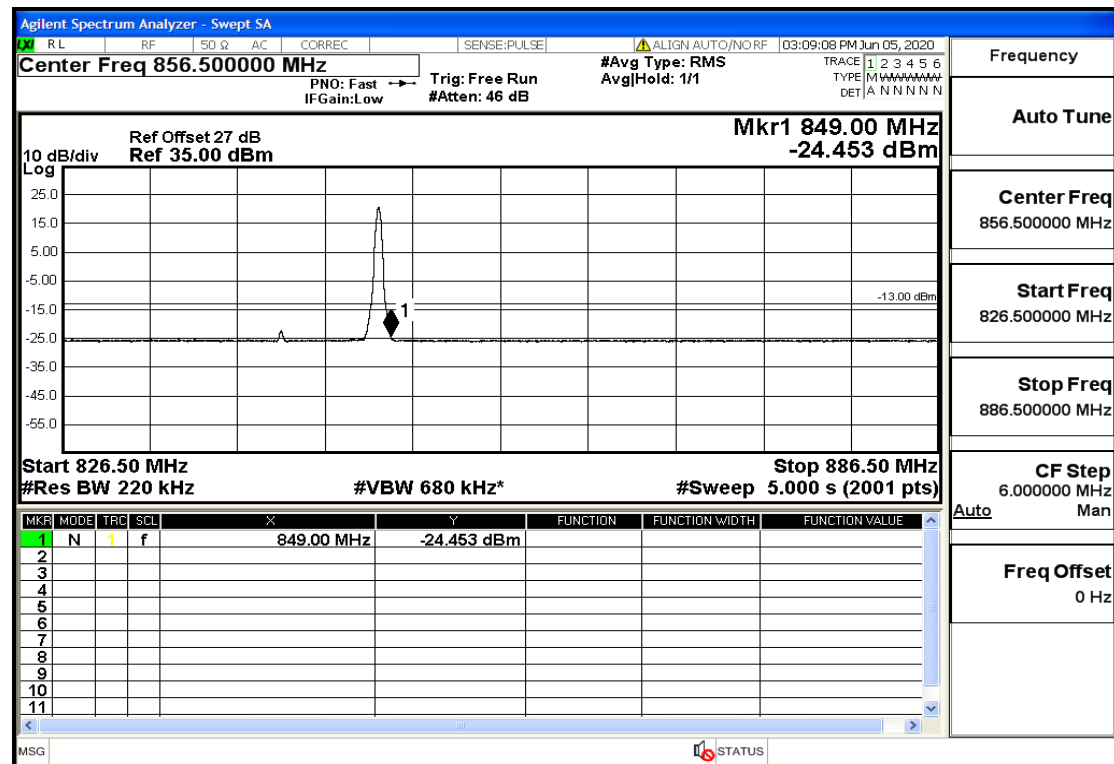
Band26B-15-831.5-QPSK-1#LOW@Pass



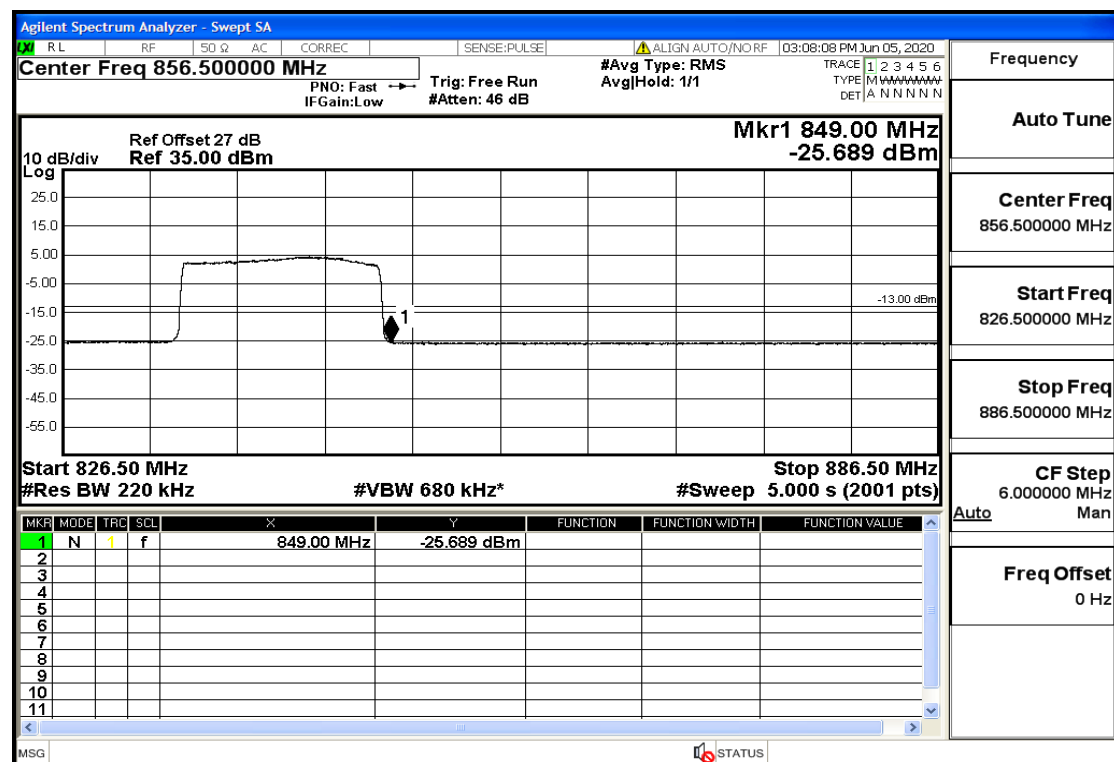
Band26B-15-831.5-QPSK-75#LOW@Pass



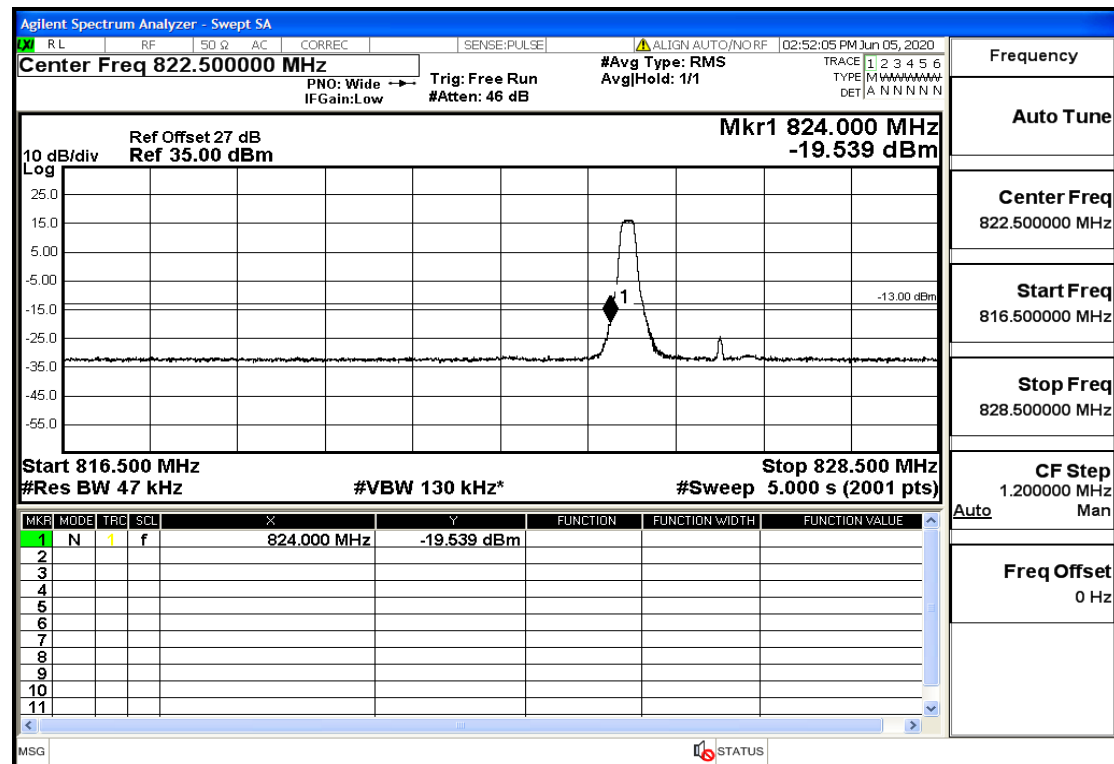
Band26B-15-841.5-QPSK-1#HIGH@Pass



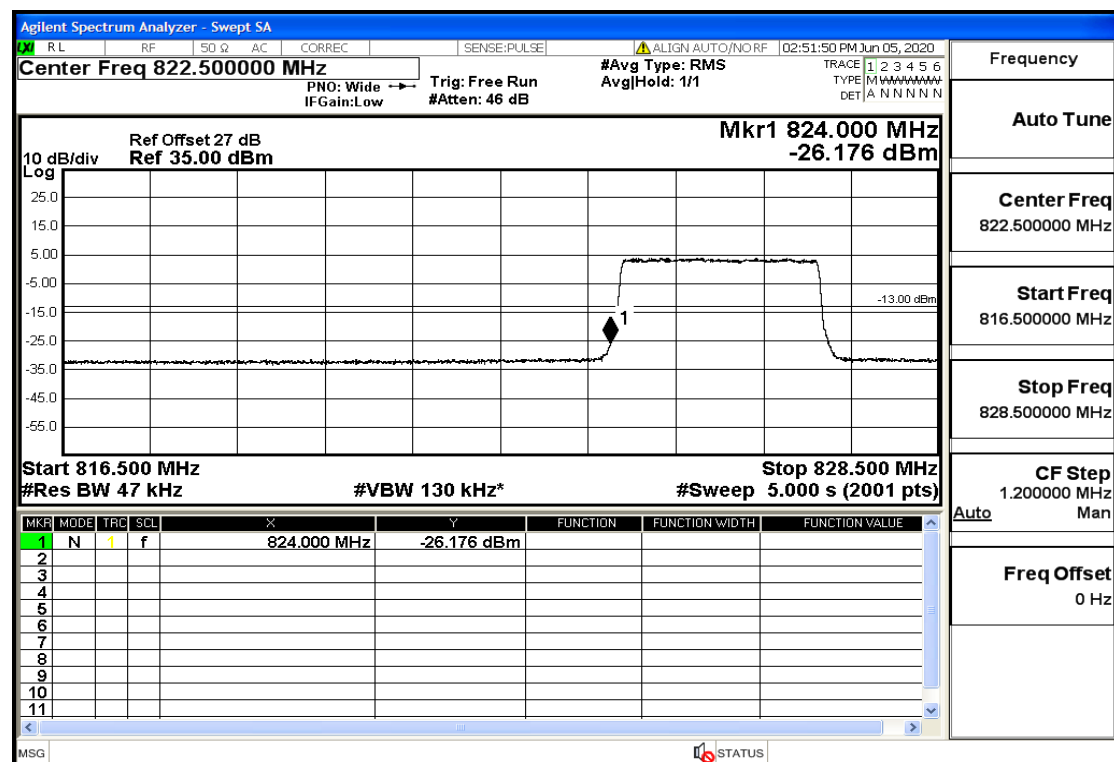
Band26B-15-841.5-QPSK-75#LOW@Pass



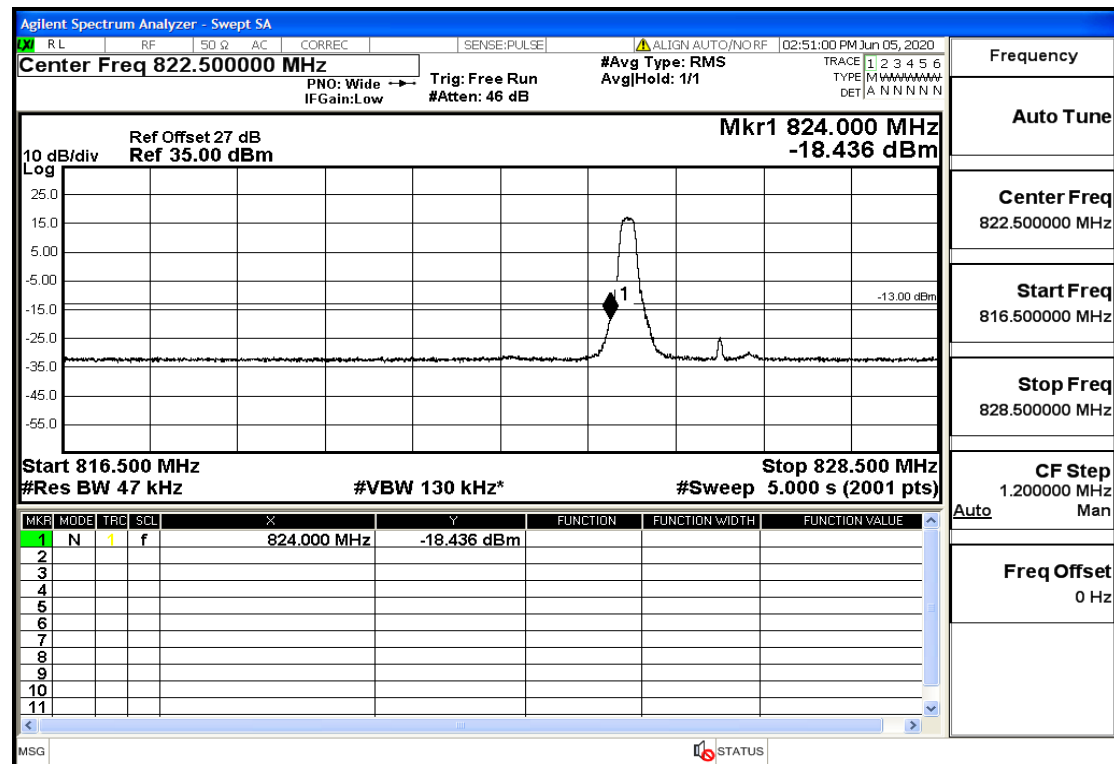
Band26B-3-825.5-16QAM-1#LOW@Pass



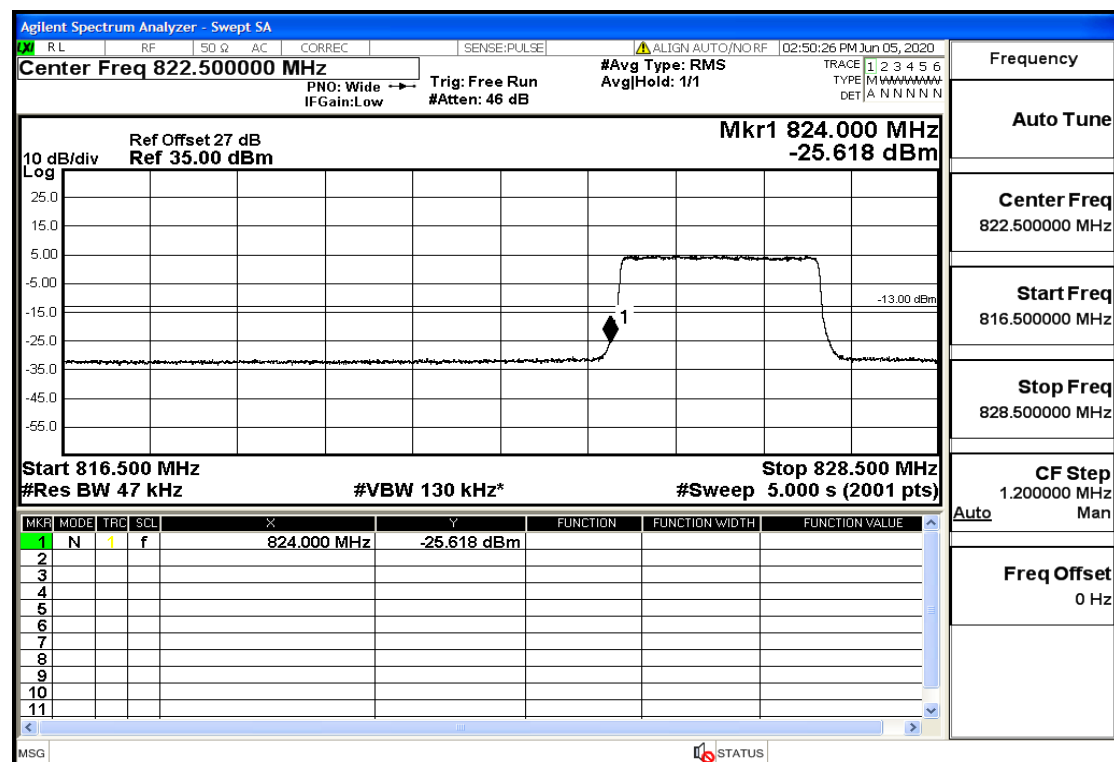
Band26B-3-825.5-16QAM-15#LOW@Pass



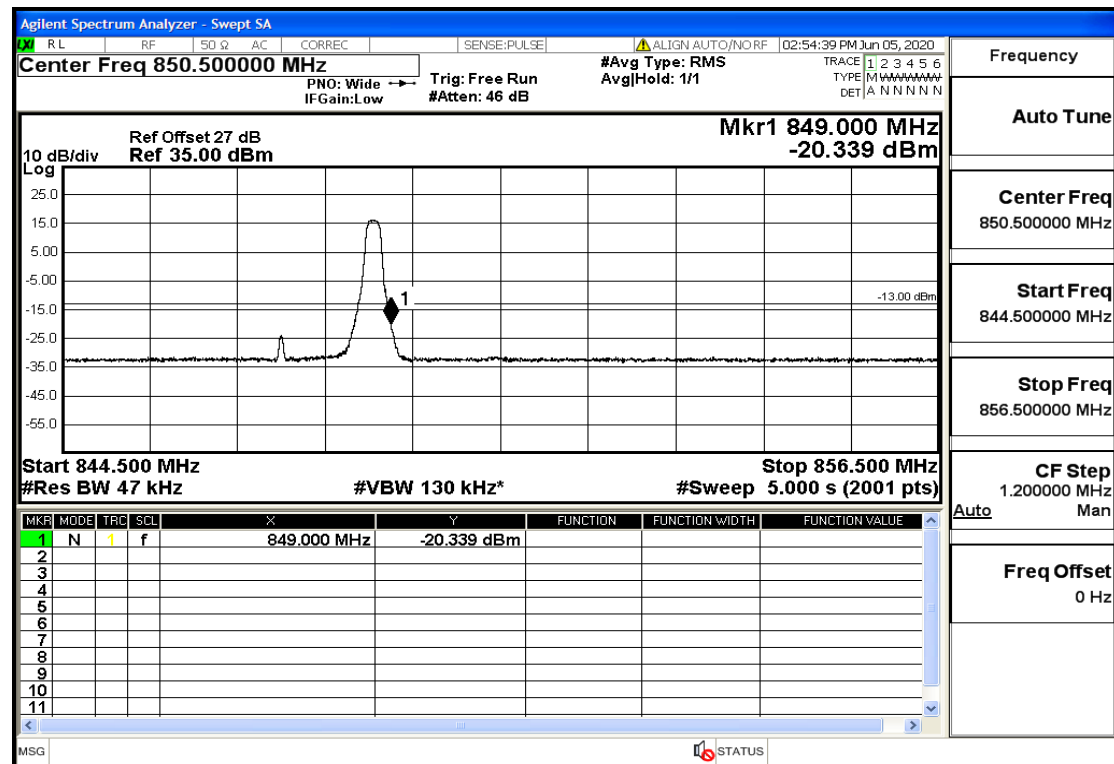
Band26B-3-825.5-QPSK-1#LOW@Pass



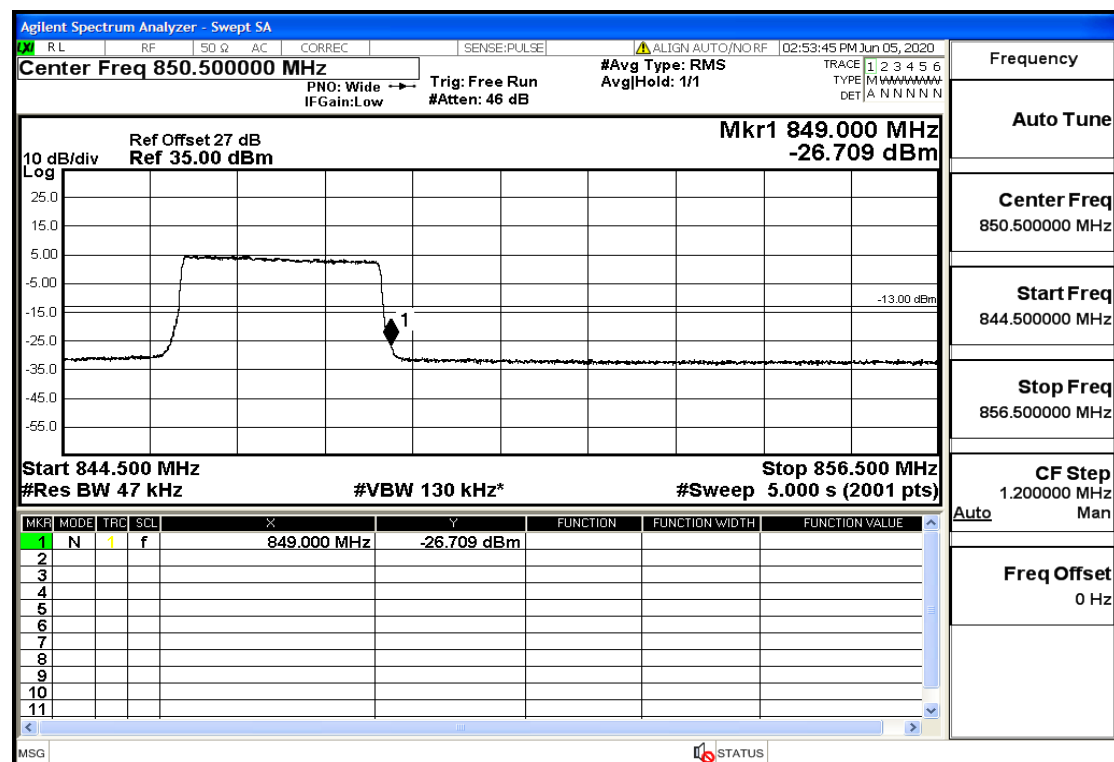
Band26B-3-825.5-QPSK-15#LOW@Pass



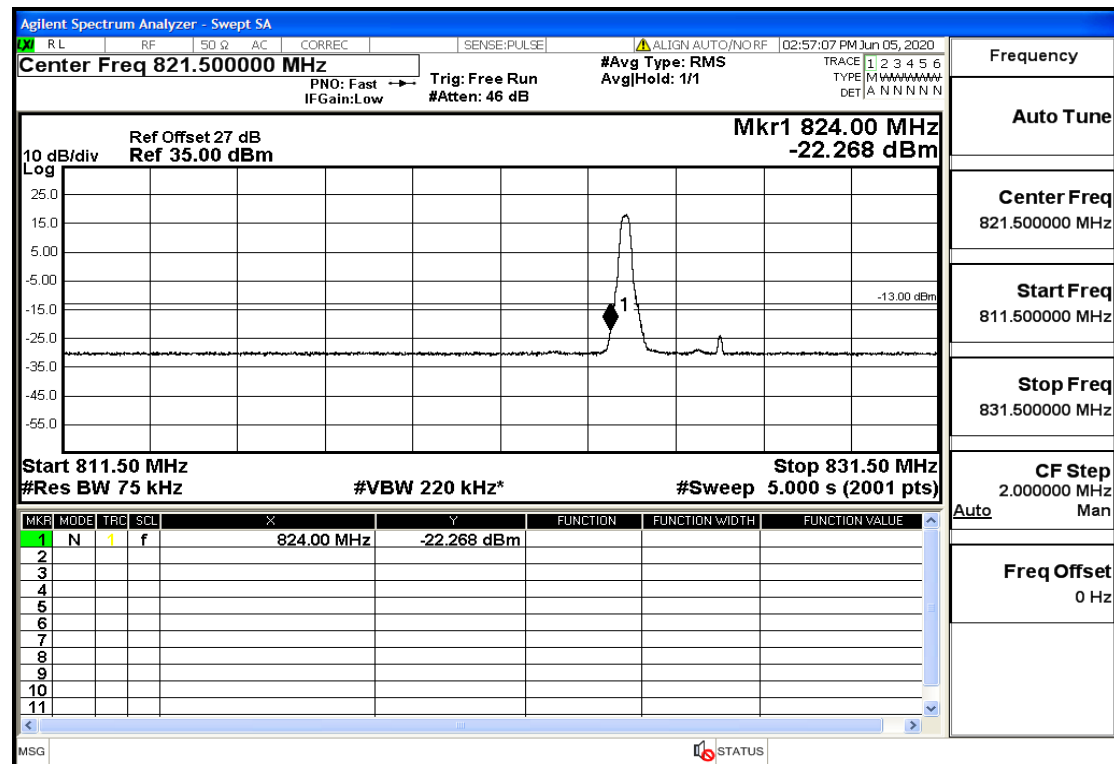
Band26B-3-847.5-QPSK-1#HIGH@Pass



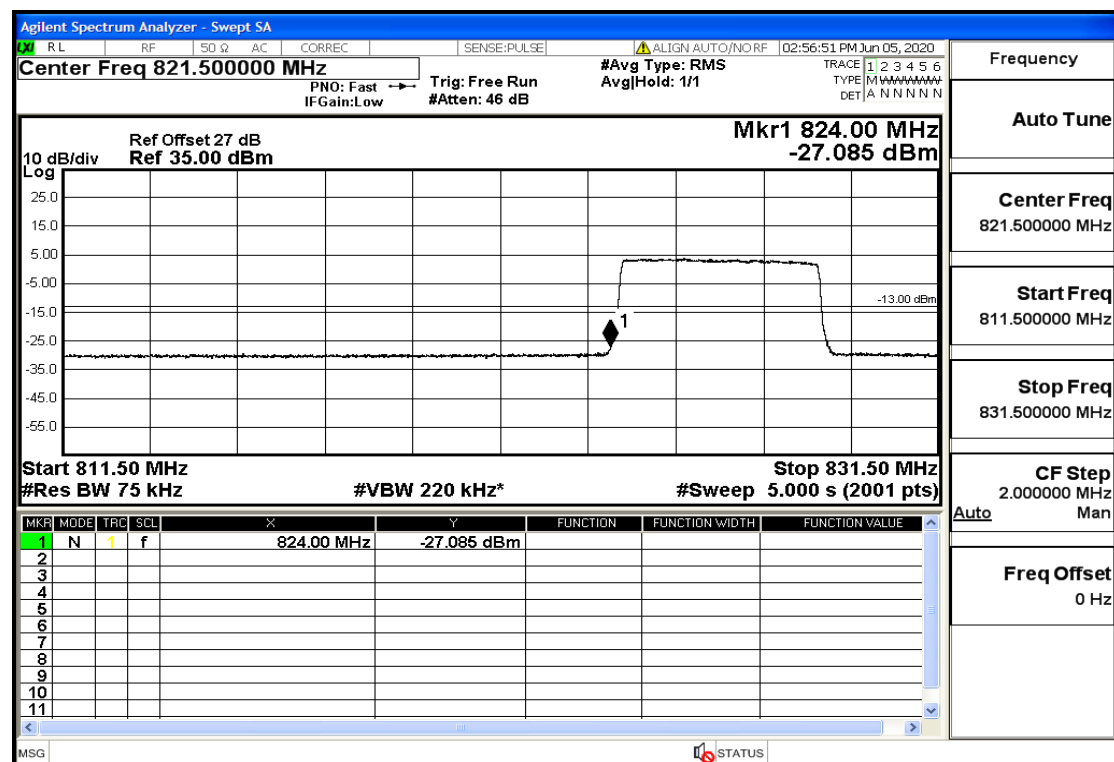
Band26B-3-847.5-QPSK-15#LOW@Pass



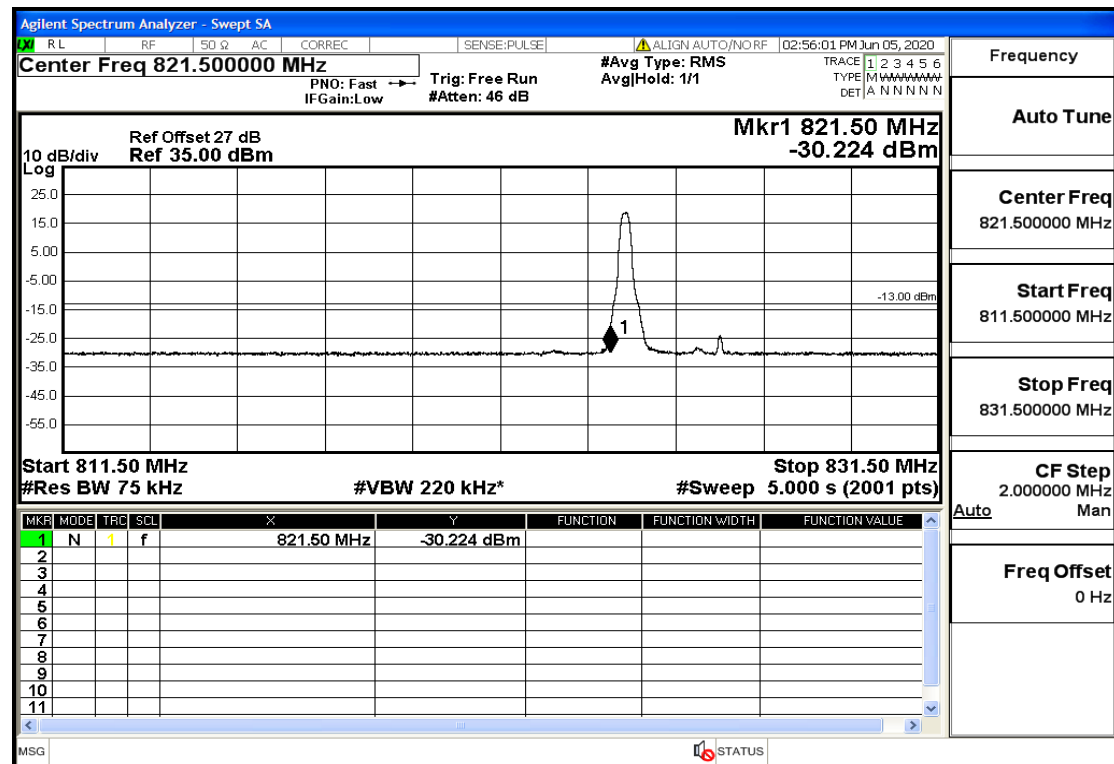
Band26B-5-826.5-16QAM-1#LOW@Pass



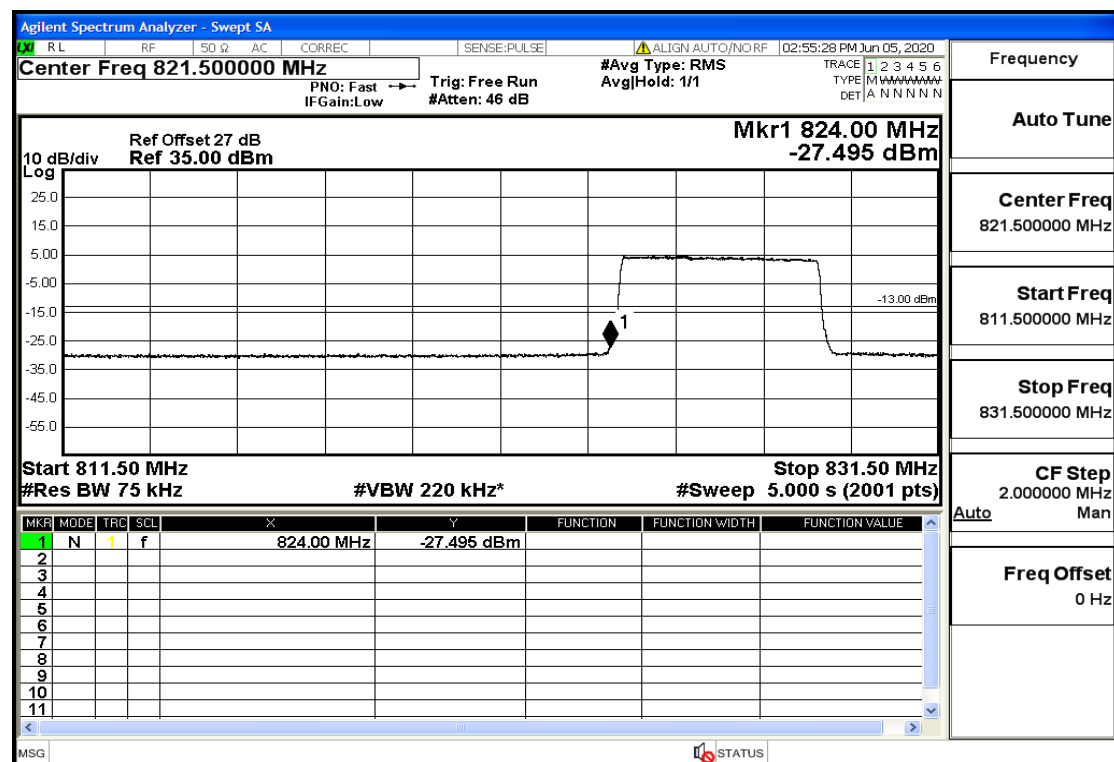
Band26B-5-826.5-16QAM-25#LOW@Pass



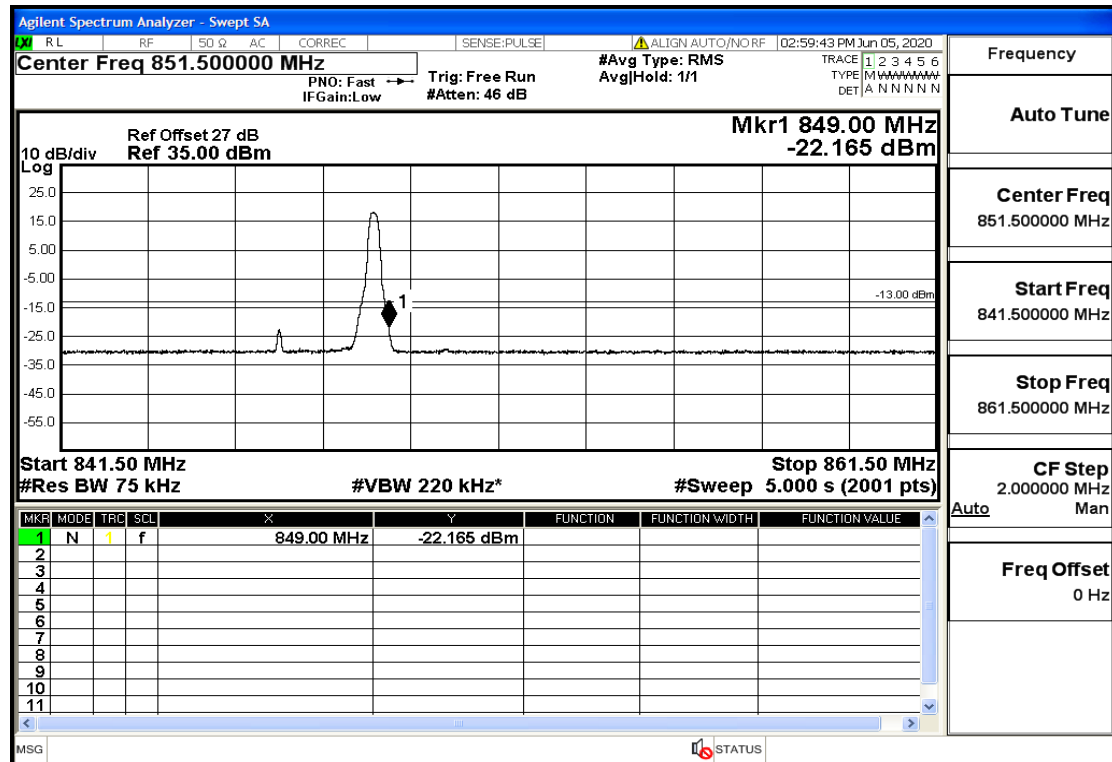
Band26B-5-826.5-QPSK-1#LOW@Pass



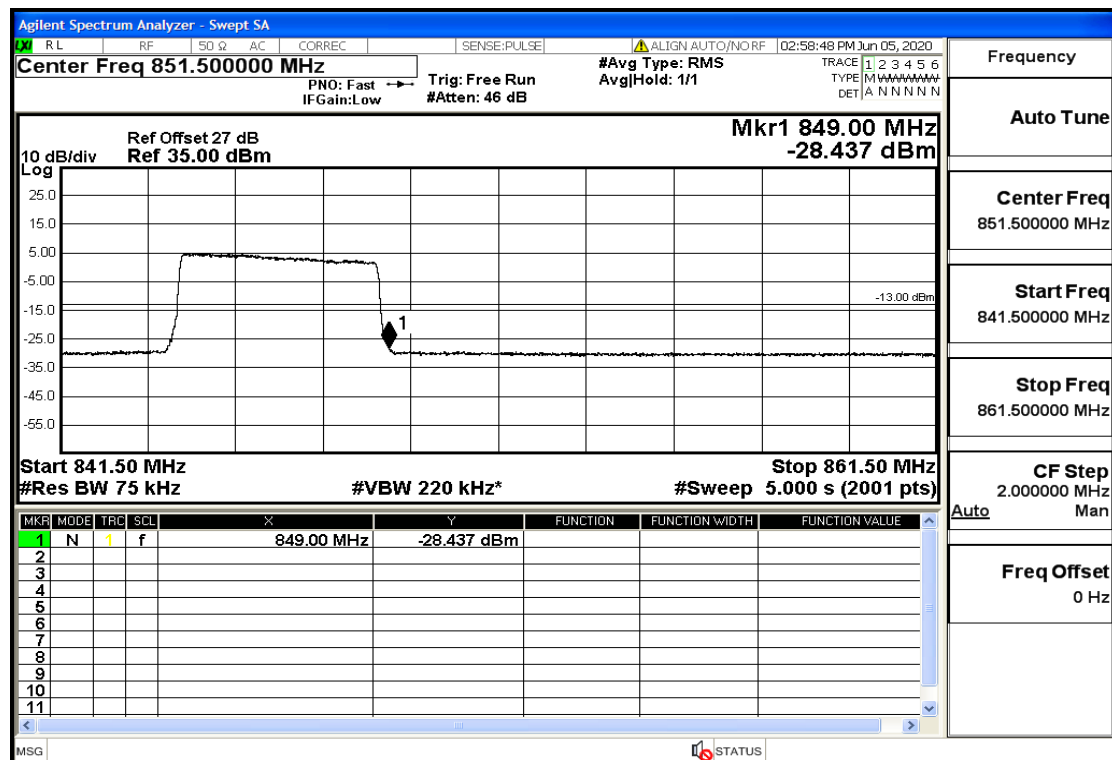
Band26B-5-826.5-QPSK-25#LOW@Pass



Band26B-5-846.5-QPSK-1#HIGH@Pass

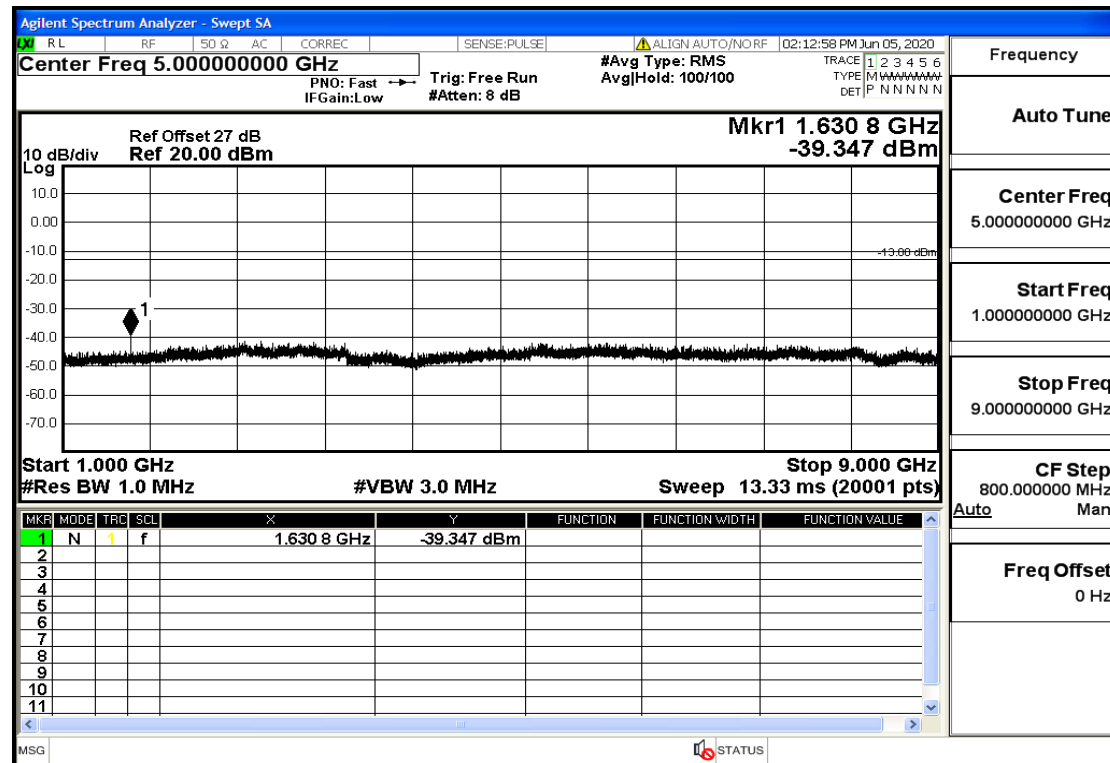


Band26B-5-846.5-QPSK-25#LOW@Pass

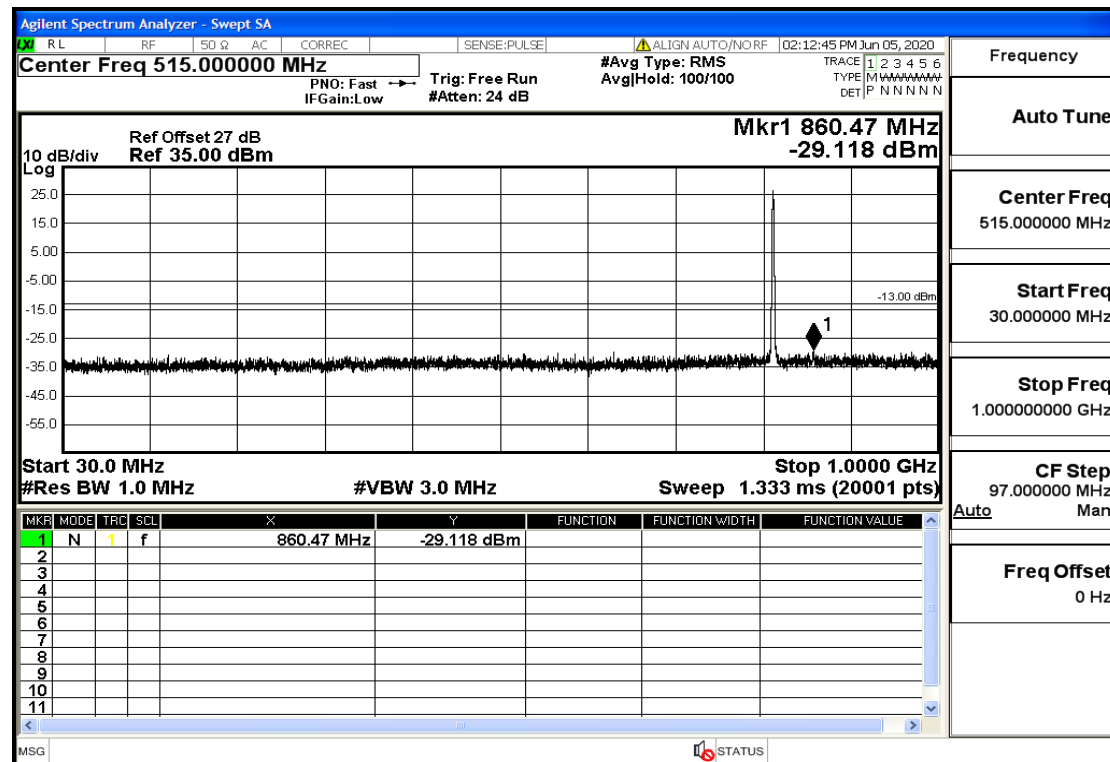


Conducted Spurious Emission

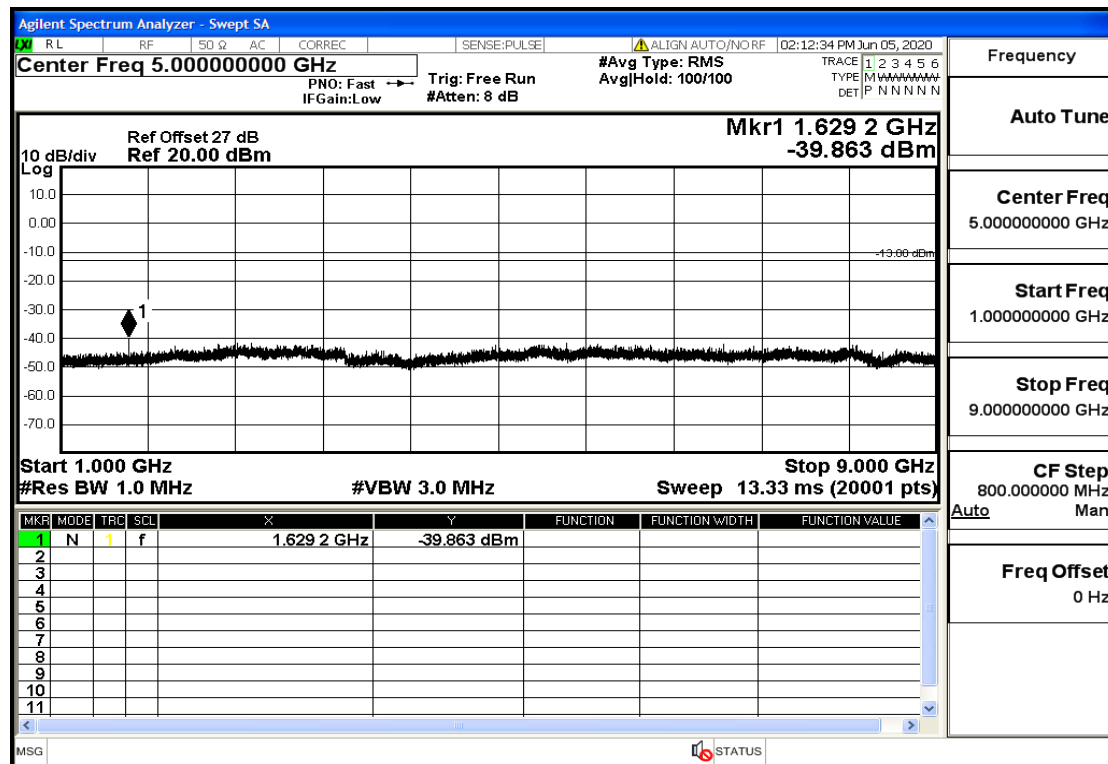
OB26A-1.4-814.7-QPSK-1#HIGH@1GHz-9GHz@Pass



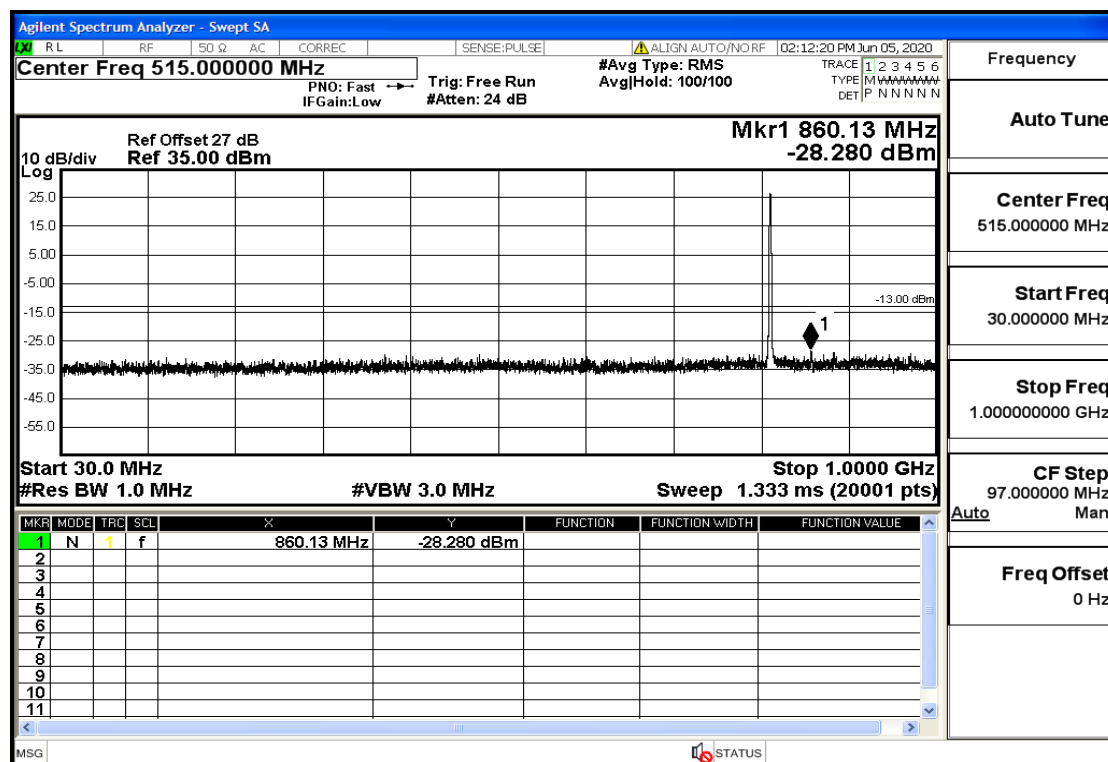
OB26A-1.4-814.7-QPSK-1#HIGH@30mHz-1GHz@Pass



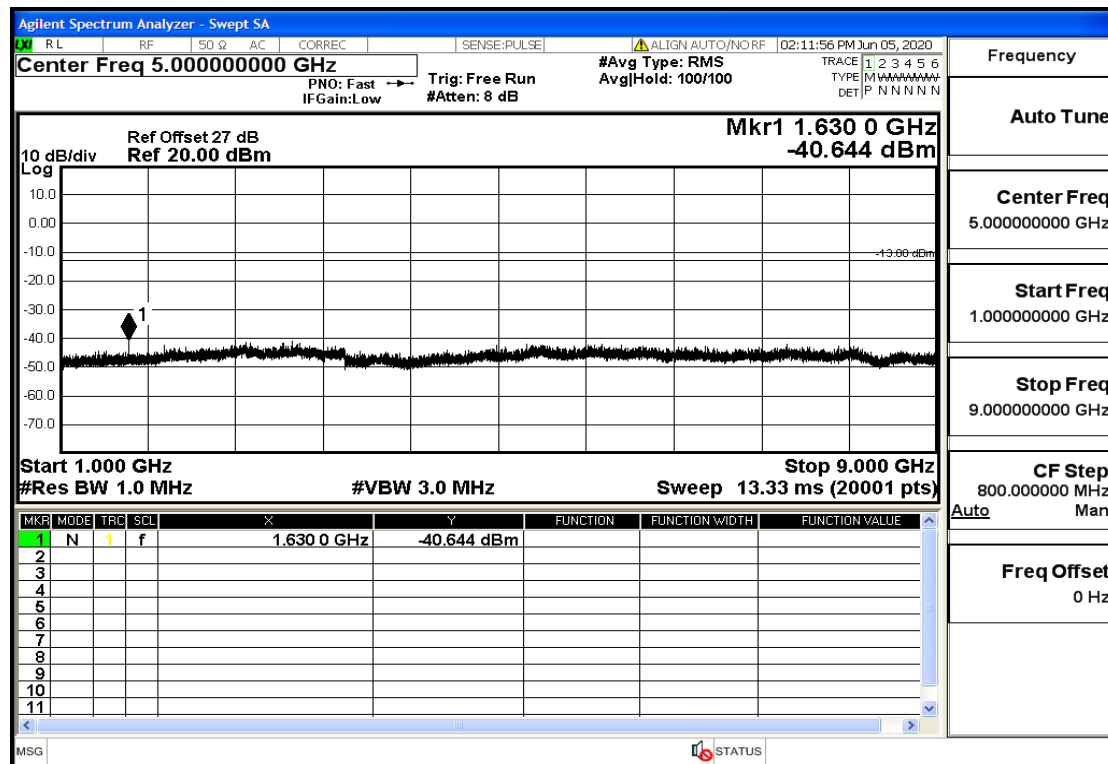
OB26A-1.4-814.7-QPSK-1#LOW@1GHz-9GHz@Pass



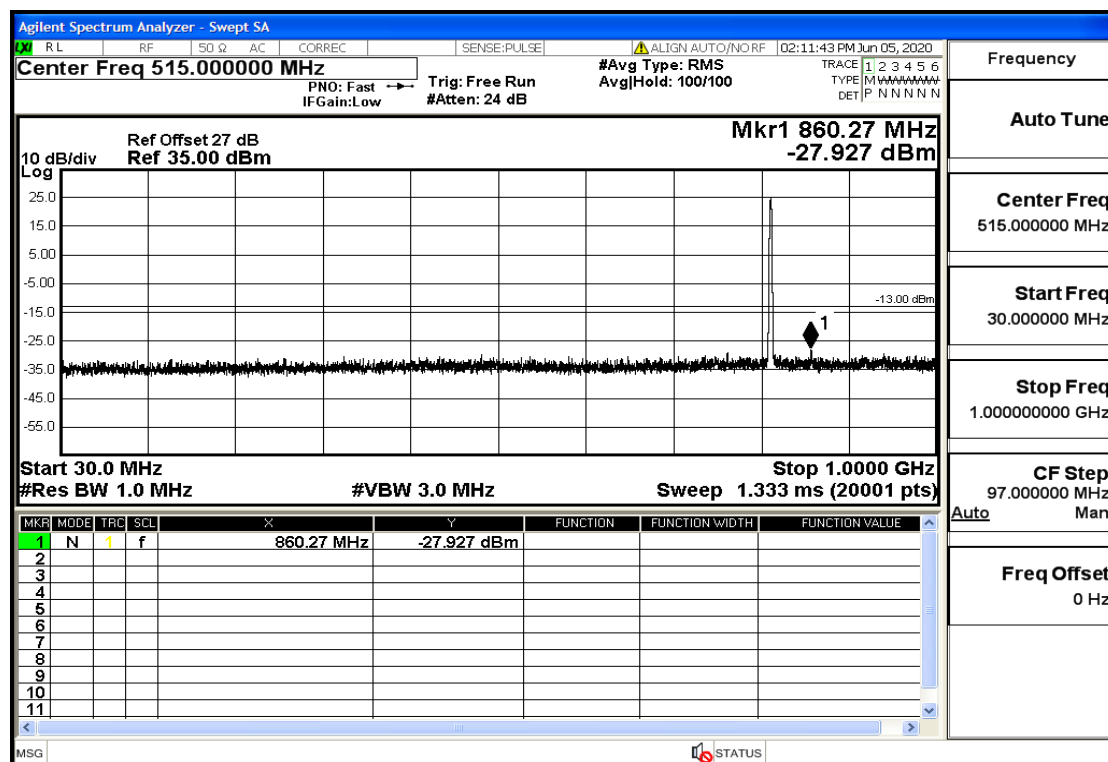
OB26A-1.4-814.7-QPSK-1#LOW@30mHz-1GHz@Pass



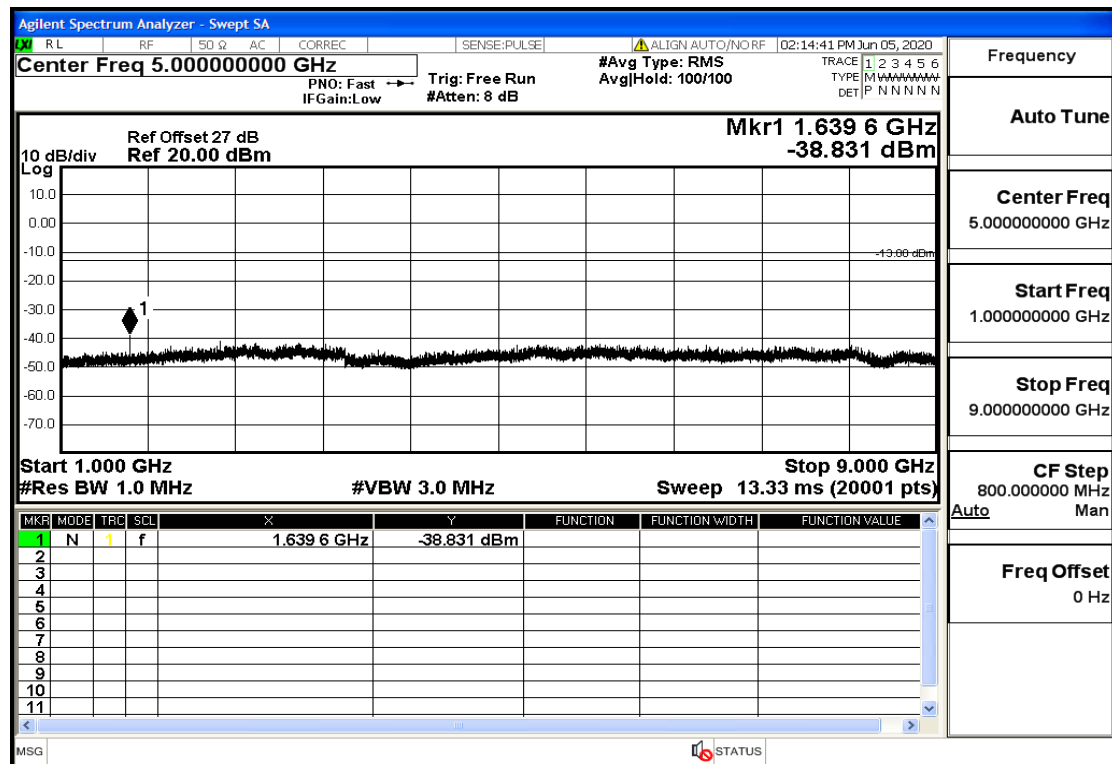
OB26A-1.4-814.7-QPSK-6#LOW@1GHz-9GHz@Pass



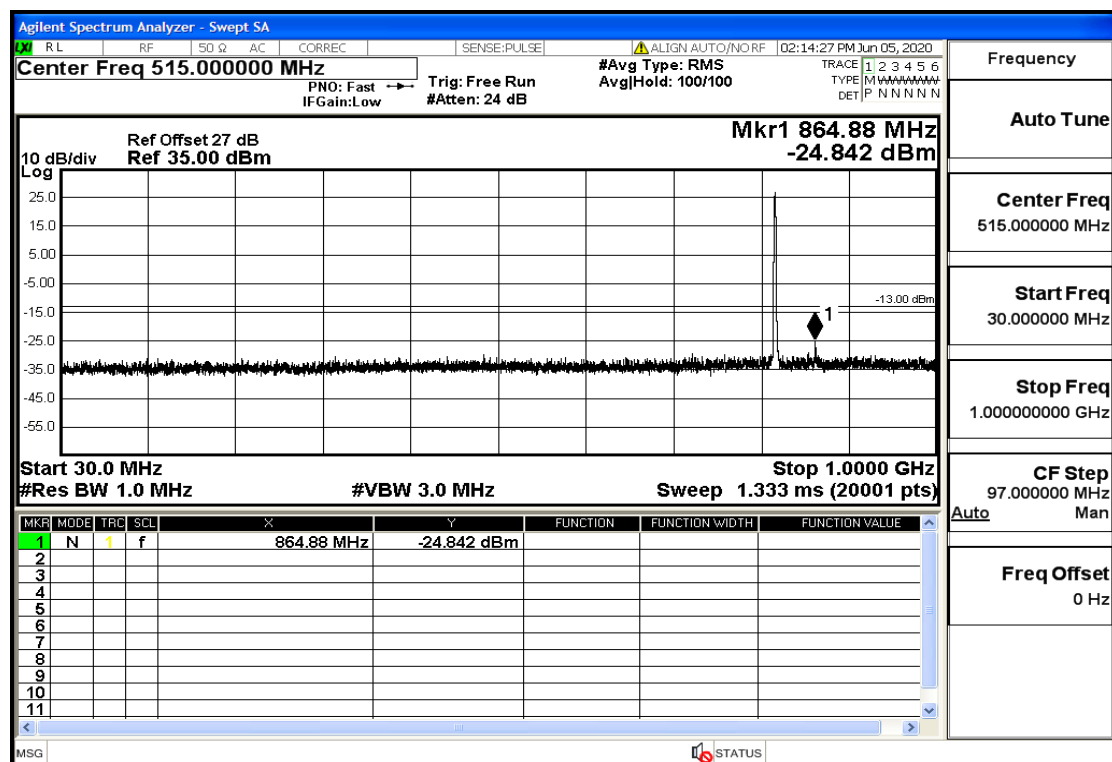
OB26A-1.4-814.7-QPSK-6#LOW@30mHz-1GHz@Pass



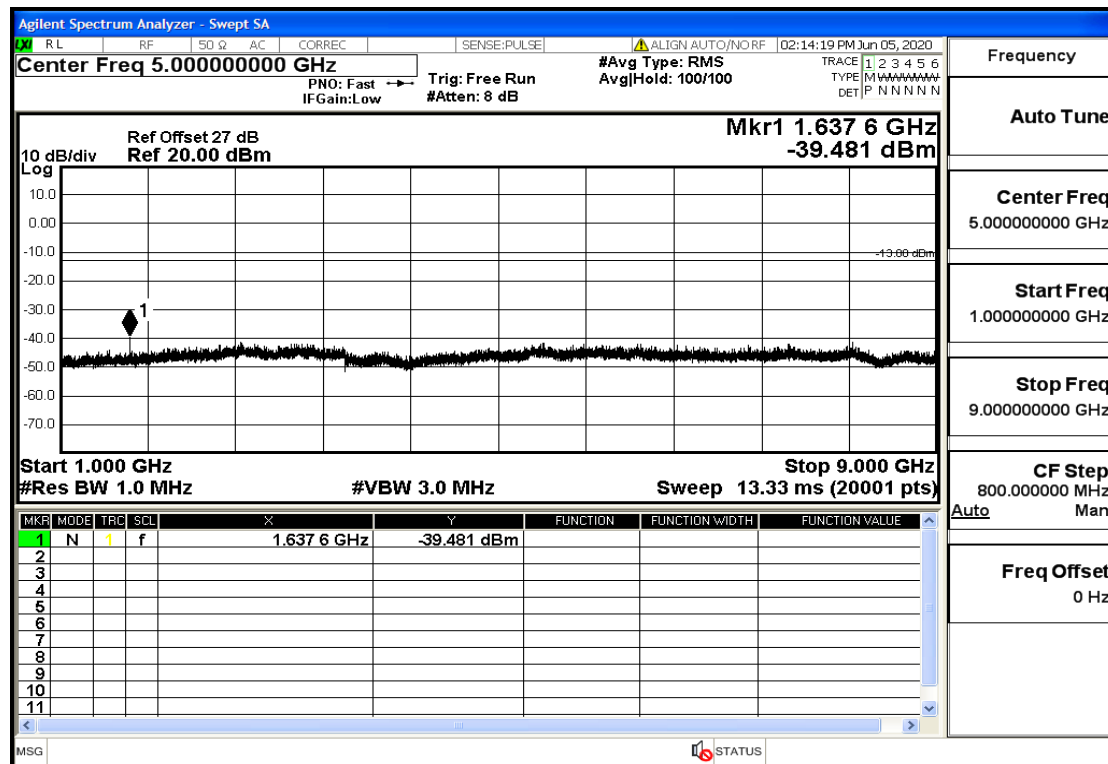
OB26A-1.4-819-QPSK-1#HIGH@1GHz-9GHz@Pass



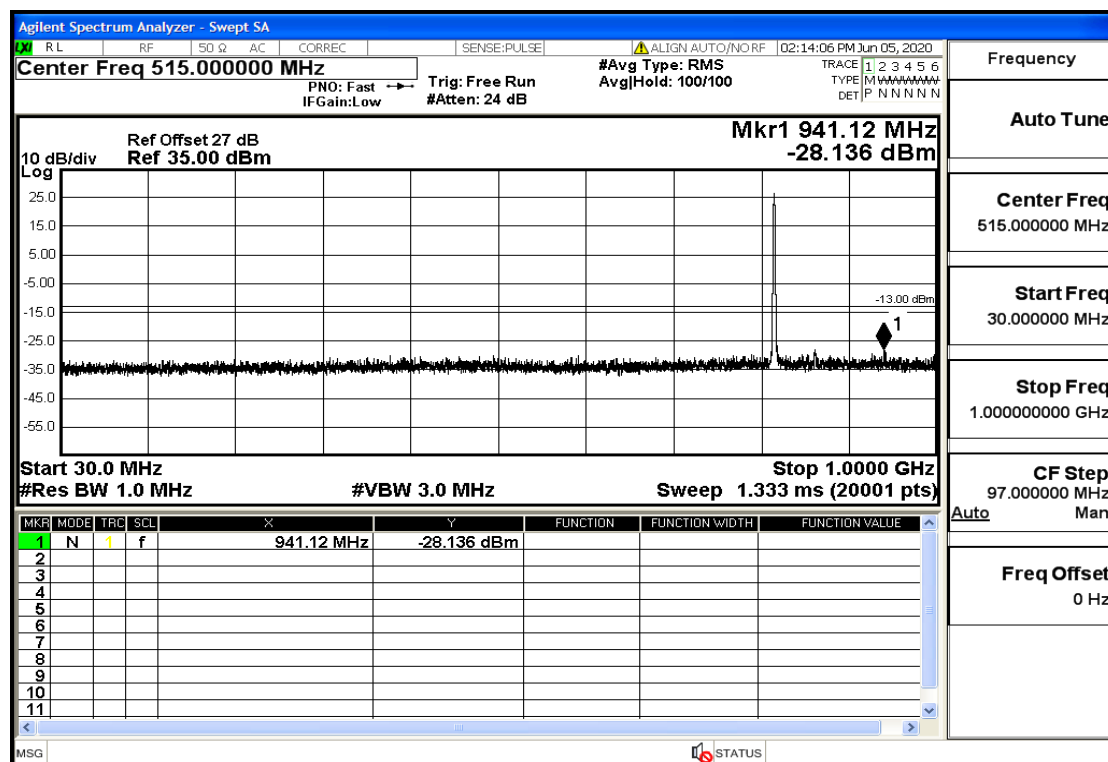
OB26A-1.4-819-QPSK-1#HIGH@30mHz-1GHz@Pass



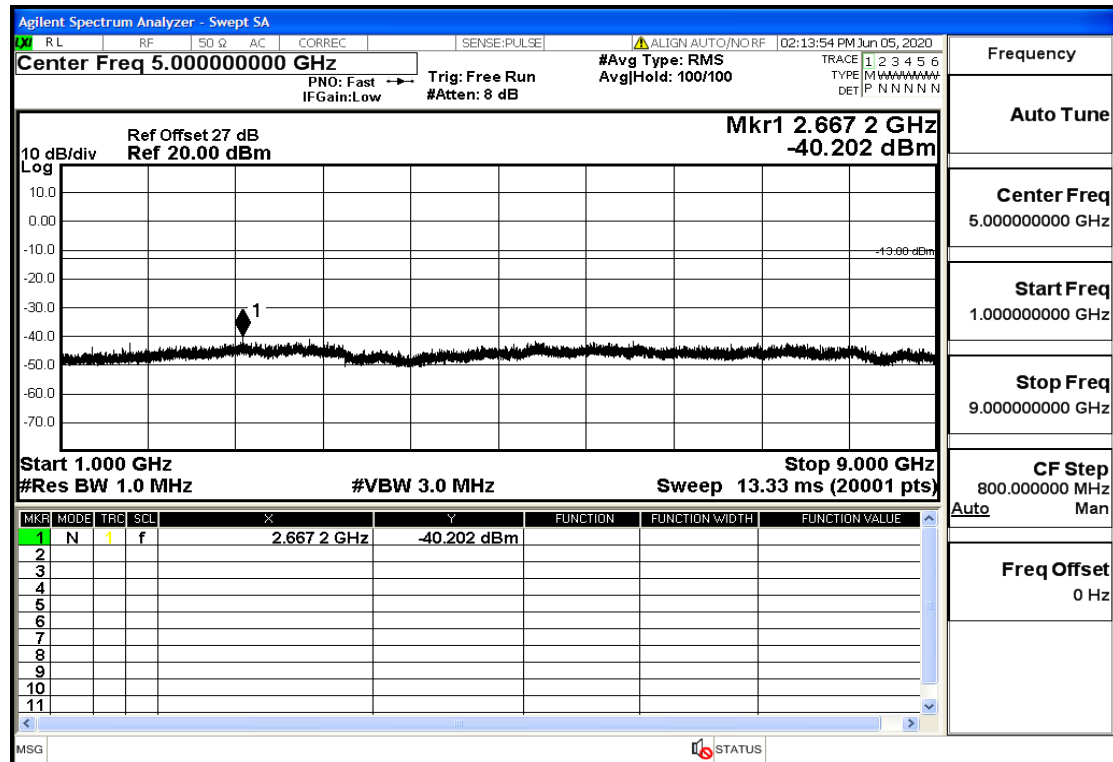
OB26A-1.4-819-QPSK-1#LOW@1GHz-9GHz@Pass



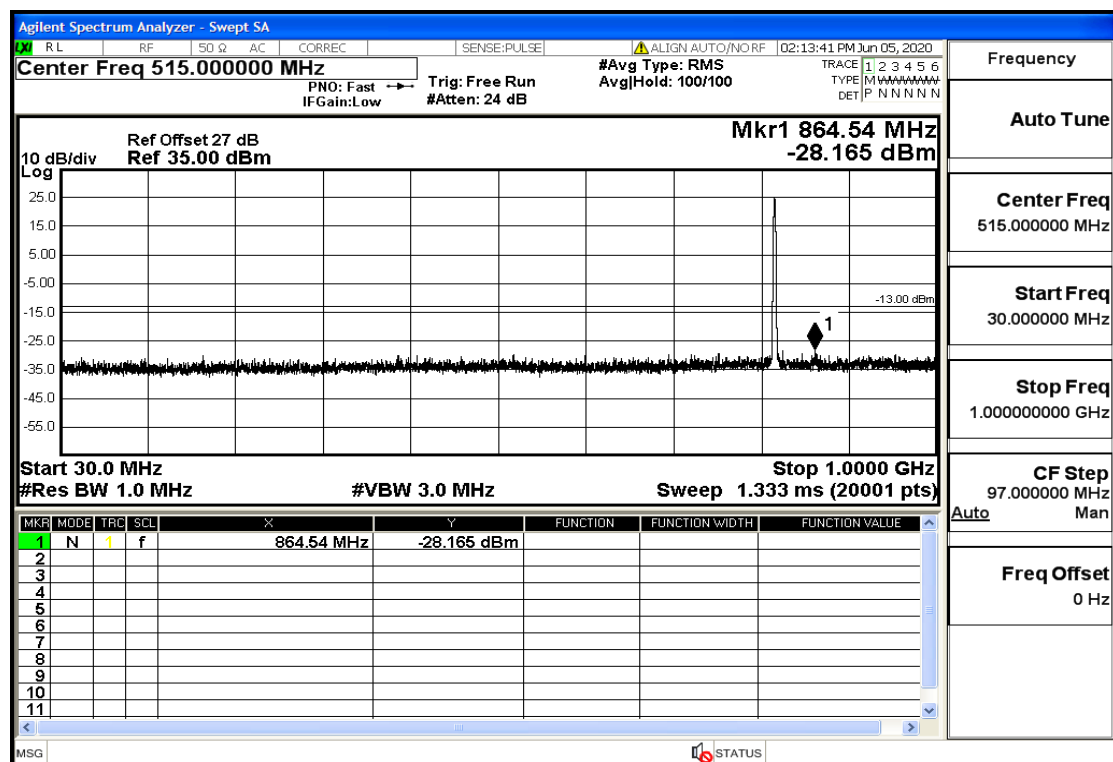
OB26A-1.4-819-QPSK-1#LOW@30mHz-1GHz@Pass



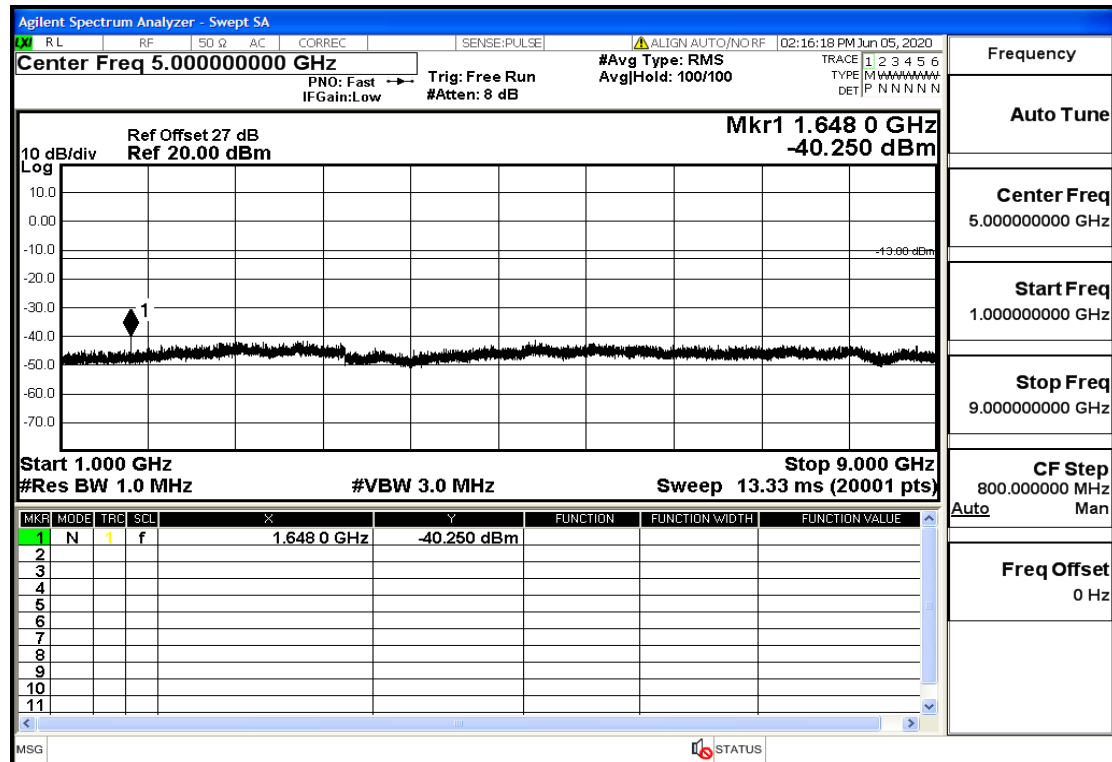
OB26A-1.4-819-QPSK-6#LOW@1GHz-9GHz@Pass



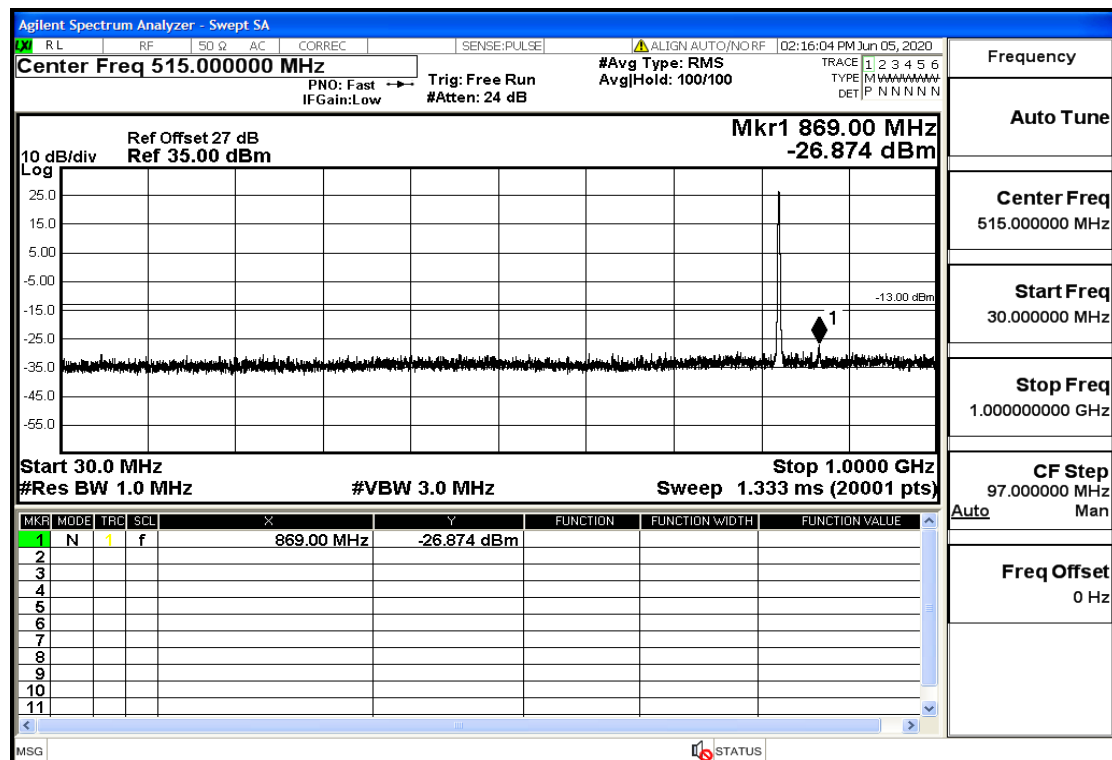
OB26A-1.4-819-QPSK-6#LOW@30mHz-1GHz@Pass



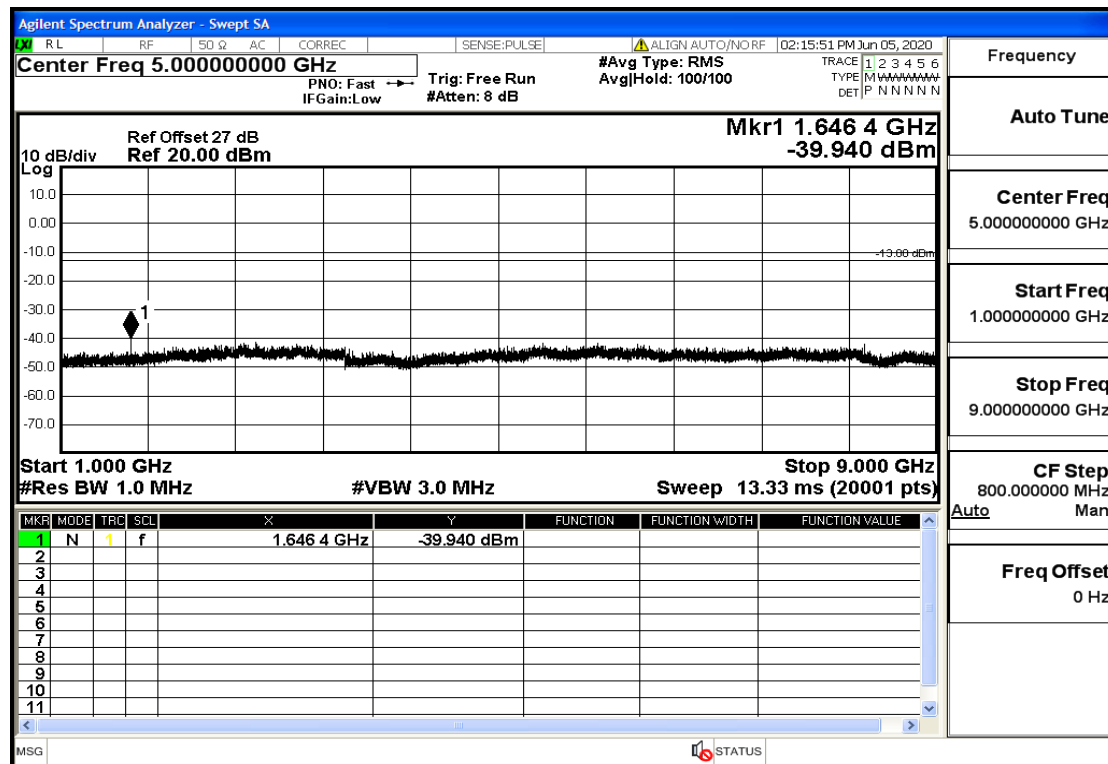
OB26A-1.4-823.3-QPSK-1#HIGH@1GHz-9GHz@Pass



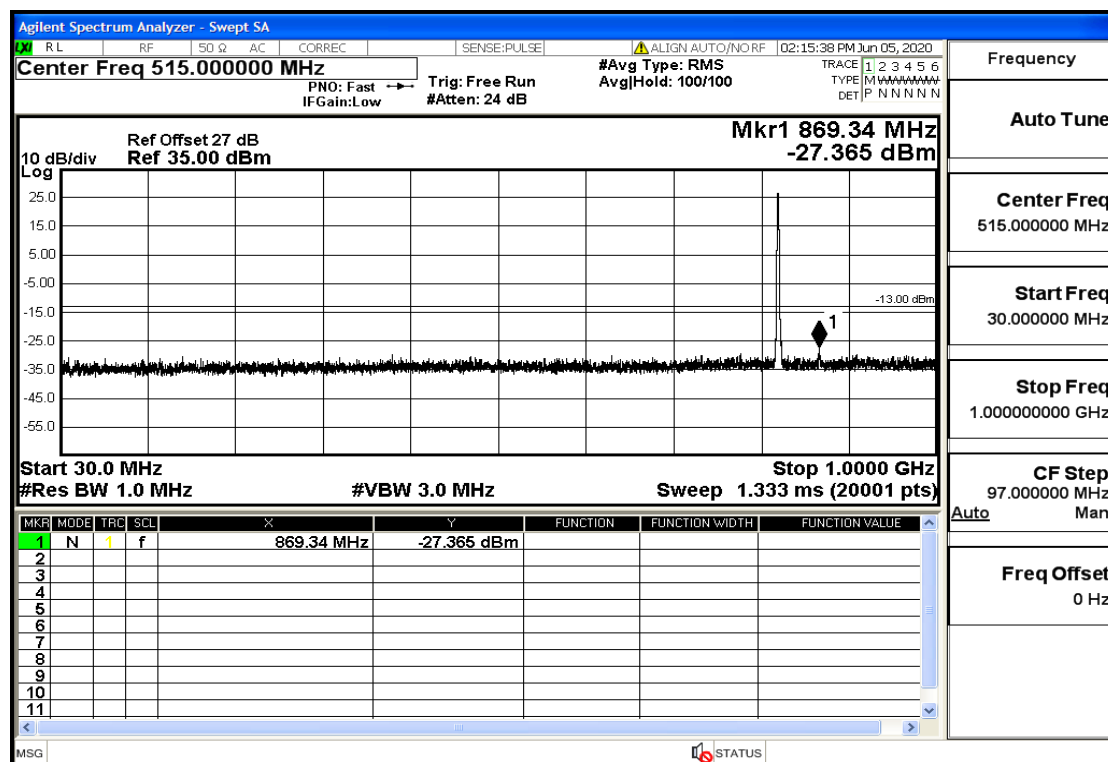
OB26A-1.4-823.3-QPSK-1#HIGH@30mHz-1GHz@Pass



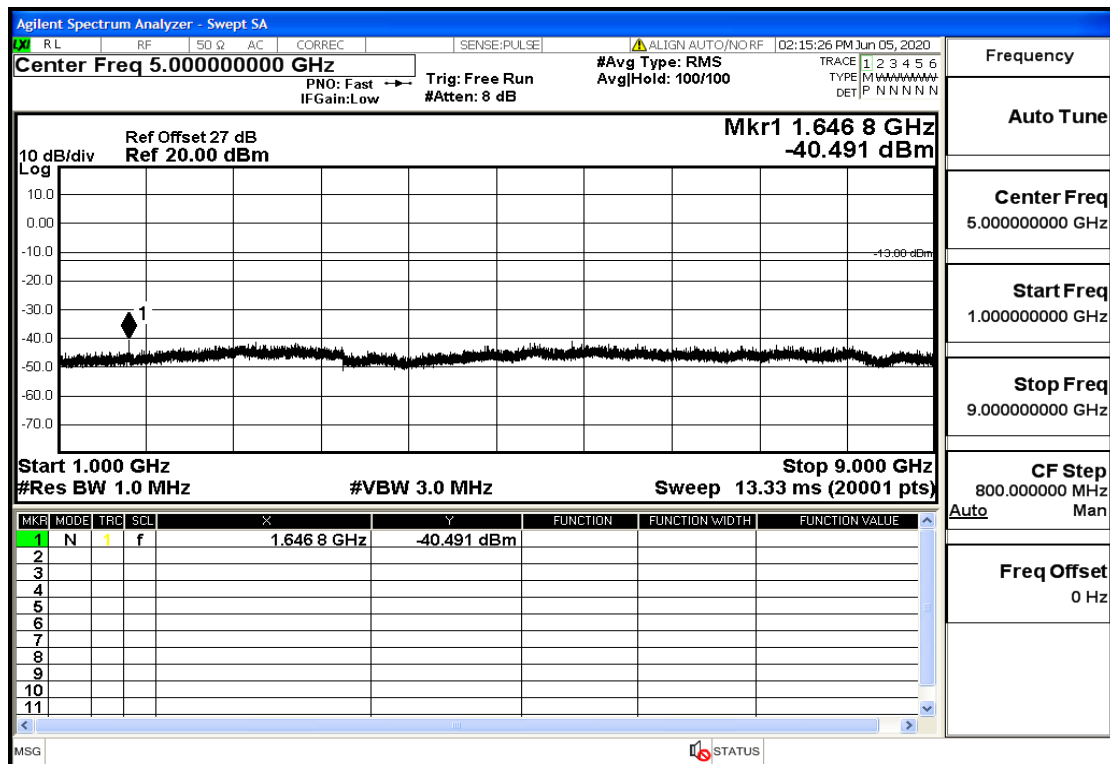
OB26A-1.4-823.3-QPSK-1#LOW@1GHz-9GHz@Pass



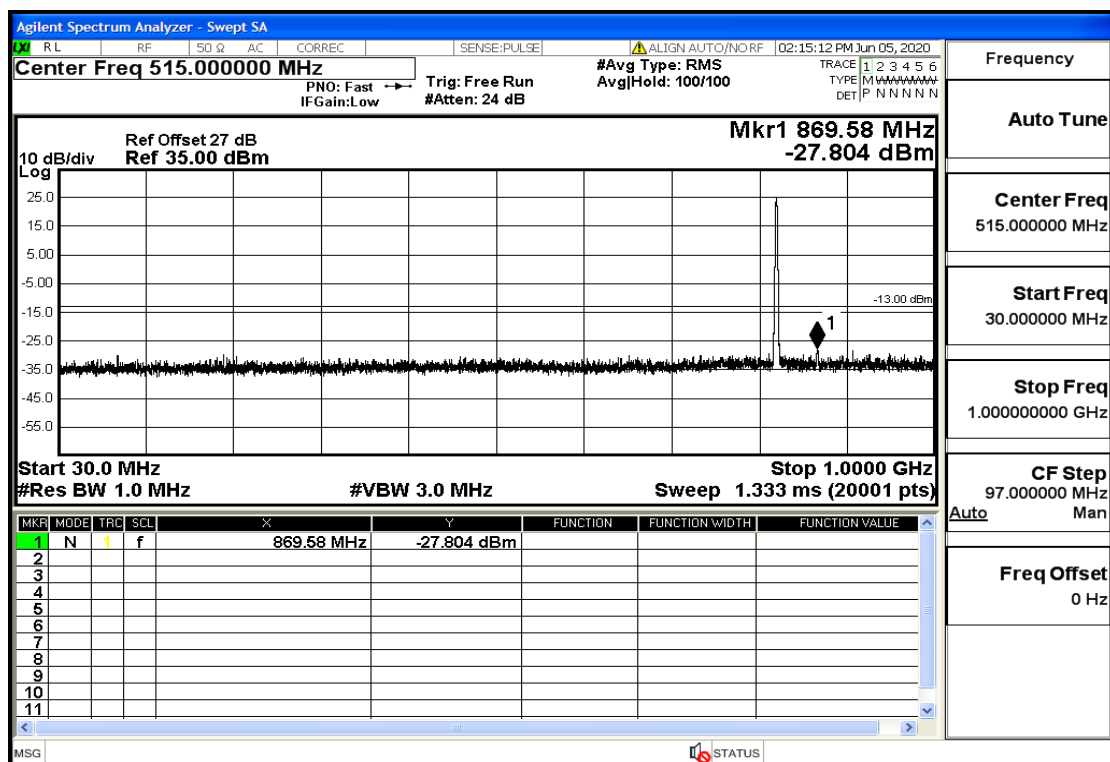
OB26A-1.4-823.3-QPSK-1#LOW@30mHz-1GHz@Pass



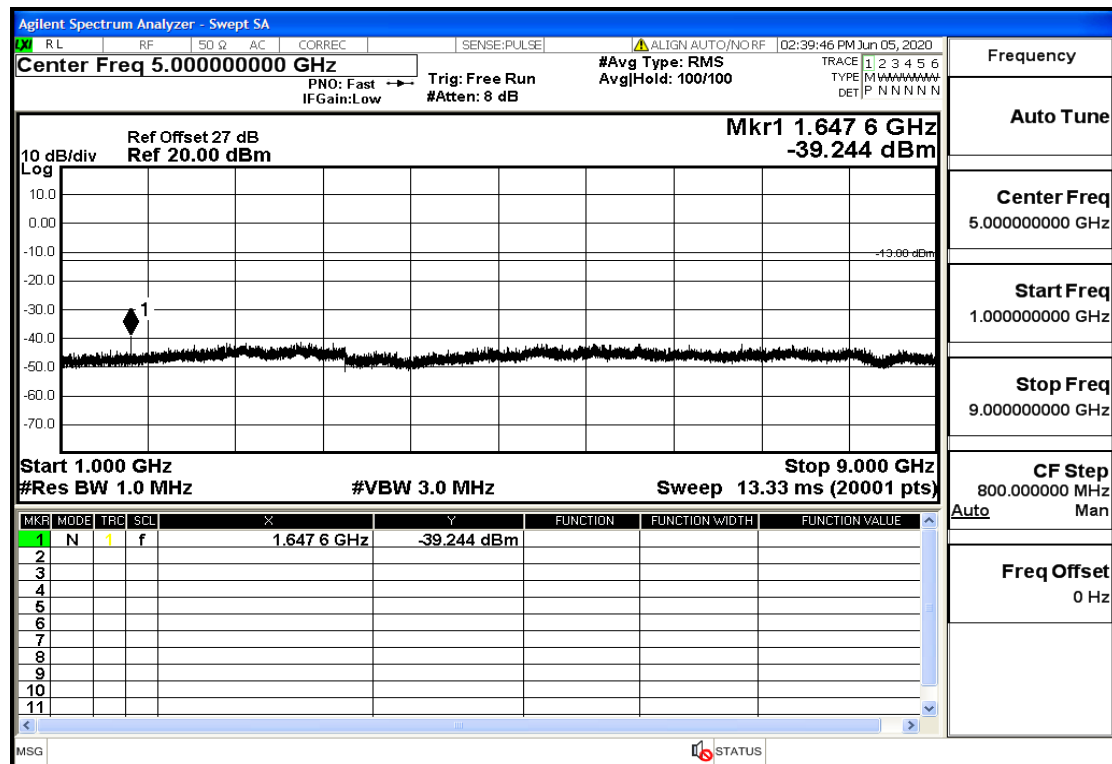
OB26A-1.4-823.3-QPSK-6#LOW@1GHz-9GHz@Pass



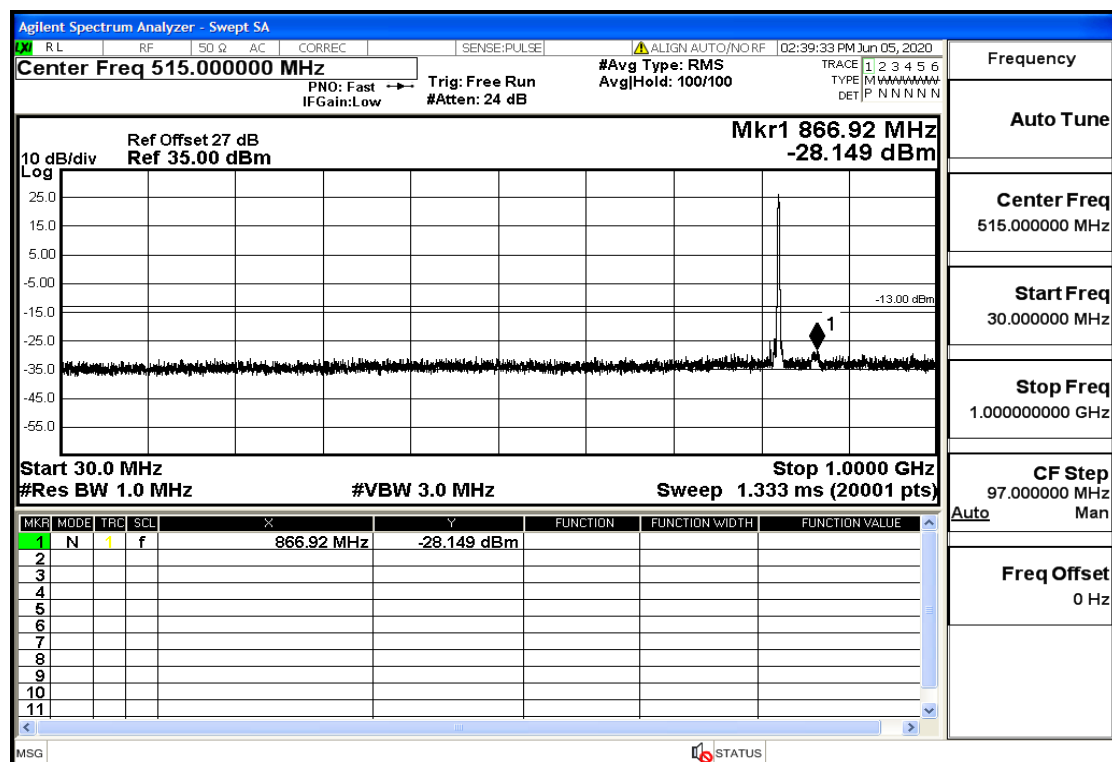
OB26A-1.4-823.3-QPSK-6#LOW@30mHz-1GHz@Pass



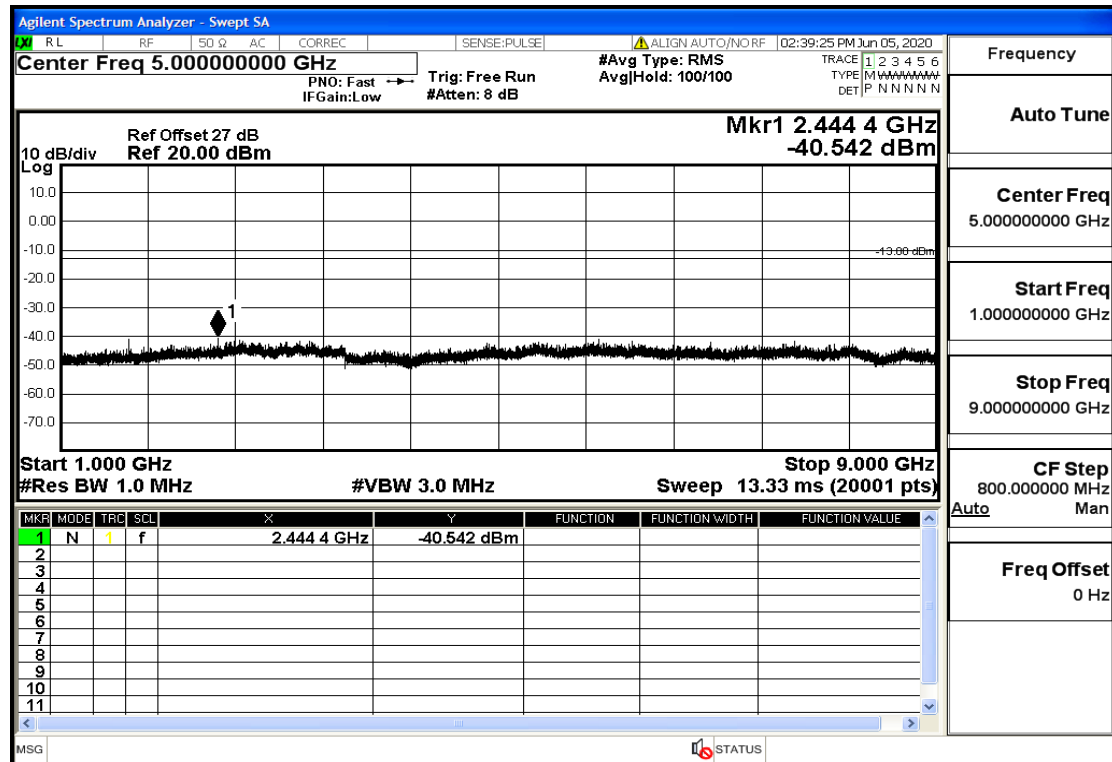
OB26A-10-819-QPSK-1#HIGH@1GHz-9GHz@Pass



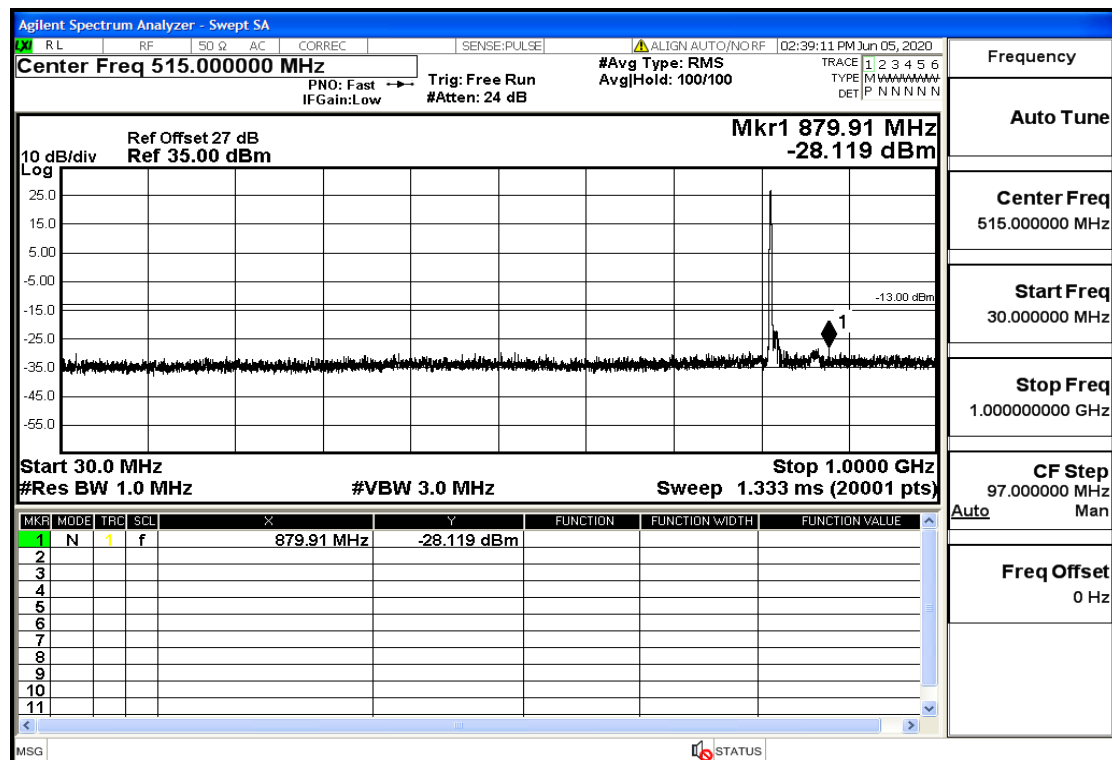
OB26A-10-819-QPSK-1#HIGH@30mHz-1GHz@Pass



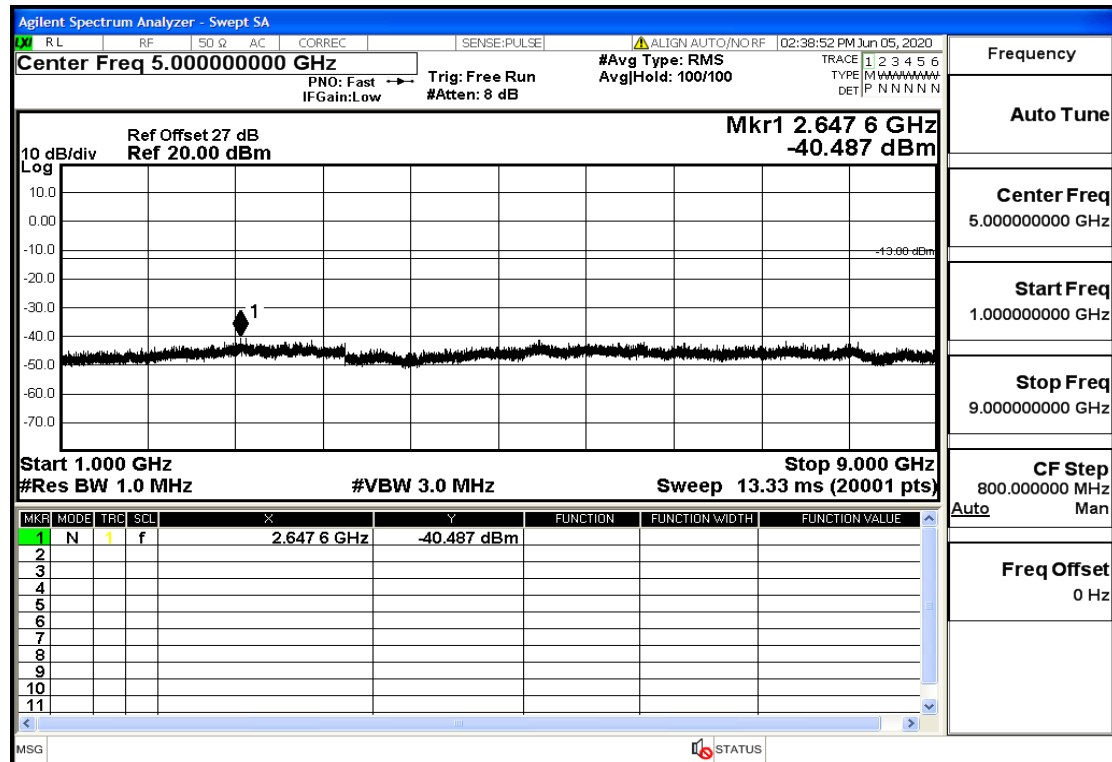
OB26A-10-819-QPSK-1#LOW@1GHz-9GHz@Pass



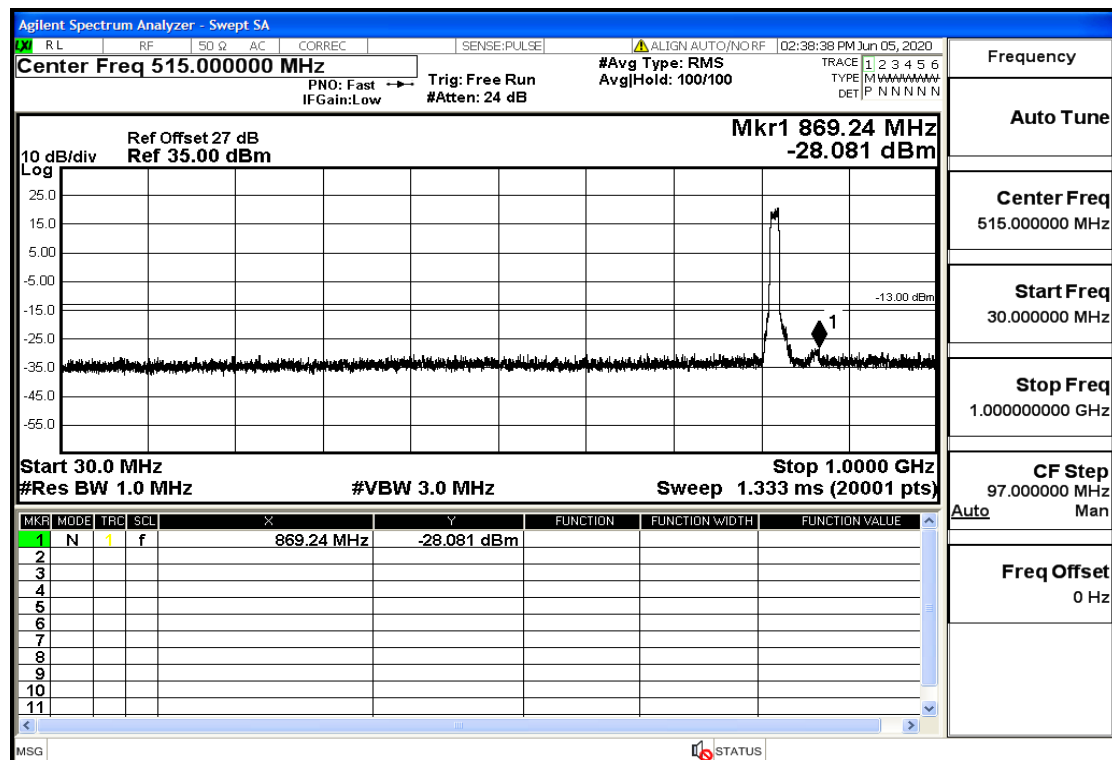
OB26A-10-819-QPSK-1#LOW@30mHz-1GHz@Pass



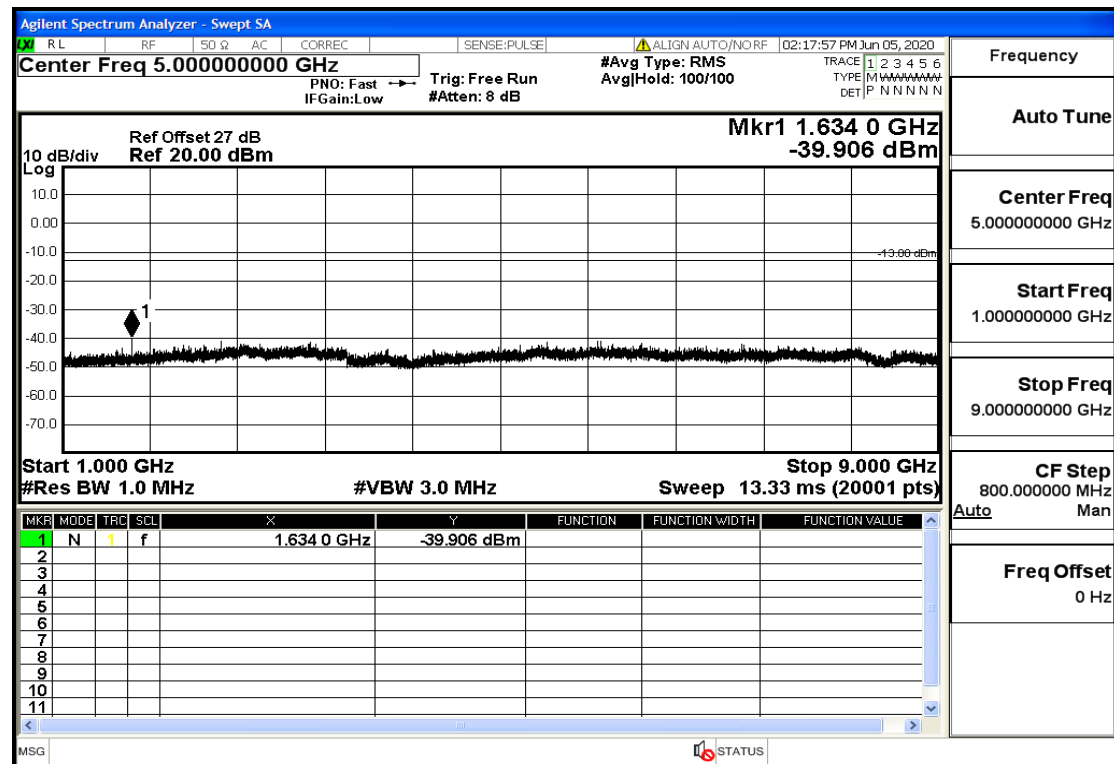
OB26A-10-819-QPSK-50#LOW@1GHz-9GHz@Pass



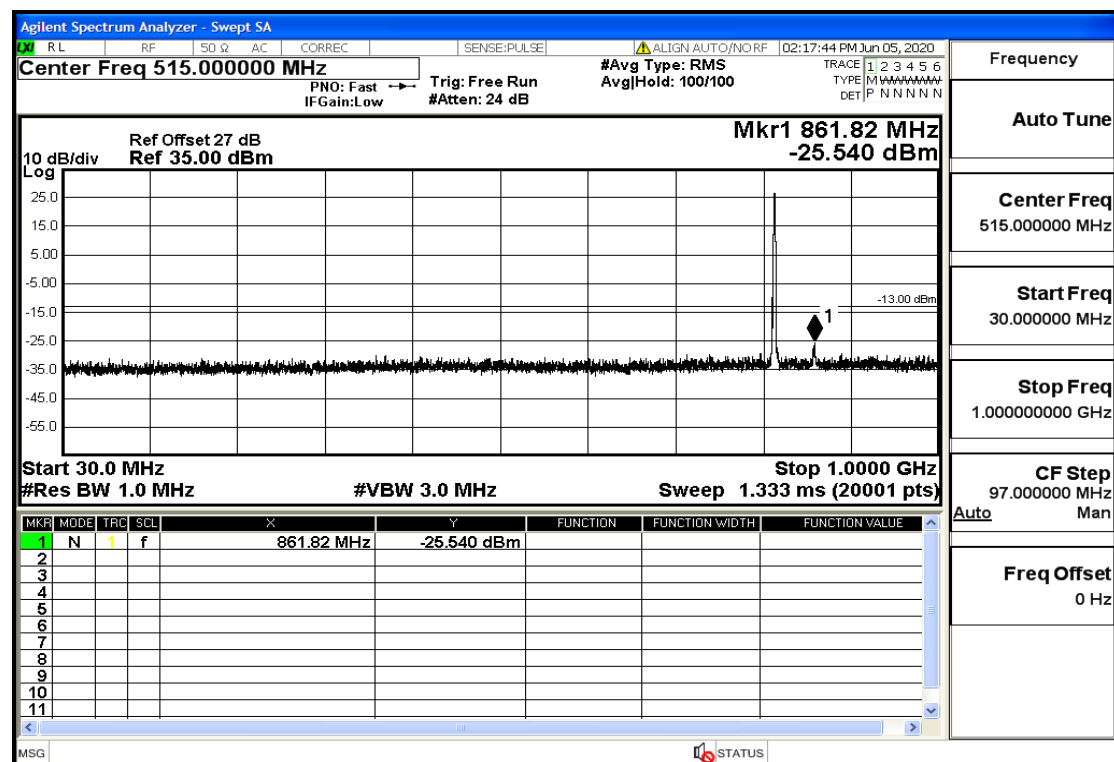
OB26A-10-819-QPSK-50#LOW@30mHz-1GHz@Pass



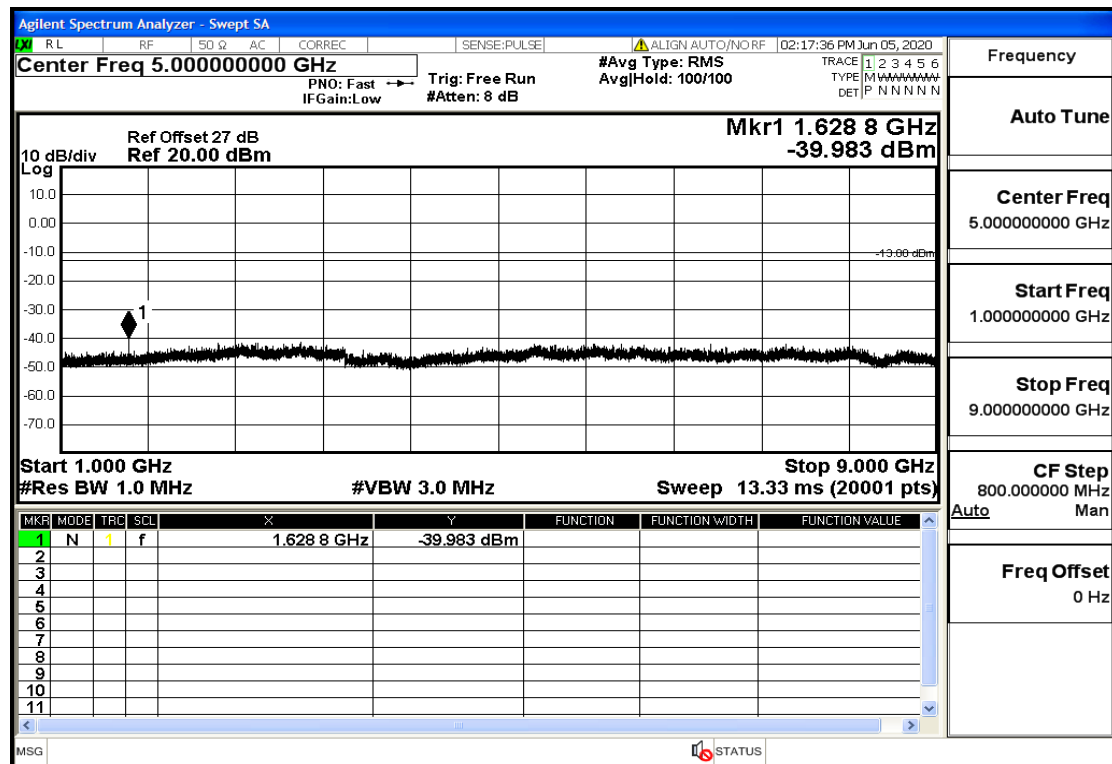
OB26A-3-815.5-QPSK-1#HIGH@1GHz-9GHz@Pass



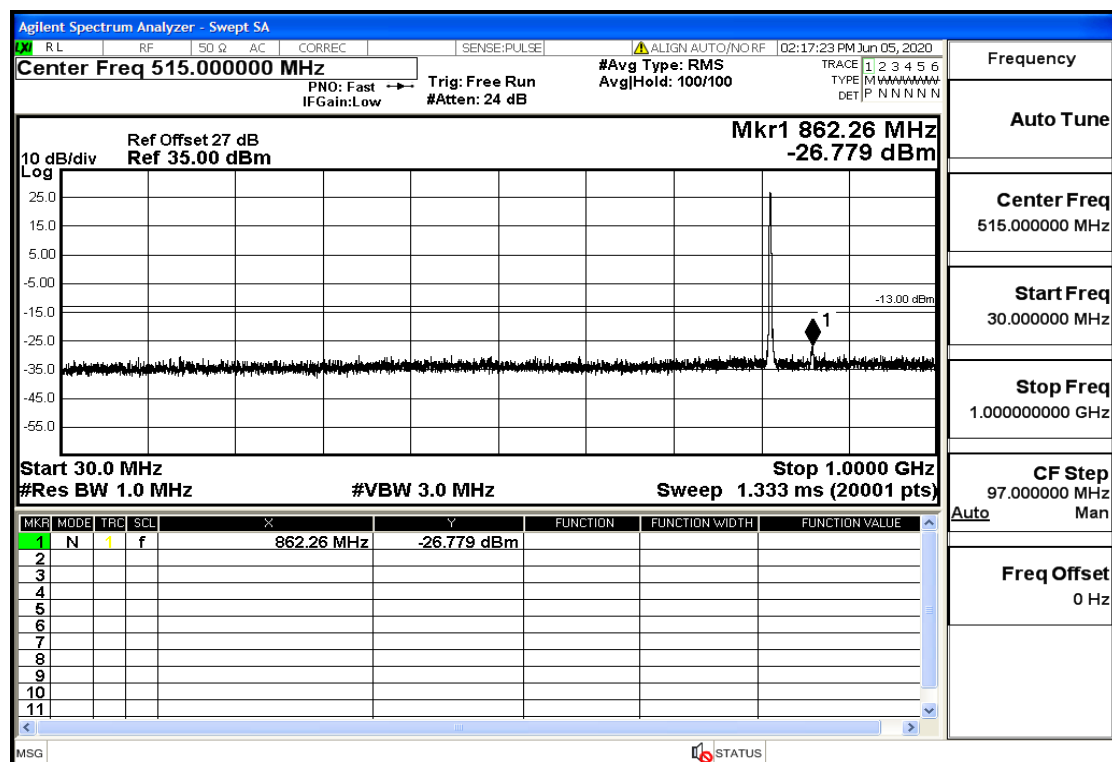
OB26A-3-815.5-QPSK-1#HIGH@30mHz-1GHz@Pass



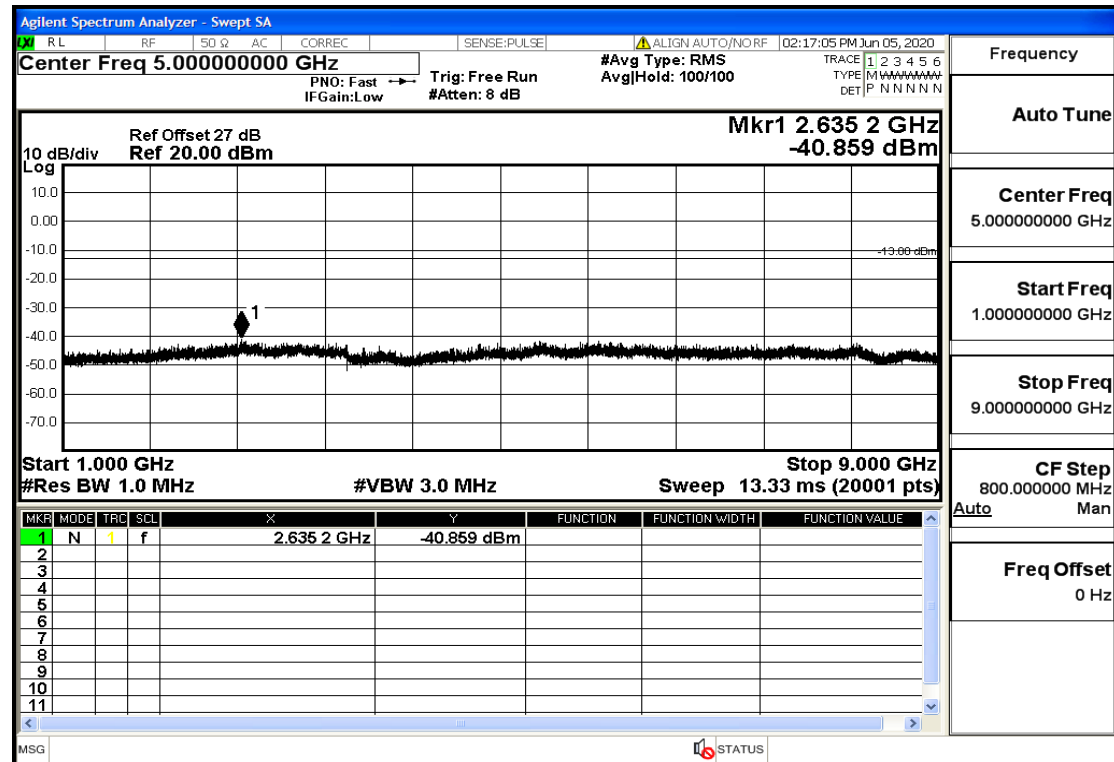
OB26A-3-815.5-QPSK-1#LOW@1GHz-9GHz@Pass



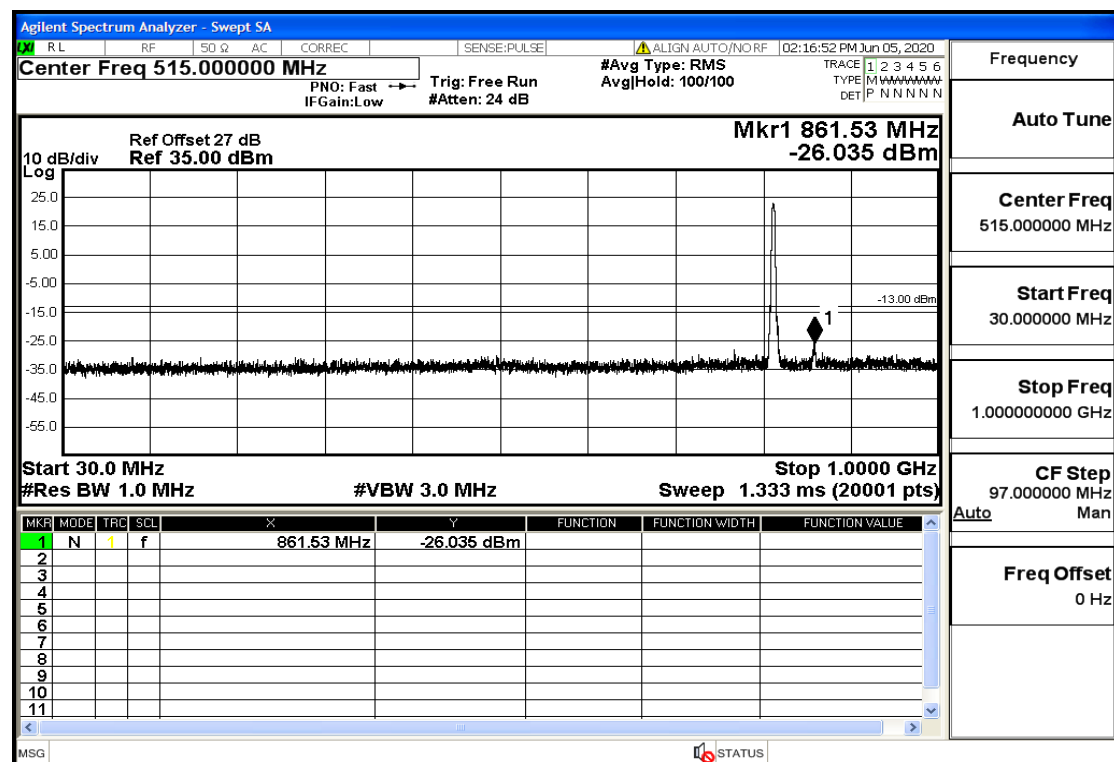
OB26A-3-815.5-QPSK-1#LOW@30mHz-1GHz@Pass



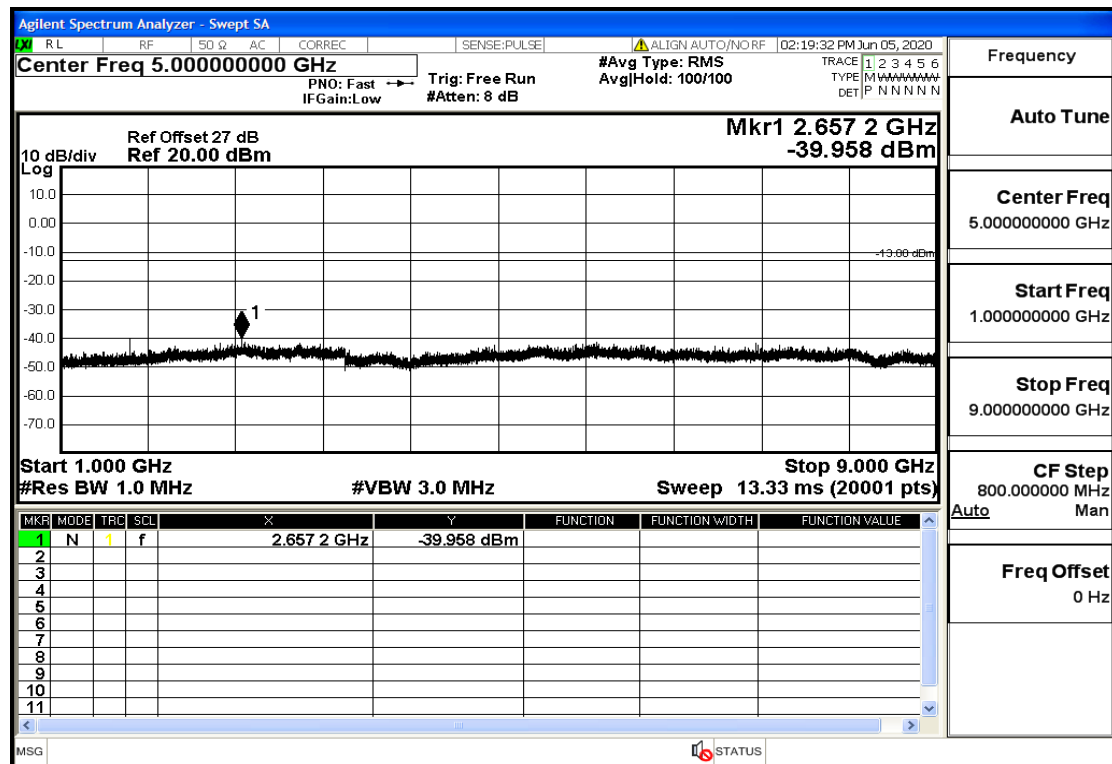
OB26A-3-815.5-QPSK-15#LOW@1GHz-9GHz@Pass



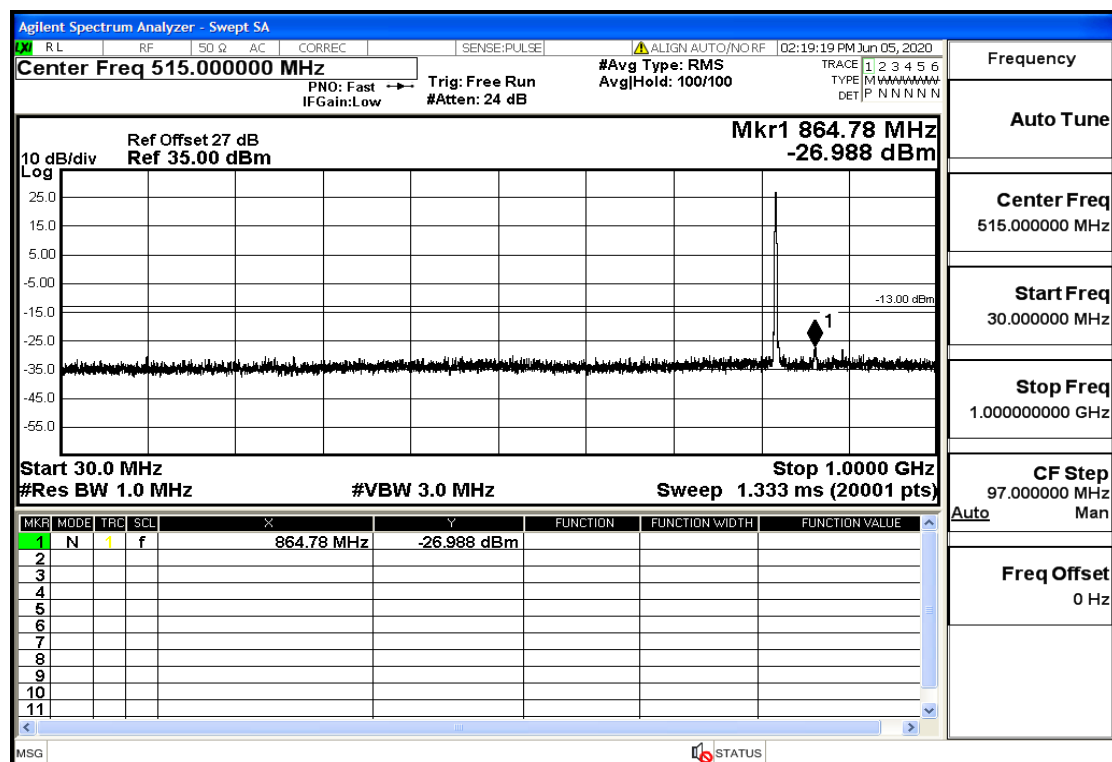
OB26A-3-815.5-QPSK-15#LOW@30mHz-1GHz@Pass



OB26A-3-819-QPSK-1#HIGH@1GHz-9GHz@Pass



OB26A-3-819-QPSK-1#HIGH@30mHz-1GHz@Pass



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN AUTO/NORF 02:19:11 PM Jun 05, 2020

Center Freq 5.000000000 GHz **#Avg Type: RMS** **Avg/Hold: 100/100** **Trig: Free Run** **#Atten: 8 dB** **PNO: Fast** **IFGain: Low** **TRACE 1 2 3 4 5** **TYPE M W W W W W W W** **DET P N N N N N**

Ref Offset 27 dB **Mkr1 1.636 0 GHz**
 Ref 20.00 dBm **-39.604 dBm**

10 dB/div Log

Start 1.000 GHz Stop 9.000 GHz
 #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 13.33 ms (20001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.636 0 GHz	-39.604 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG

Frequency Auto Tune Center Freq 5.000000000 GHz Start Freq 1.000000000 GHz Stop Freq 9.000000000 GHz CF Step 800.000000 MHz Man Auto Freq Offset 0 Hz

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN AUTO/NORF 02:18:57 PM Jun 05, 2020

Center Freq 515.000000 MHz PNO: Fast IFGain:Low Trig: Free Run #Atten: 24 dB #Avg Type: RMS Avg/Hold: 100/100

TRACE 1 2 3 4 5 6 TYPE M W A A A A A A A A DET P N N N N N N

Ref Offset 27 dB Mkr1 864.30 MHz
Ref 35.00 dBm -26.051 dBm

10 dB/div Log

Start 30.0 MHz Stop 1.0000 GHz
#Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.333 ms (20001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	864.30 MHz	-26.051 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

Frequency Auto Tune

Center Freq 515.000000 MHz

Start Freq 30.000000 MHz

Stop Freq 1.000000000 GHz

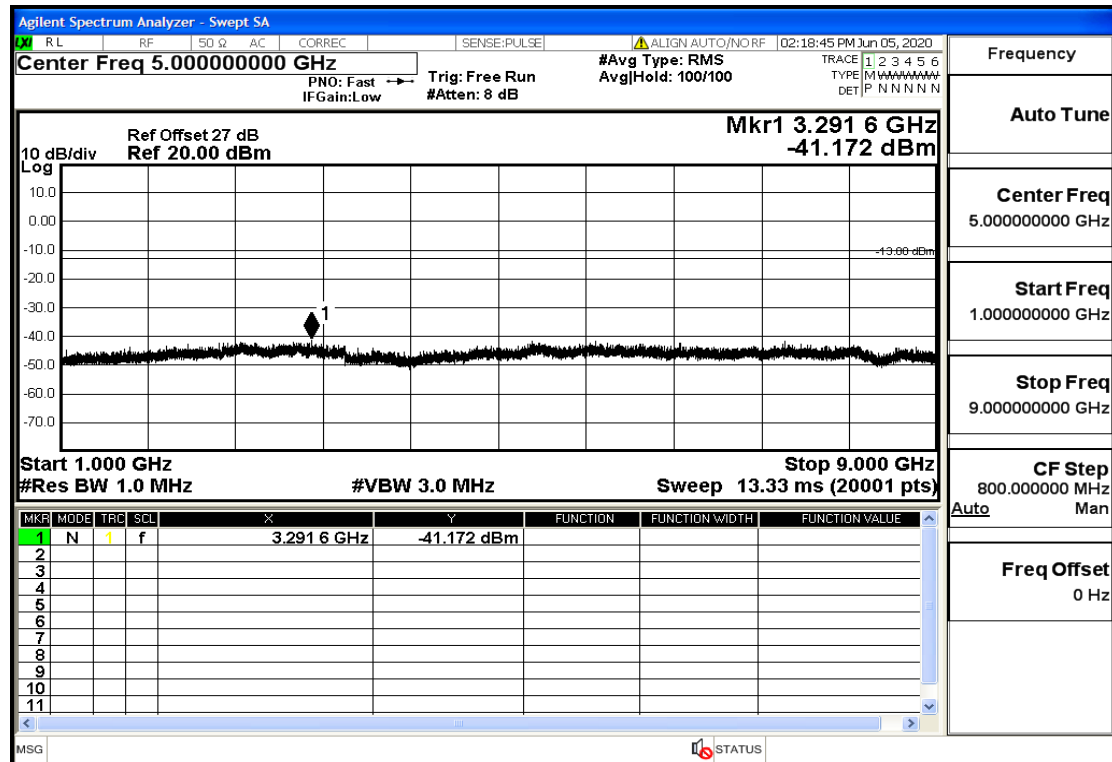
CF Step 97.000000 MHz Man

Auto

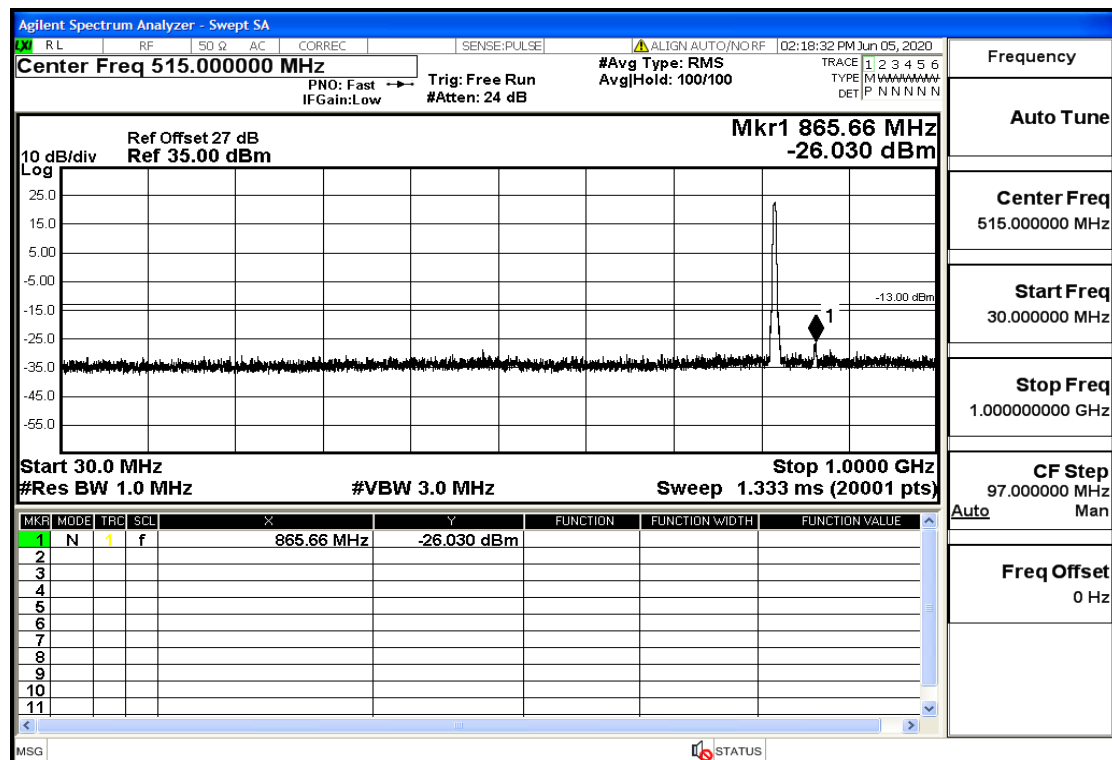
Freq Offset 0 Hz

MSG STATUS

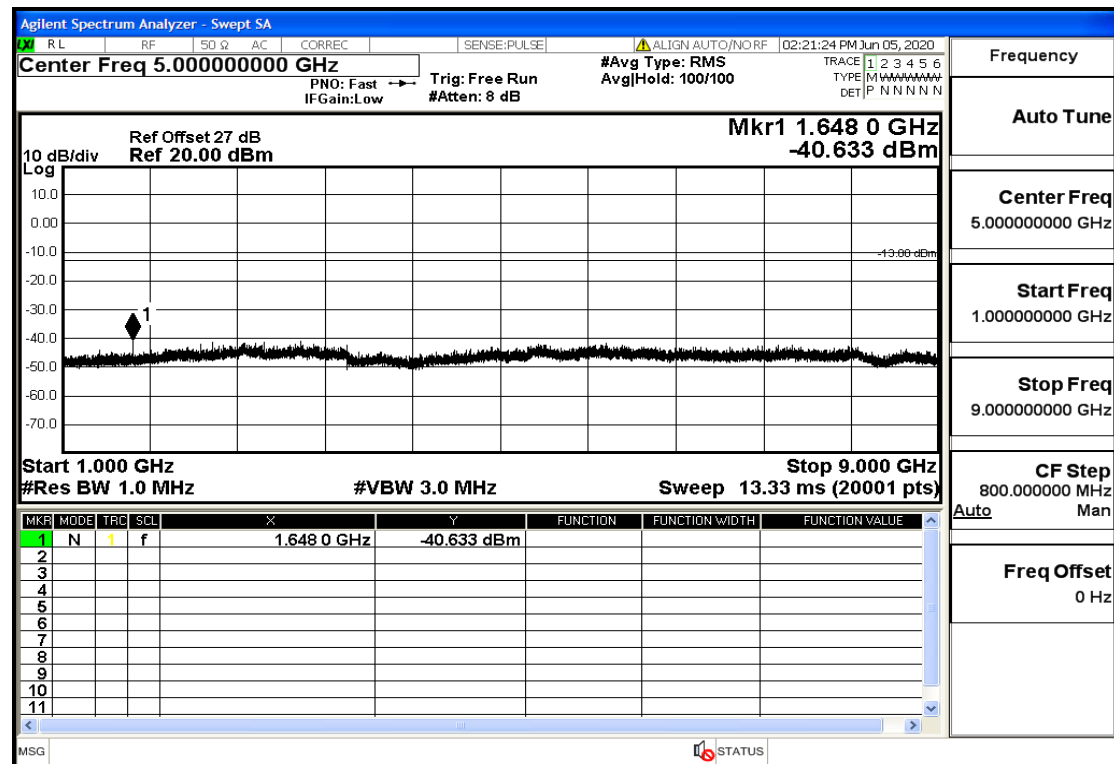
OB26A-3-819-QPSK-15#LOW@1GHz-9GHz@Pass



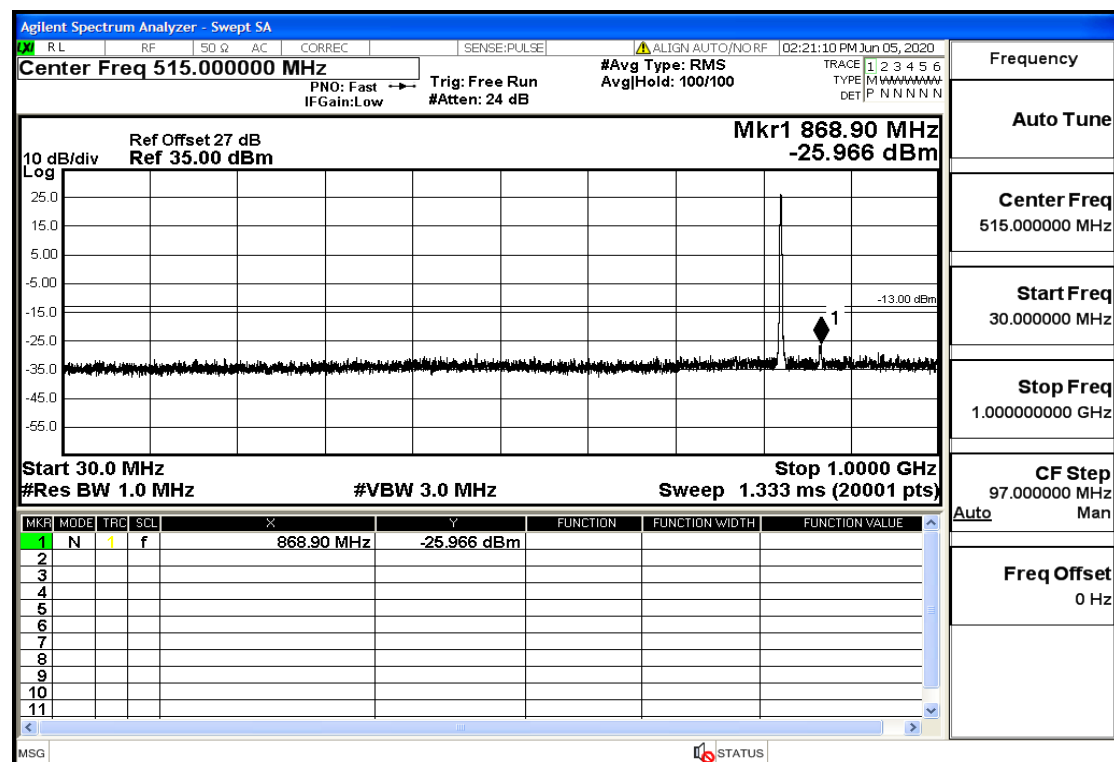
OB26A-3-819-QPSK-15#LOW@30mHz-1GHz@Pass



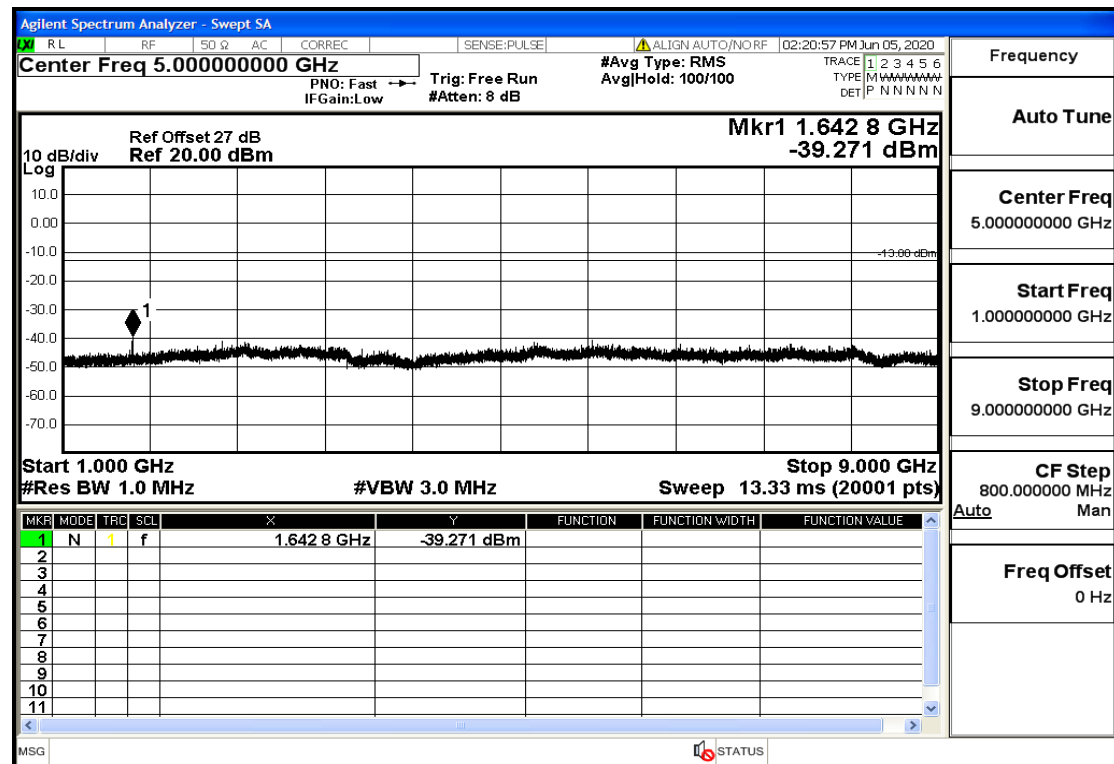
OB26A-3-822.5-QPSK-1#HIGH@1GHz-9GHz@Pass



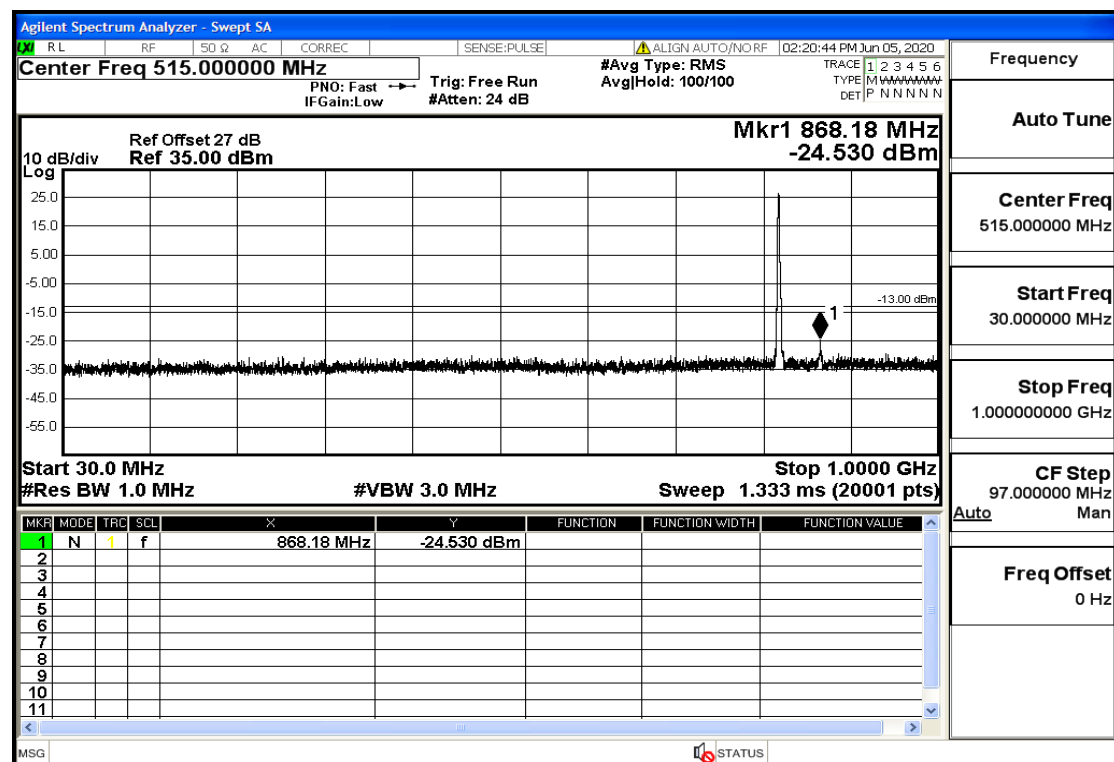
OB26A-3-822.5-QPSK-1#HIGH@30mHz-1GHz@Pass



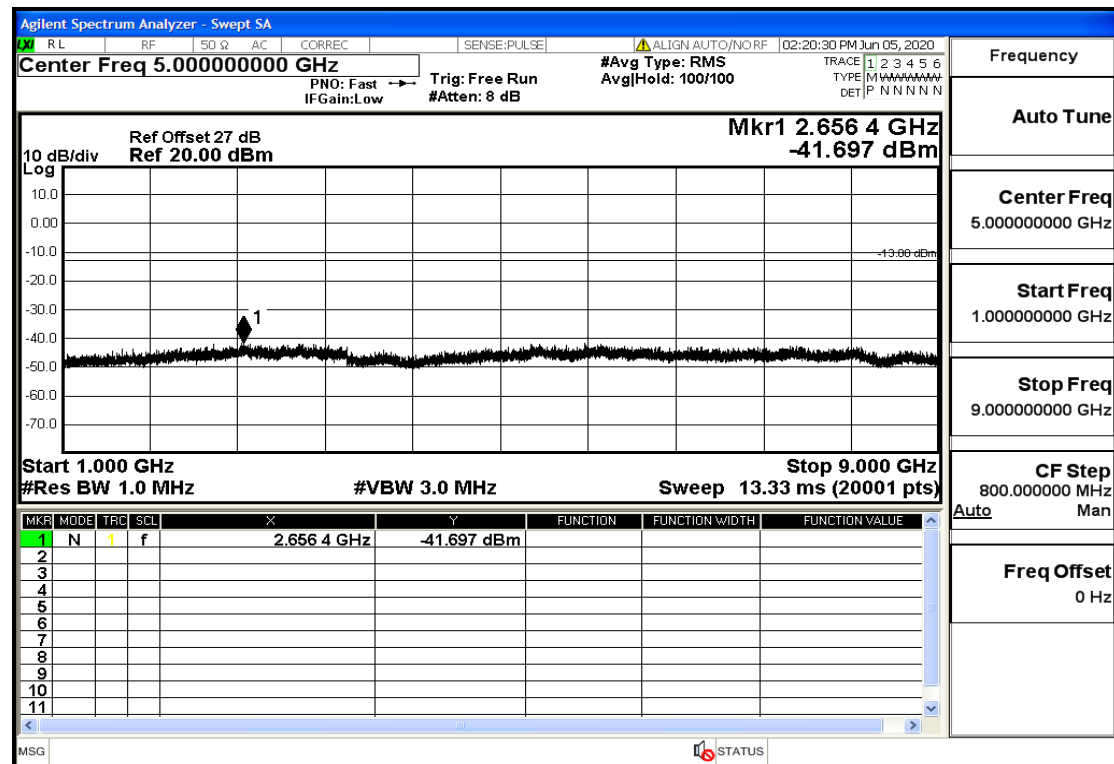
OB26A-3-822.5-QPSK-1#LOW@1GHz-9GHz@Pass



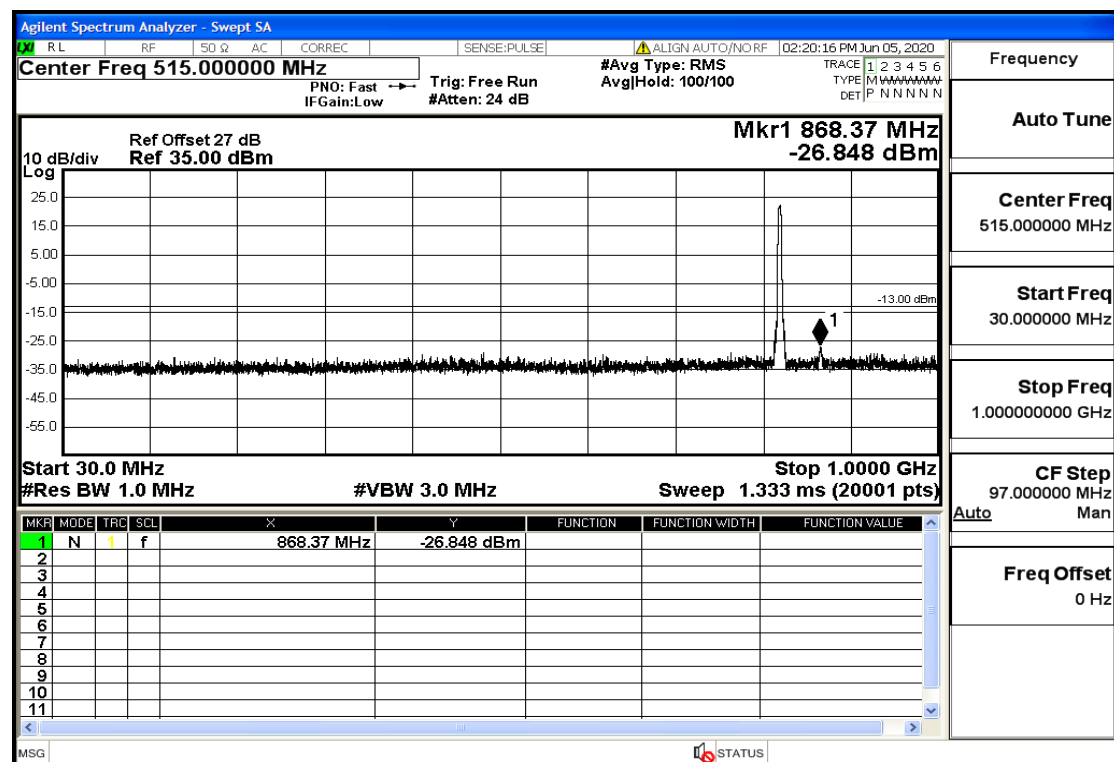
OB26A-3-822.5-QPSK-1#LOW@30mHz-1GHz@Pass



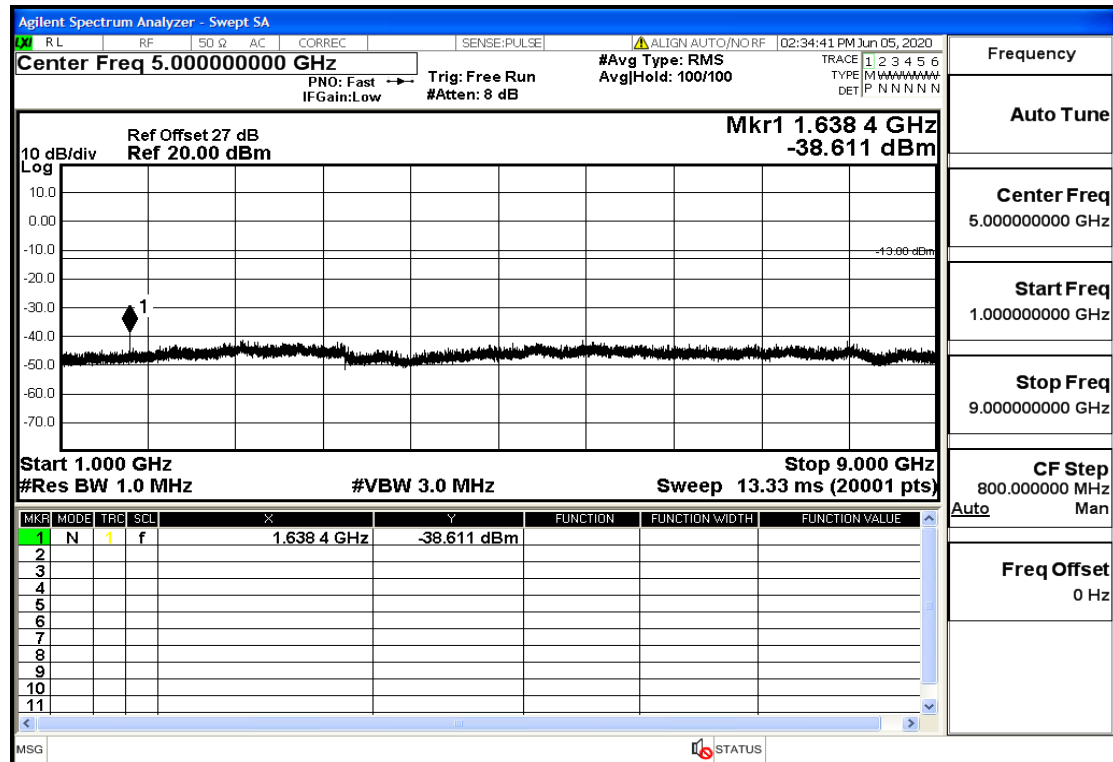
OB26A-3-822.5-QPSK-15#LOW@1GHz-9GHz@Pass



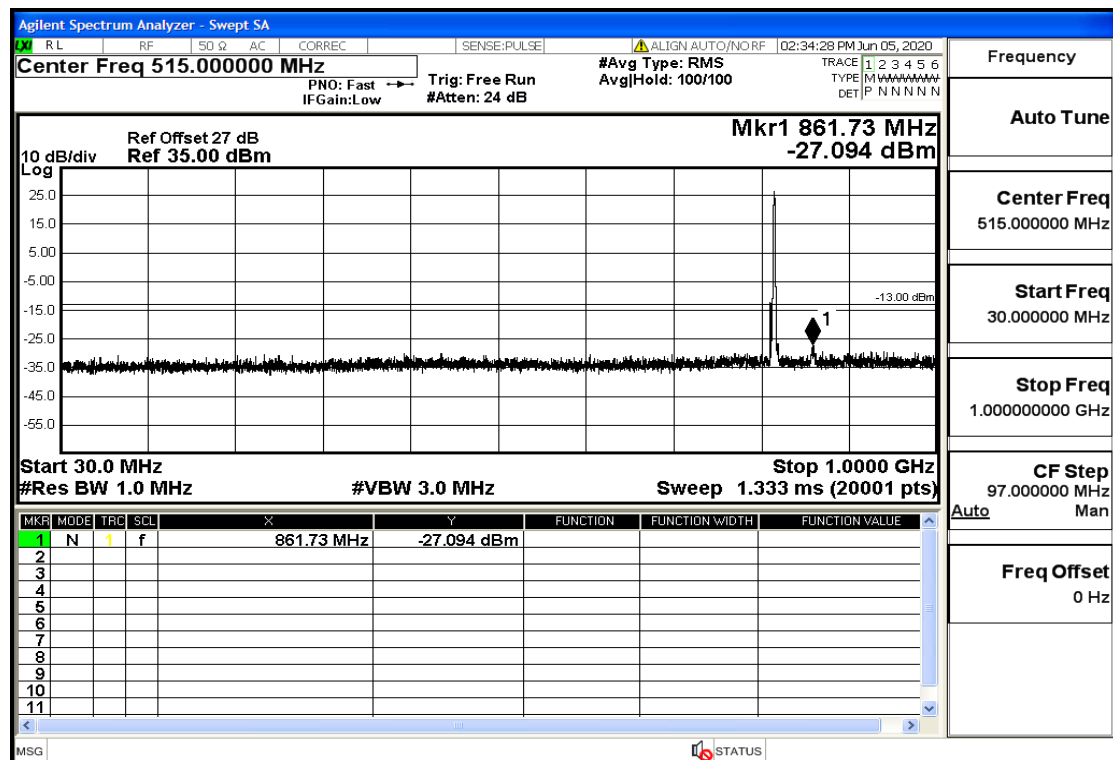
OB26A-3-822.5-QPSK-15#LOW@30mHz-1GHz@Pass



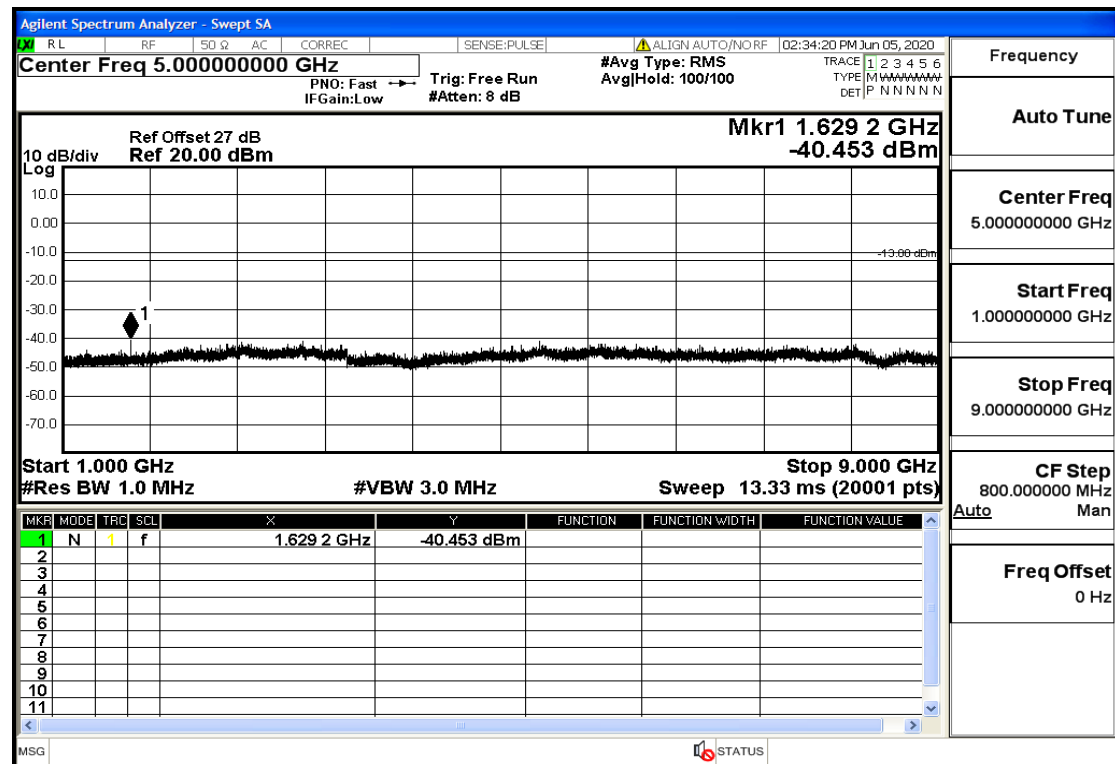
OB26A-5-816.5-QPSK-1#HIGH@1GHz-9GHz@Pass



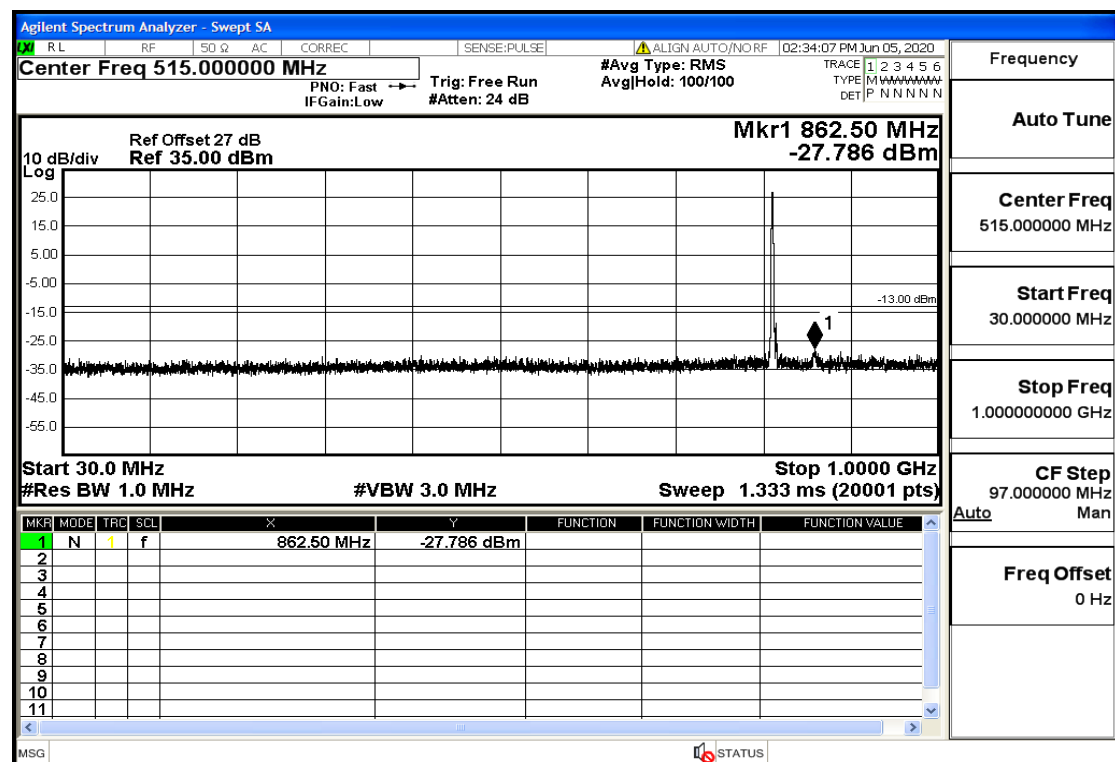
OB26A-5-816.5-QPSK-1#HIGH@30mHz-1GHz@Pass



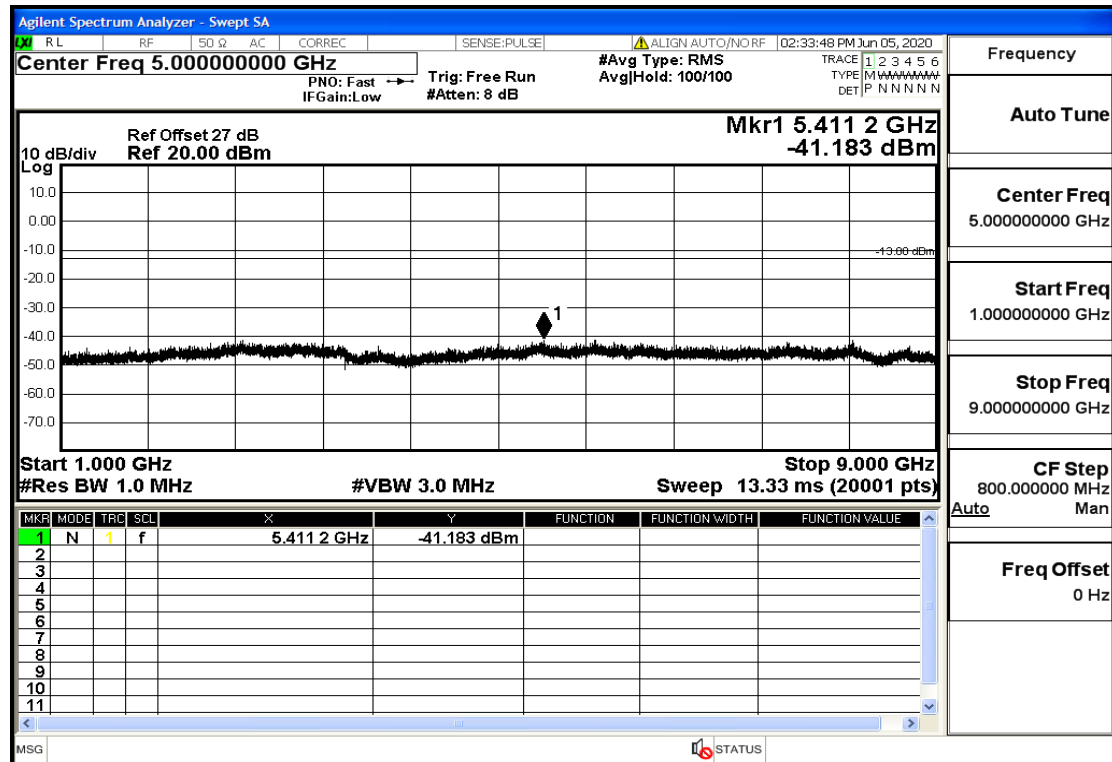
OB26A-5-816.5-QPSK-1#LOW@1GHz-9GHz@Pass



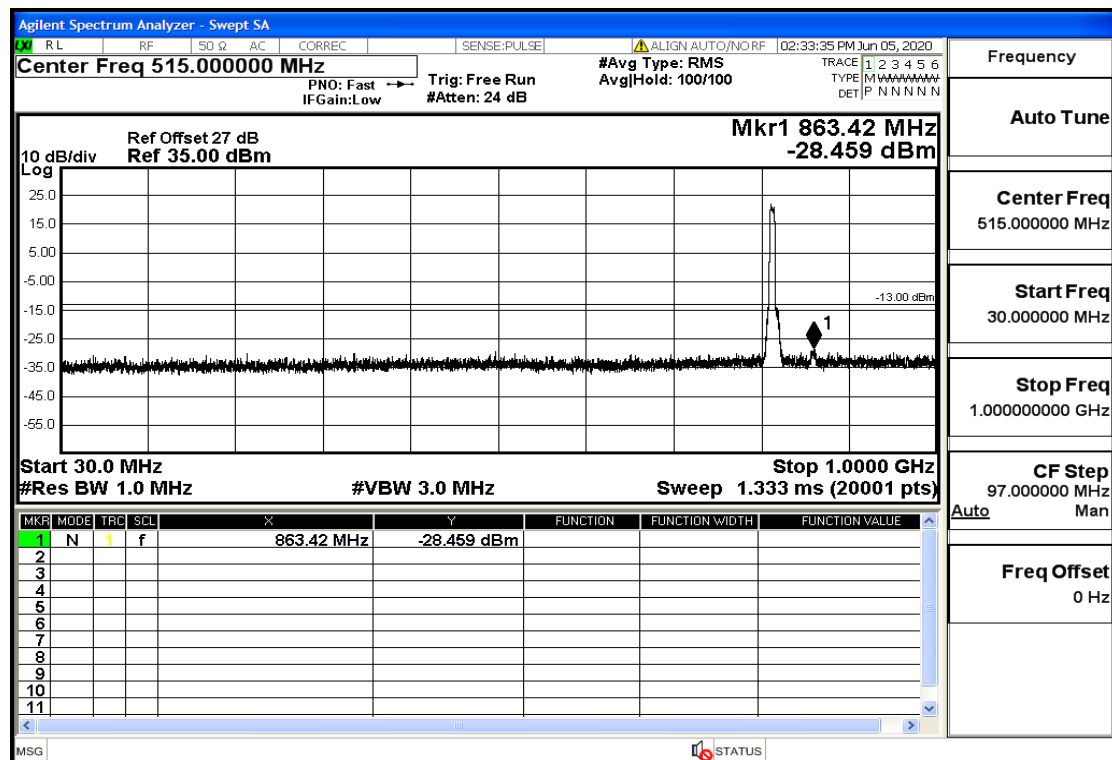
OB26A-5-816.5-QPSK-1#LOW@30mHz-1GHz@Pass



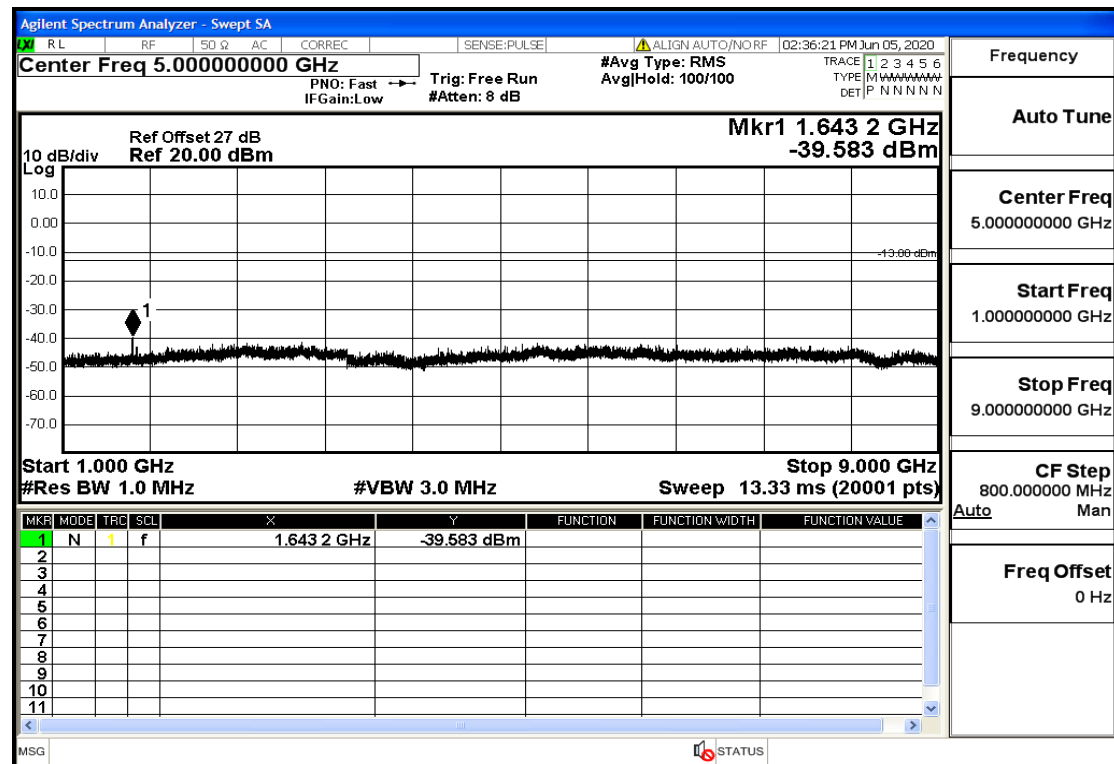
OB26A-5-816.5-QPSK-25#LOW@1GHz-9GHz@Pass



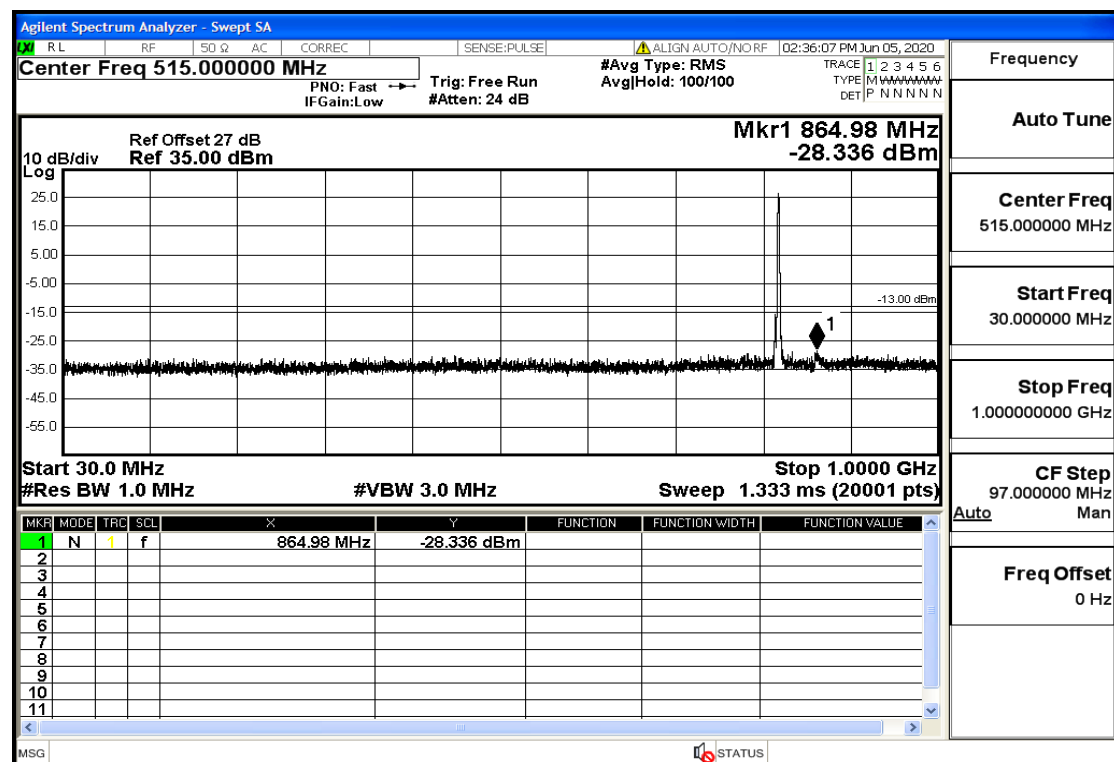
OB26A-5-816.5-QPSK-25#LOW@30mHz-1GHz@Pass



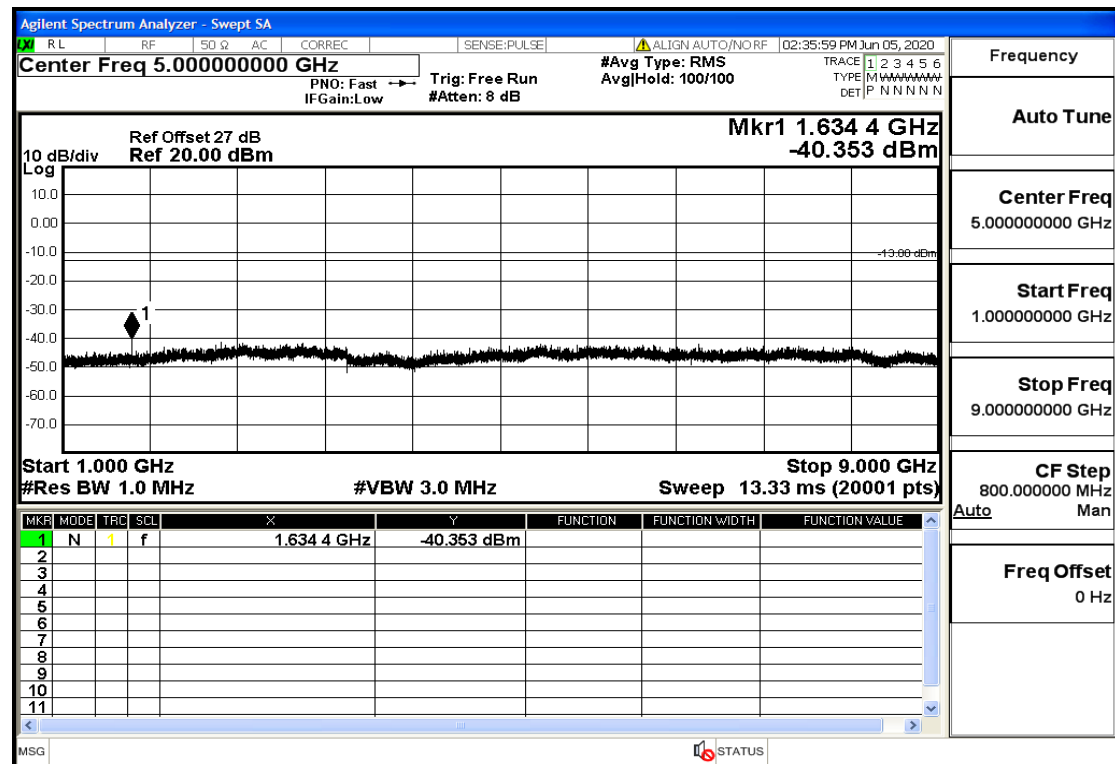
OB26A-5-819-QPSK-1#HIGH@1GHz-9GHz@Pass



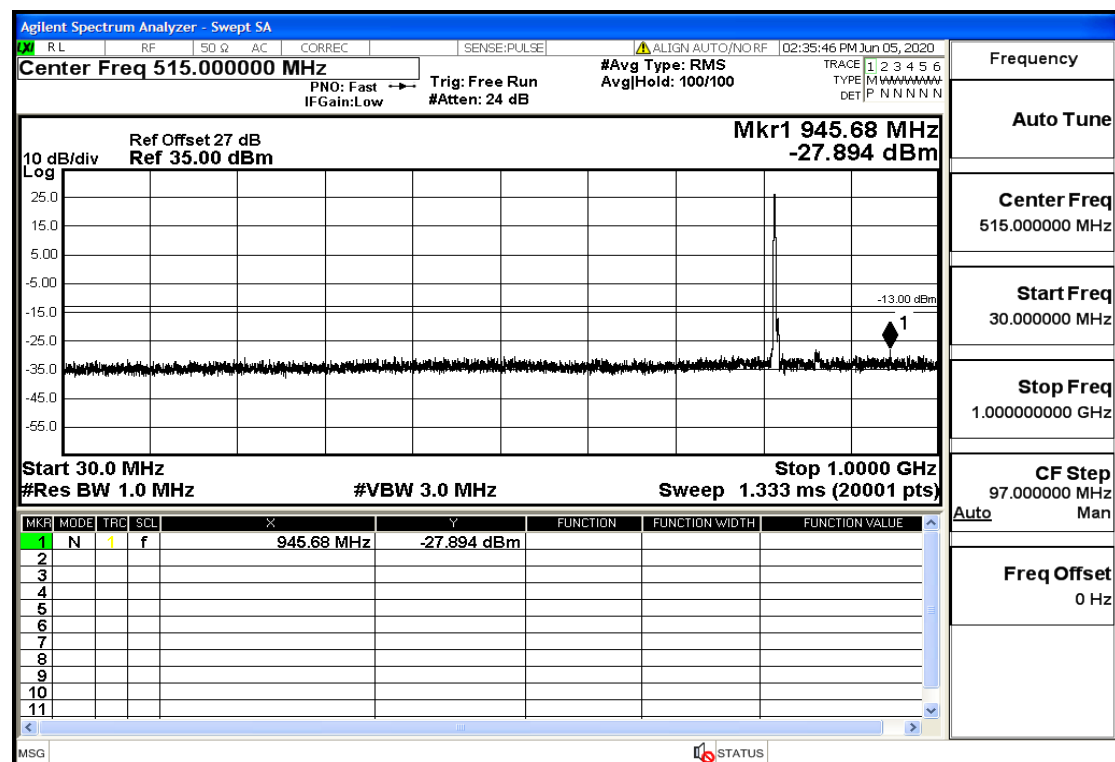
OB26A-5-819-QPSK-1#HIGH@30mHz-1GHz@Pass



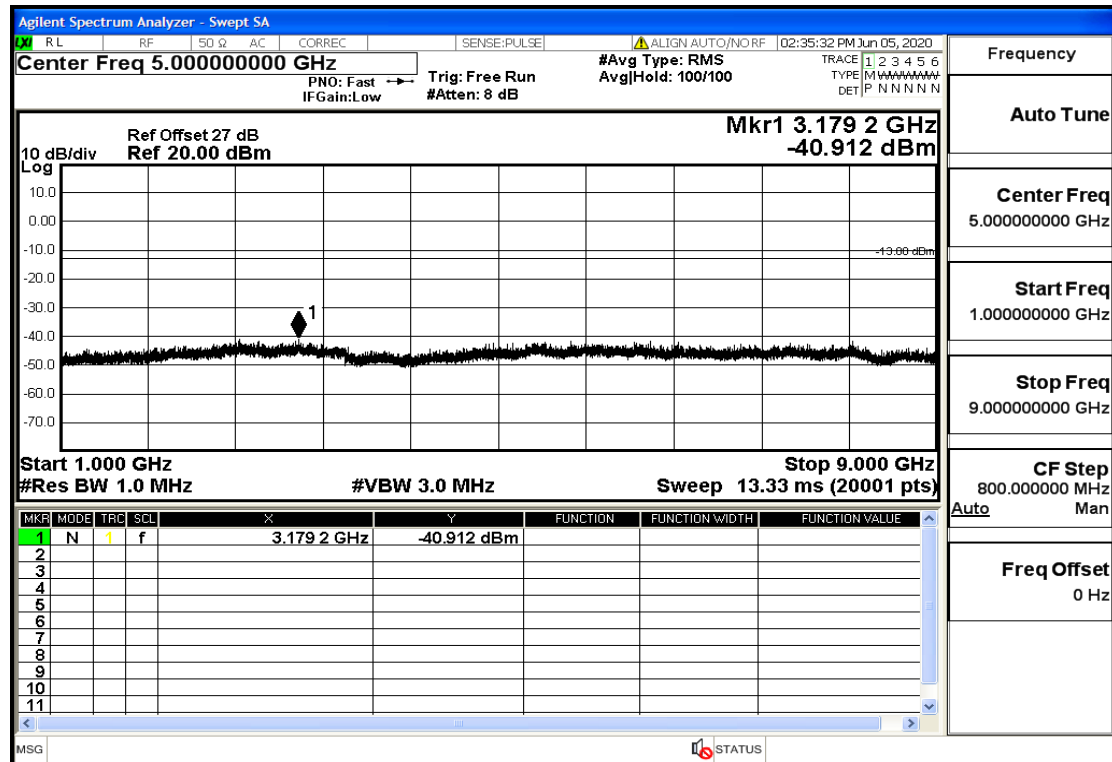
OB26A-5-819-QPSK-1#LOW@1GHz-9GHz@Pass



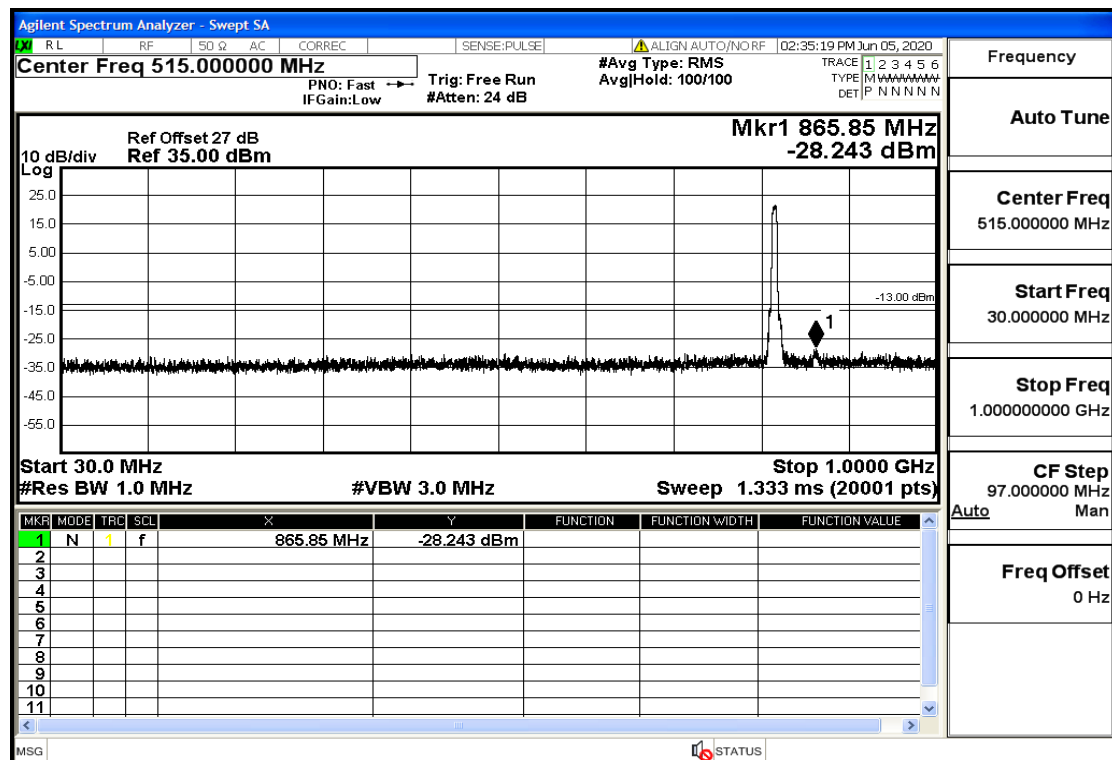
OB26A-5-819-QPSK-1#LOW@30mHz-1GHz@Pass



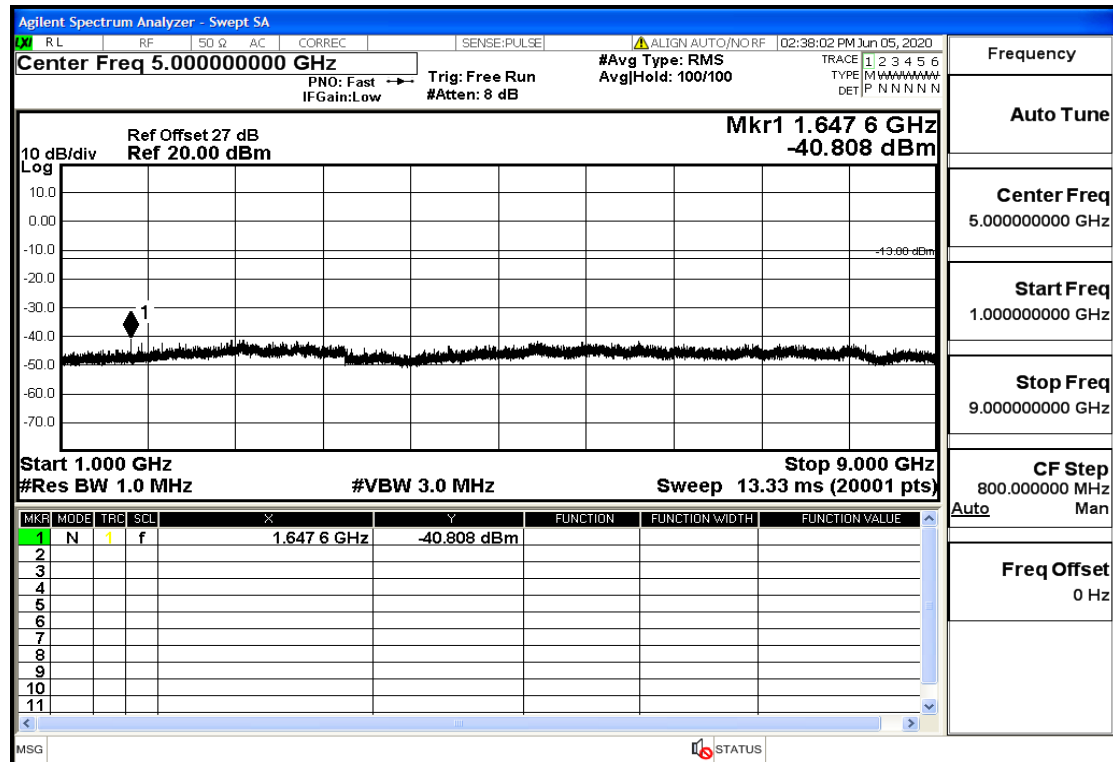
OB26A-5-819-QPSK-25#LOW@1GHz-9GHz@Pass



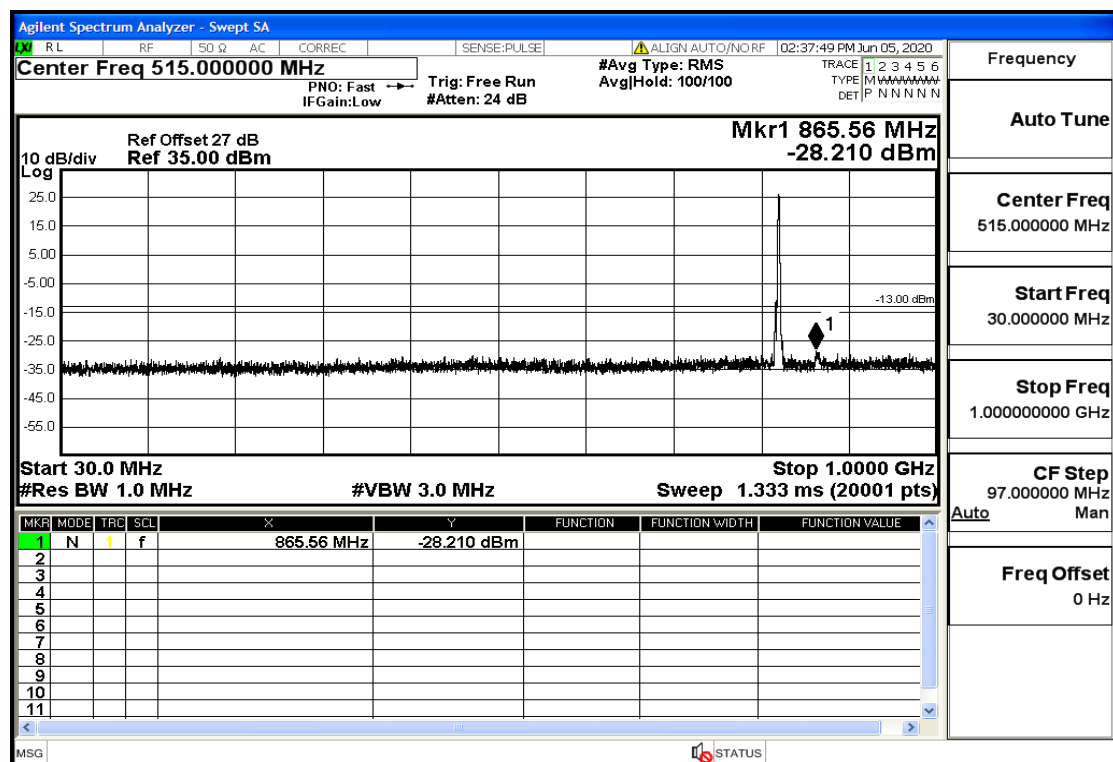
OB26A-5-819-QPSK-25#LOW@30mHz-1GHz@Pass



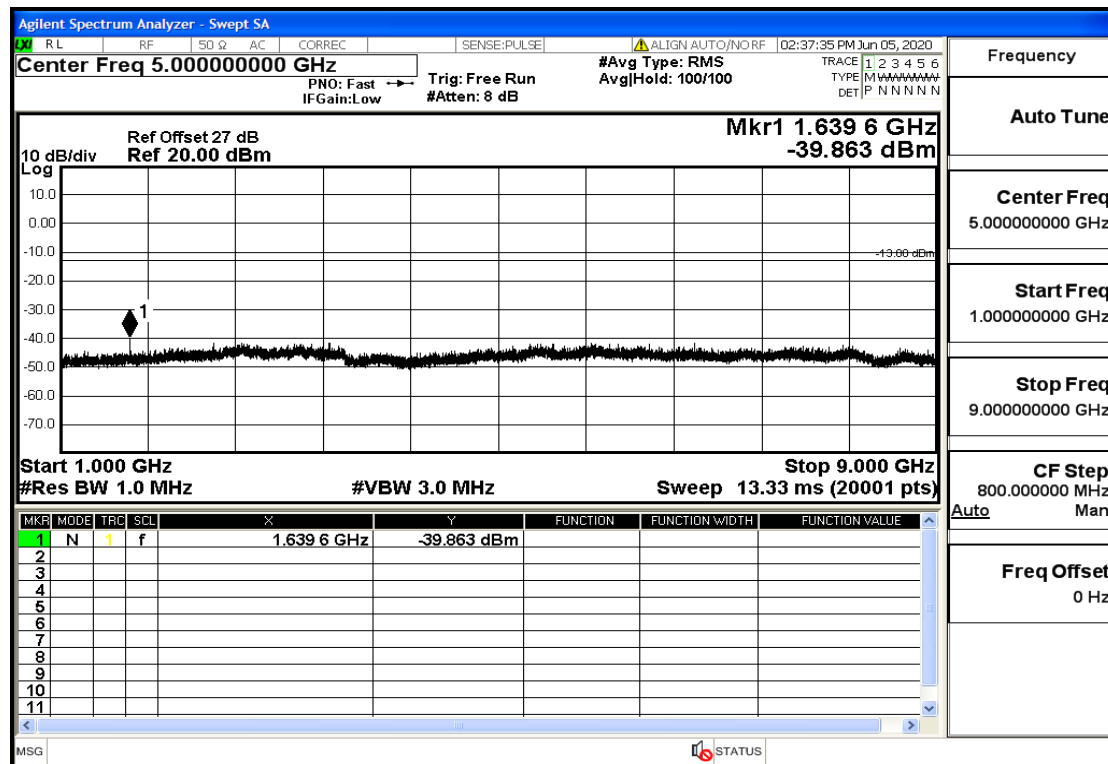
OB26A-5-821.5-QPSK-1#HIGH@1GHz-9GHz@Pass



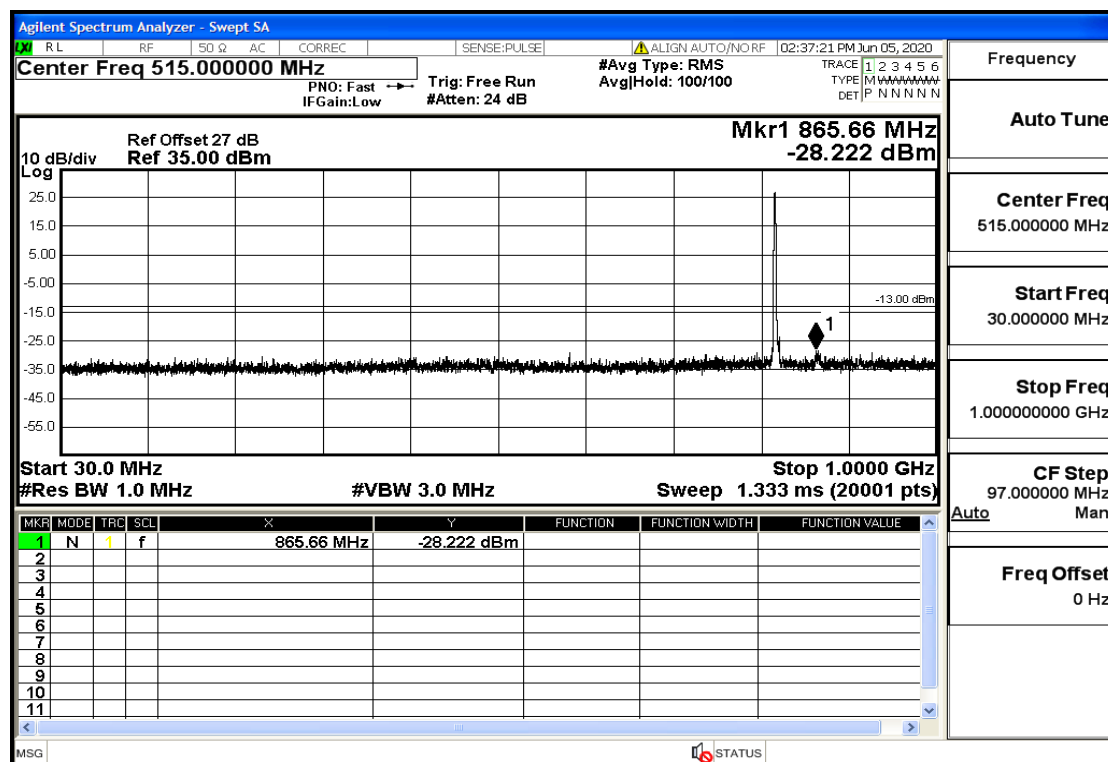
OB26A-5-821.5-QPSK-1#HIGH@30mHz-1GHz@Pass



OB26A-5-821.5-QPSK-1#LOW@1GHz-9GHz@Pass



OB26A-5-821.5-QPSK-1#LOW@30mHz-1GHz@Pass



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN AUTO/NO RF 02:37:08 PM Jun 05, 2020

Center Freq 5.000000000 GHz PNO: Fast IFGain:Low Trig: Free Run #Atten: 8 dB #Avg Type: RMS Avg/Hold: 100/100

TRACE 1 2 3 4 5 6 TYPE M W W W W W W W W DET P N N N N N N

Ref Offset 27 dB
Ref 20.00 dBm

Mkr1 2.644 4 GHz
-40.944 dBm

10 dB/div
Log

Start 1.000 GHz
#Res BW 1.0 MHz

#VBW 3.0 MHz

Stop 9.000 GHz
Sweep 13.33 ms (20001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.644 4 GHz	-40.944 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
5.000000000 GHz

Start Freq
1.000000000 GHz

Stop Freq
9.000000000 GHz

CF Step
800.000000 MHz

Auto Man

Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN AUTO/NO RF 02:36:54 PM Jun 05, 2020

Center Freq 515.000000 MHz PNO: Fast IFGain:Low Trig: Free Run #Atten: 24 dB #Avg Type: RMS Avg/Hold: 100/100

Ref Offset 27 dB Ref 35.00 dBm Mkr1 866.82 MHz -29.062 dBm

10 dB/div Log

Start 30.0 MHz Stop 1.0000 GHz

#Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.333 ms (20001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	866.82 MHz	-29.062 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG

STATUS

Frequency

Auto Tune

Center Freq 515.000000 MHz

Start Freq 30.000000 MHz

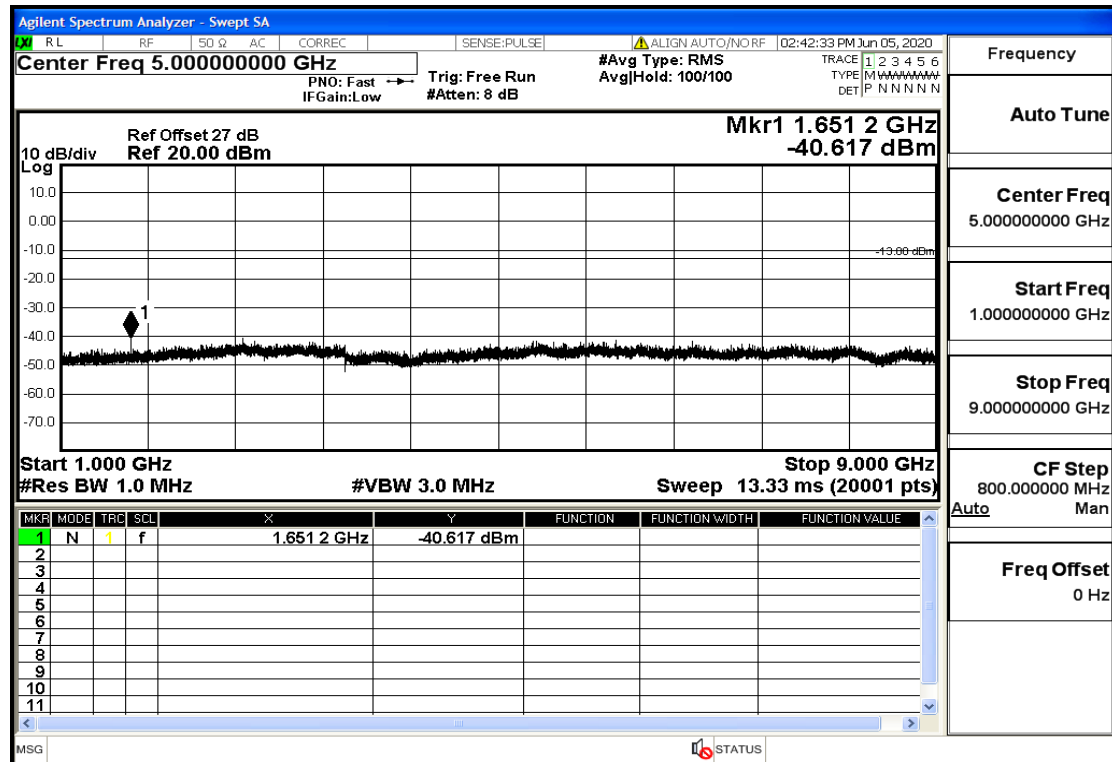
Stop Freq 1.000000000 GHz

CF Step 97.000000 MHz Man

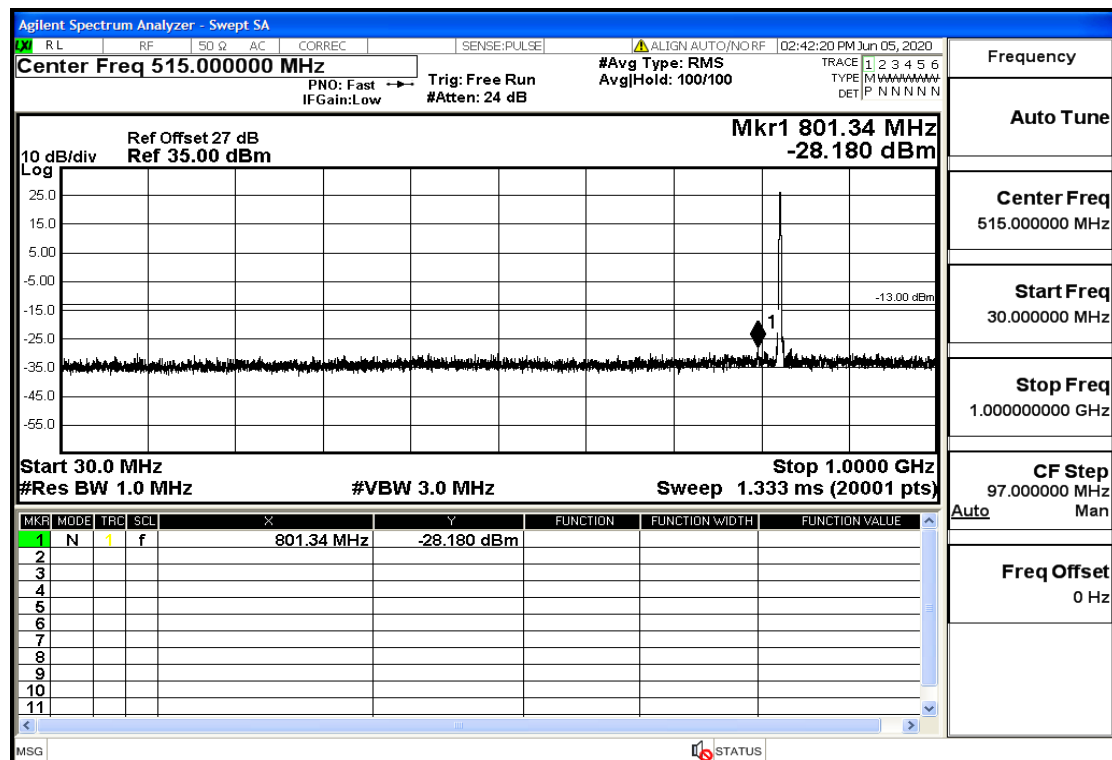
Auto

Freq Offset 0 Hz

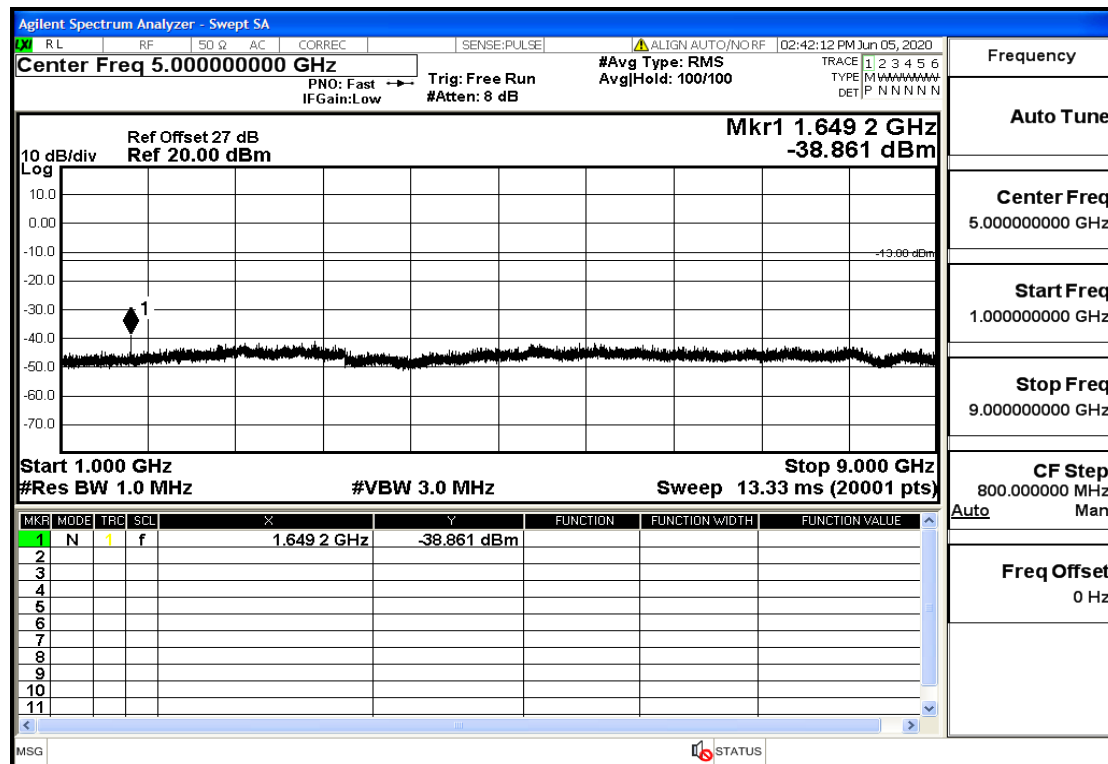
OB26B-1.4-824.7-QPSK-1#HIGH@1GHz-9GHz@Pass



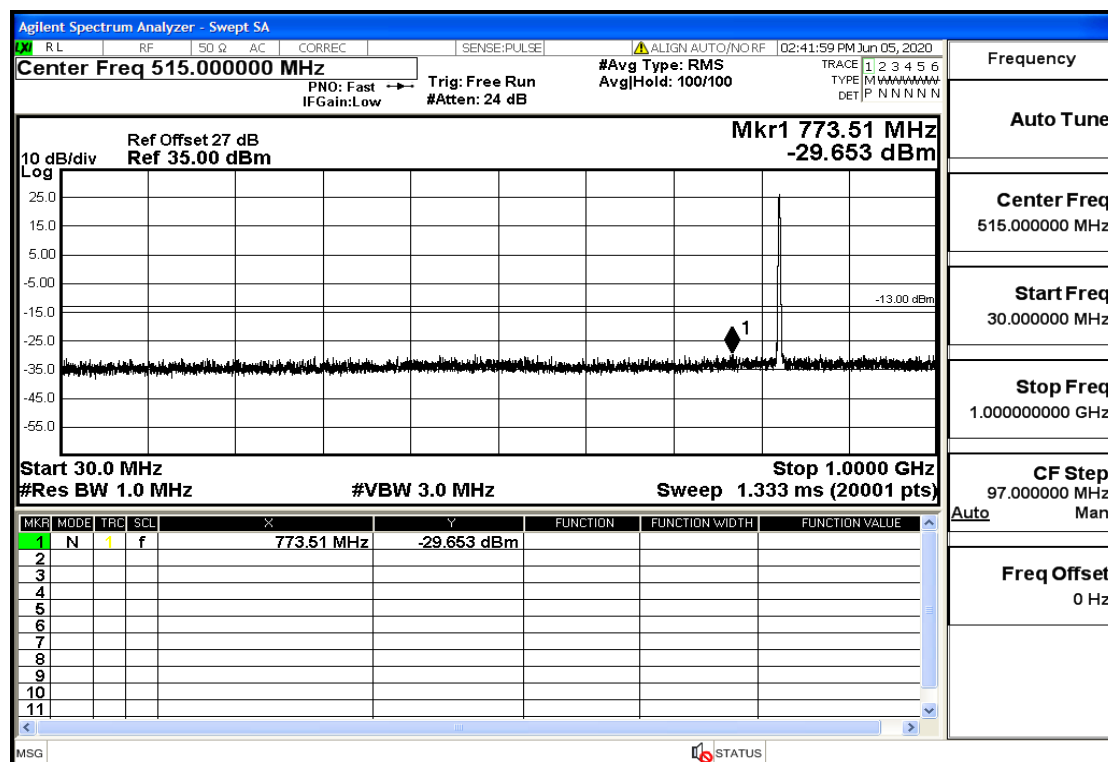
OB26B-1.4-824.7-QPSK-1#HIGH@30mHz-1GHz@Pass



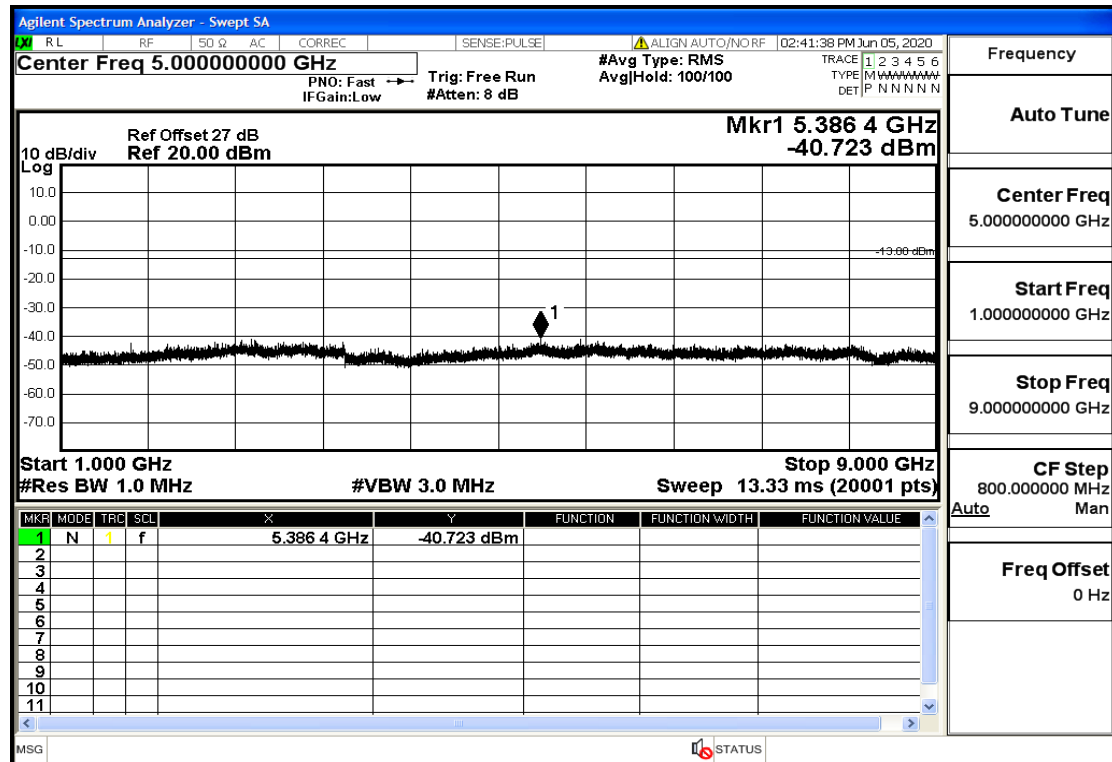
OB26B-1.4-824.7-QPSK-1#LOW@1GHz-9GHz@Pass



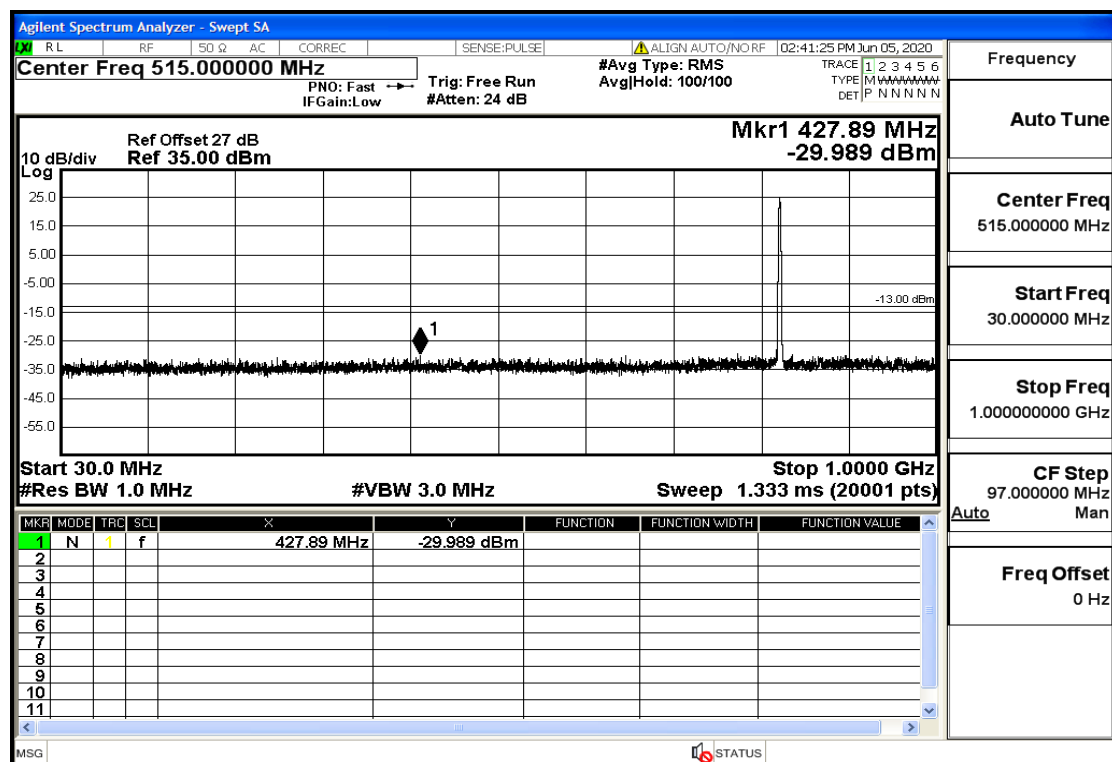
OB26B-1.4-824.7-QPSK-1#LOW@30mHz-1GHz@Pass



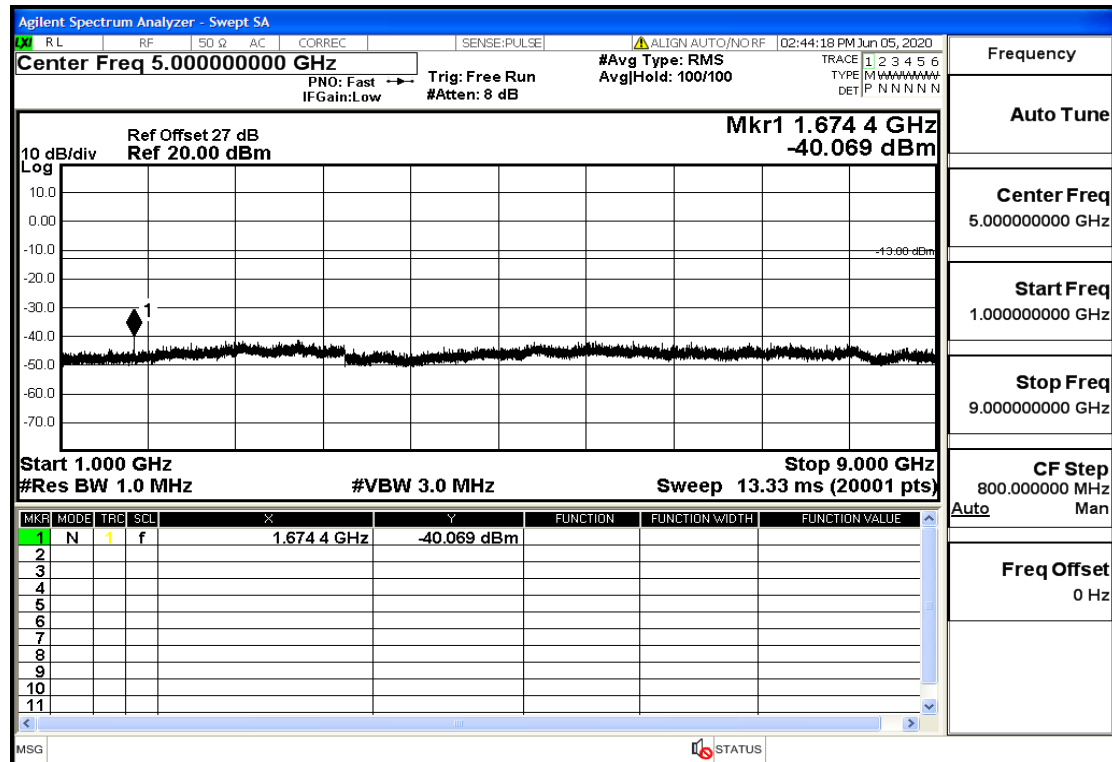
OB26B-1.4-824.7-QPSK-6#LOW@1GHz-9GHz@Pass



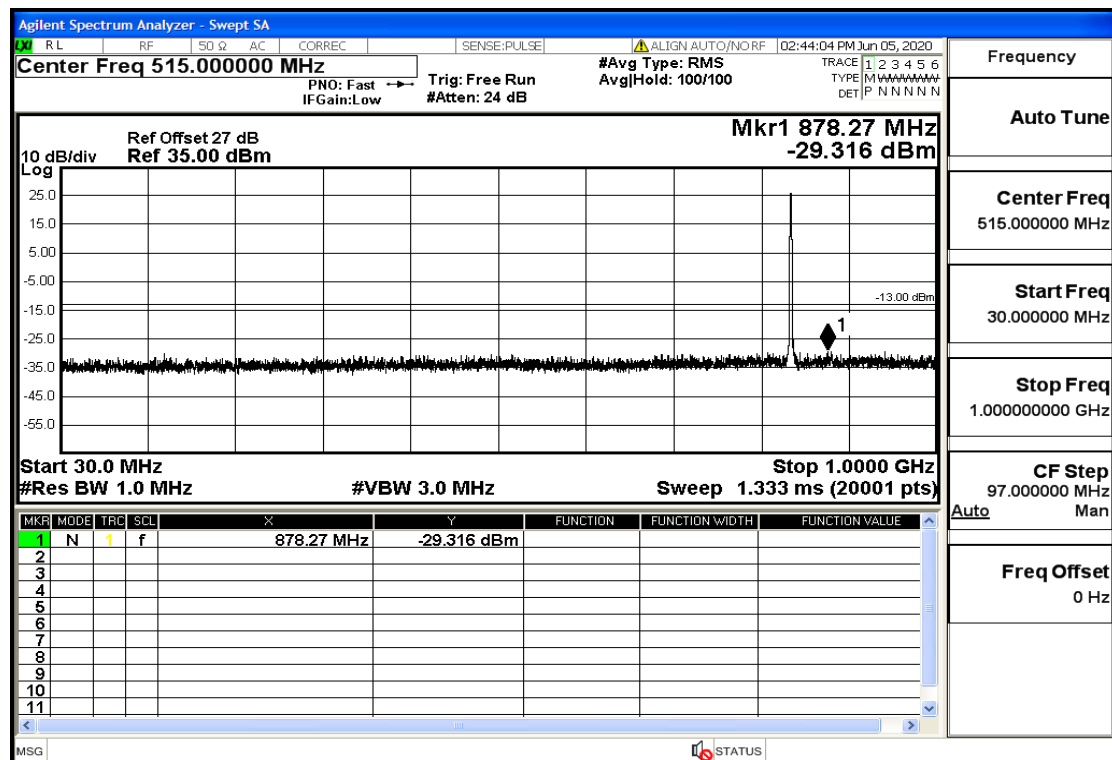
OB26B-1.4-824.7-QPSK-6#LOW@30mHz-1GHz@Pass



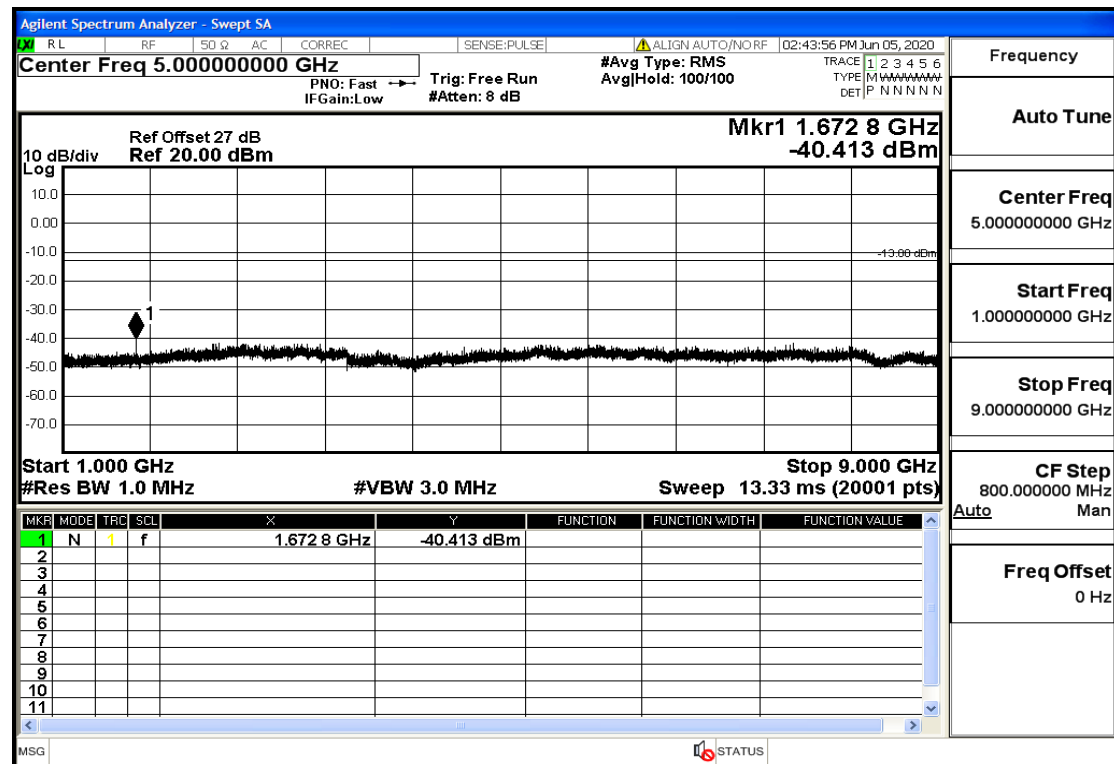
OB26B-1.4-836.5-QPSK-1#HIGH@1GHz-9GHz@Pass



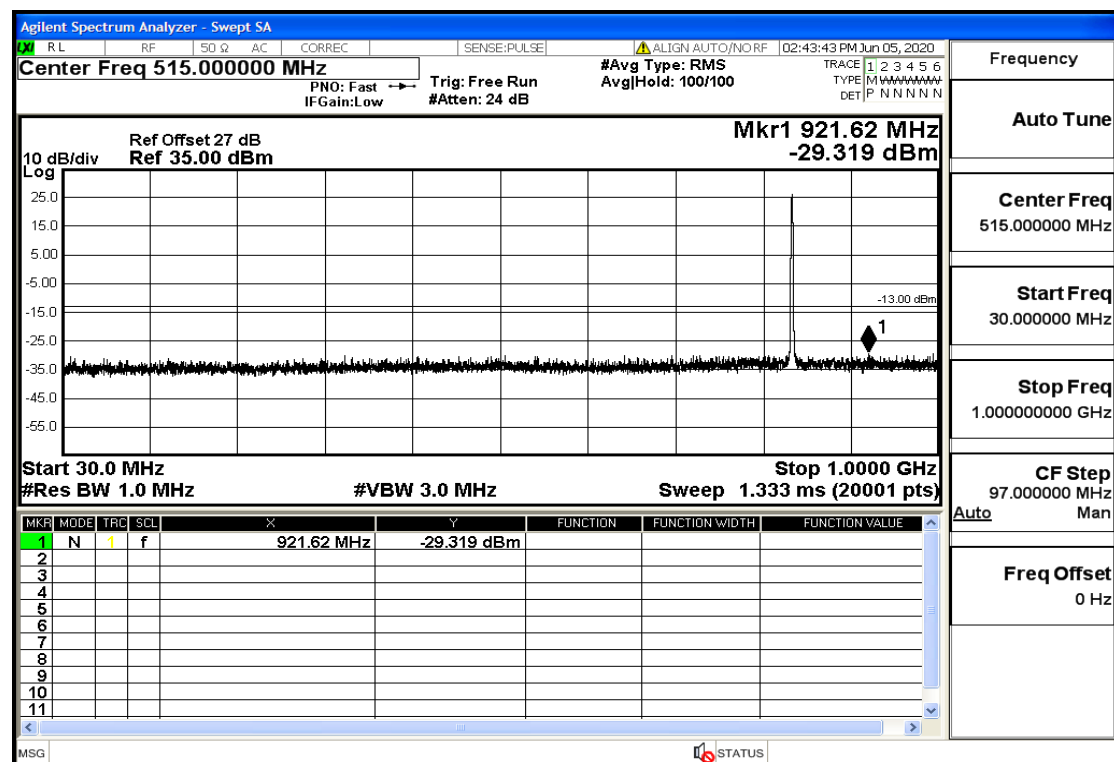
OB26B-1.4-836.5-QPSK-1#HIGH@30mHz-1GHz@Pass



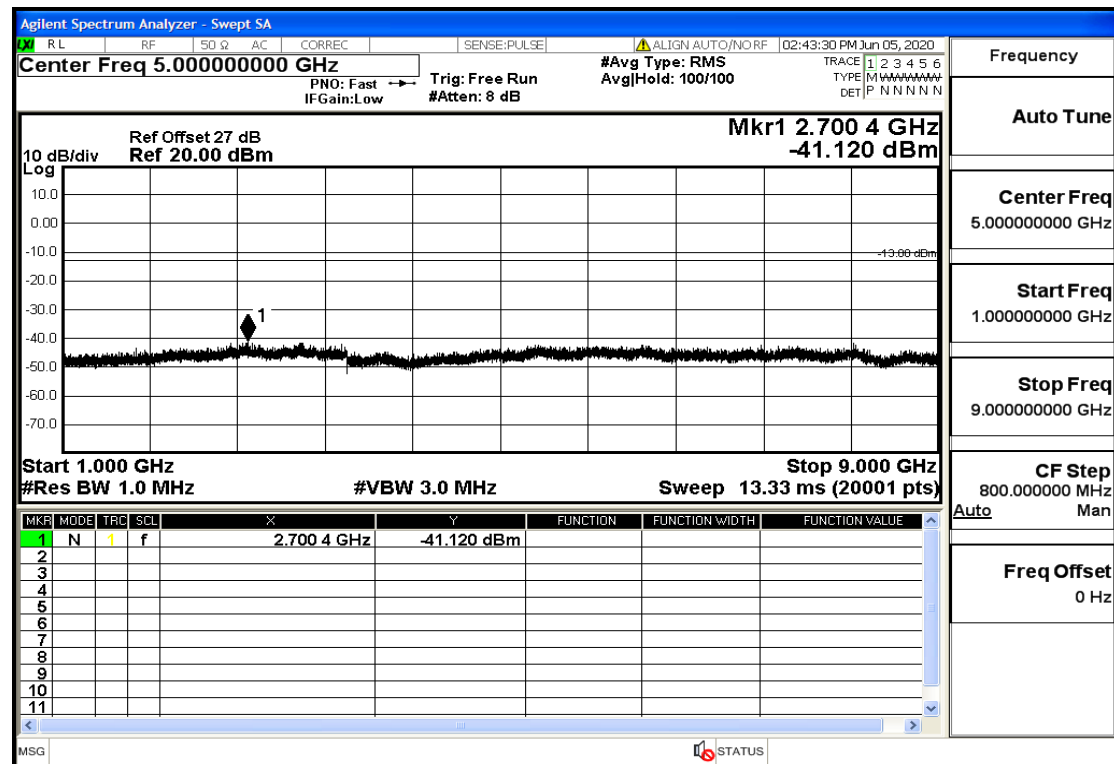
OB26B-1.4-836.5-QPSK-1#LOW@1GHz-9GHz@Pass



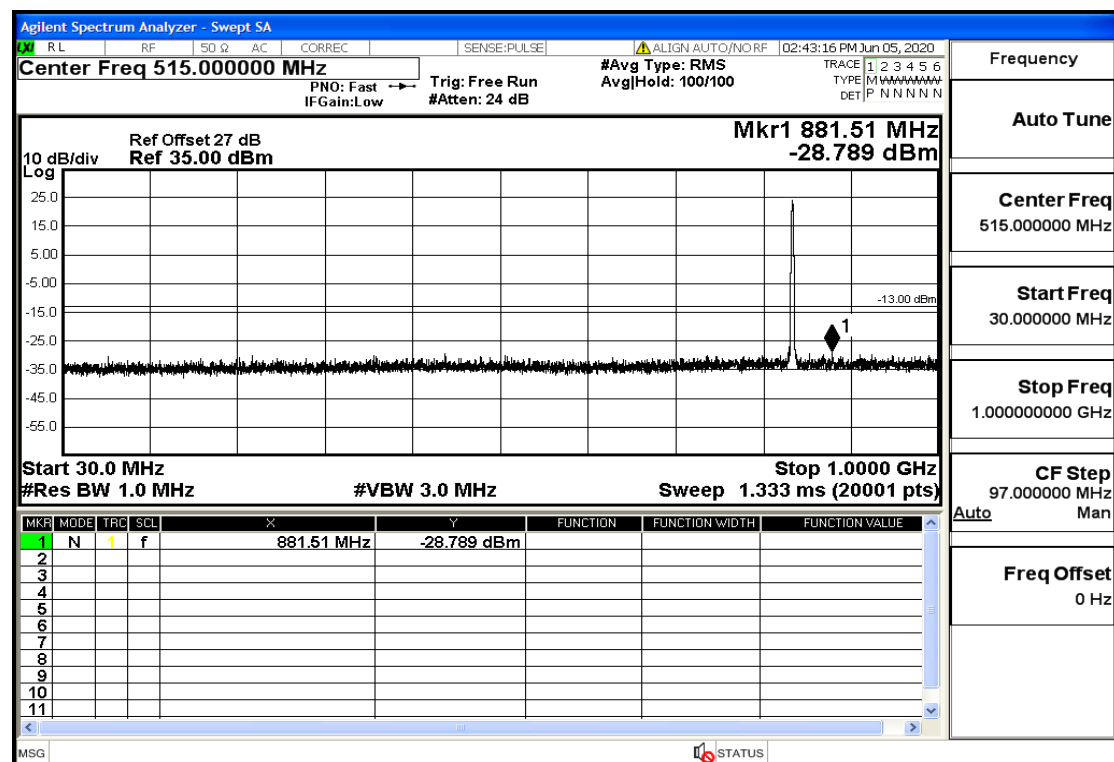
OB26B-1.4-836.5-QPSK-1#LOW@30mHz-1GHz@Pass



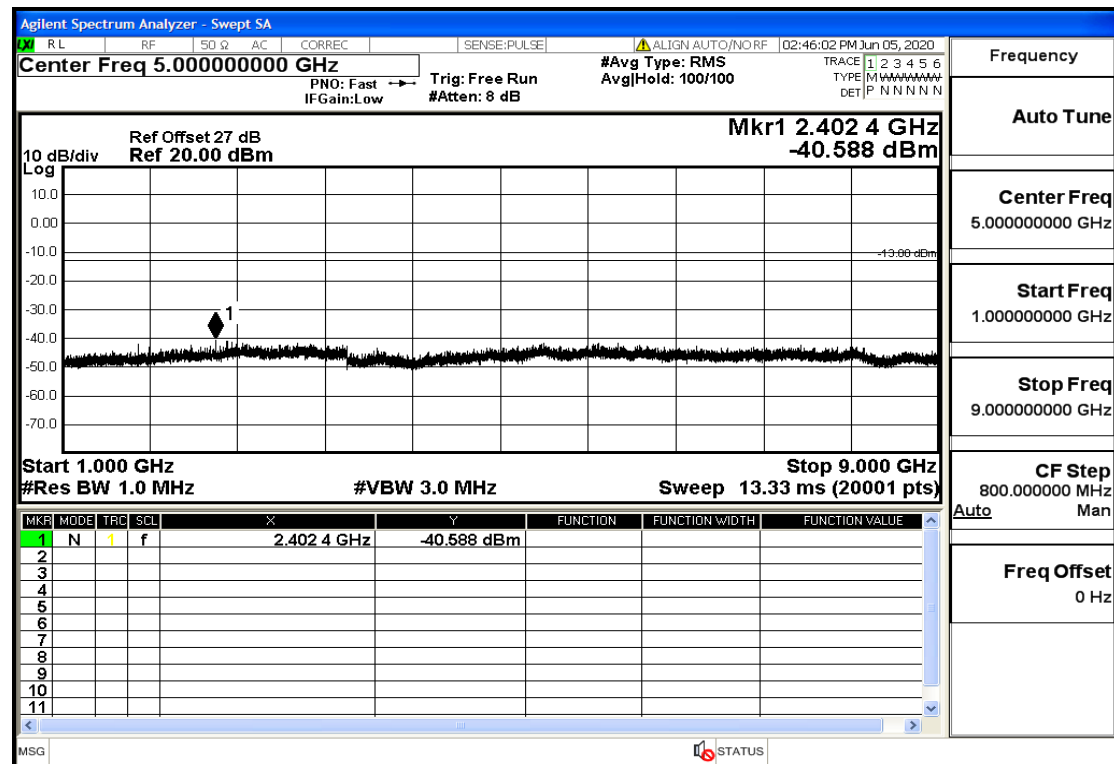
OB26B-1.4-836.5-QPSK-6#LOW@1GHz-9GHz@Pass



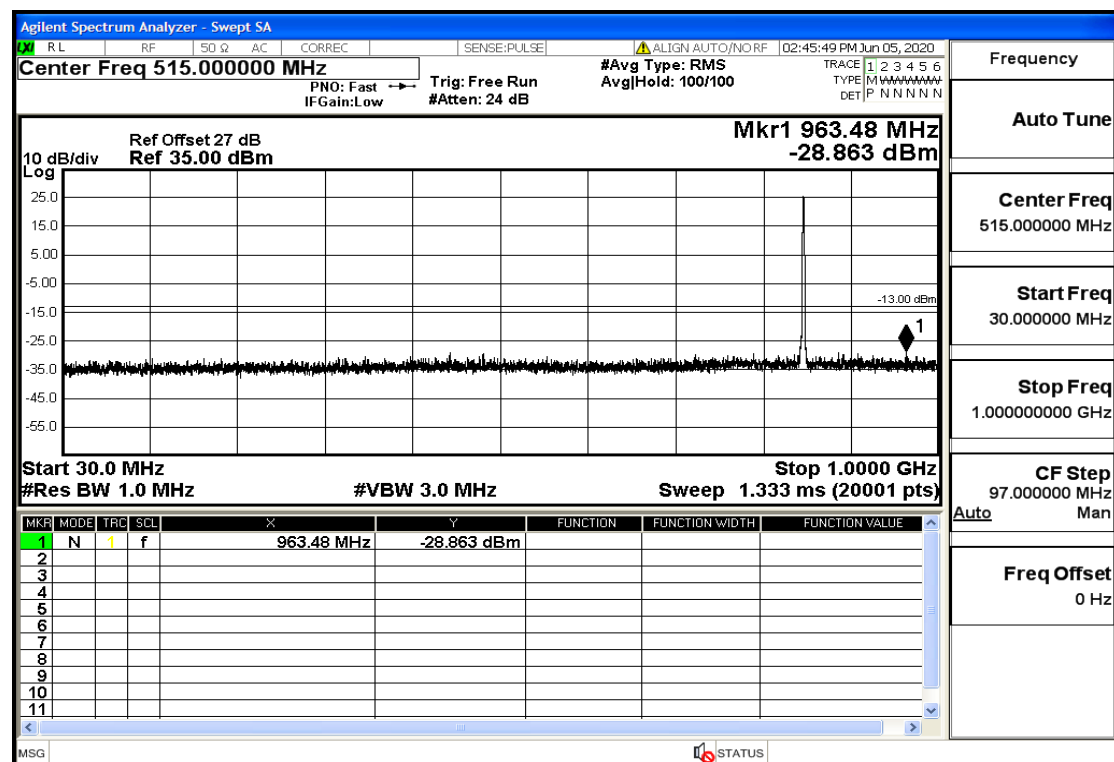
OB26B-1.4-836.5-QPSK-6#LOW@30mHz-1GHz@Pass



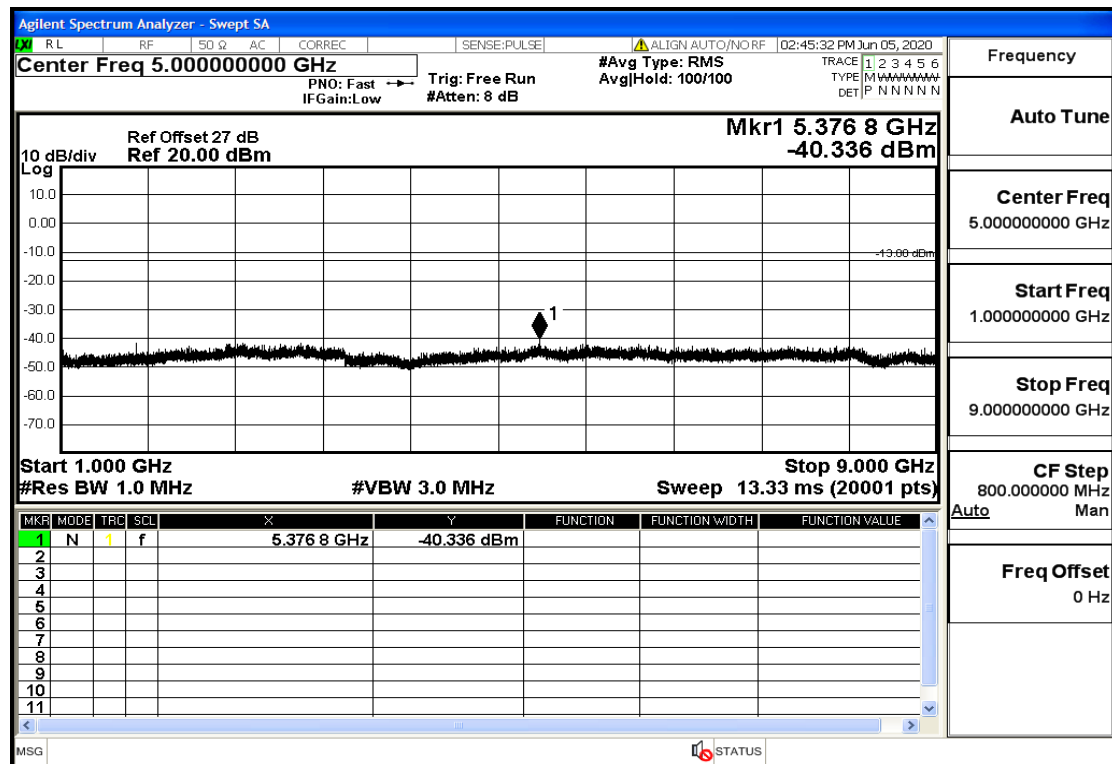
OB26B-1.4-848.3-QPSK-1#HIGH@1GHz-9GHz@Pass



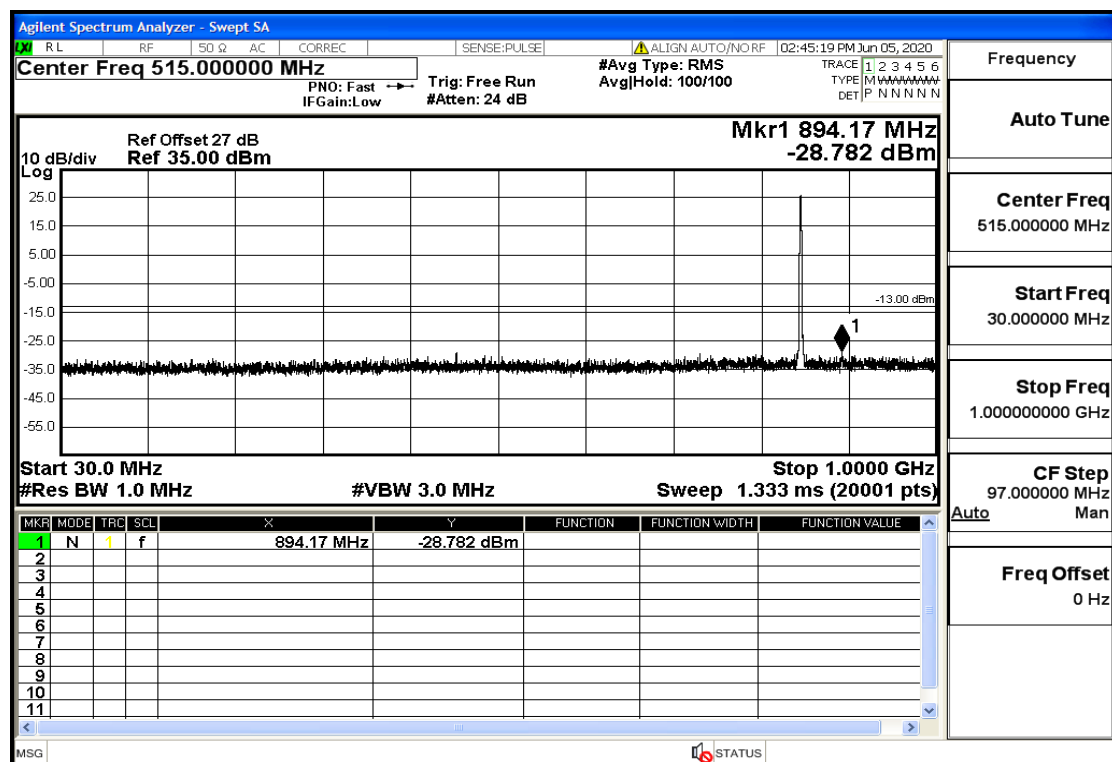
OB26B-1.4-848.3-QPSK-1#HIGH@30mHz-1GHz@Pass



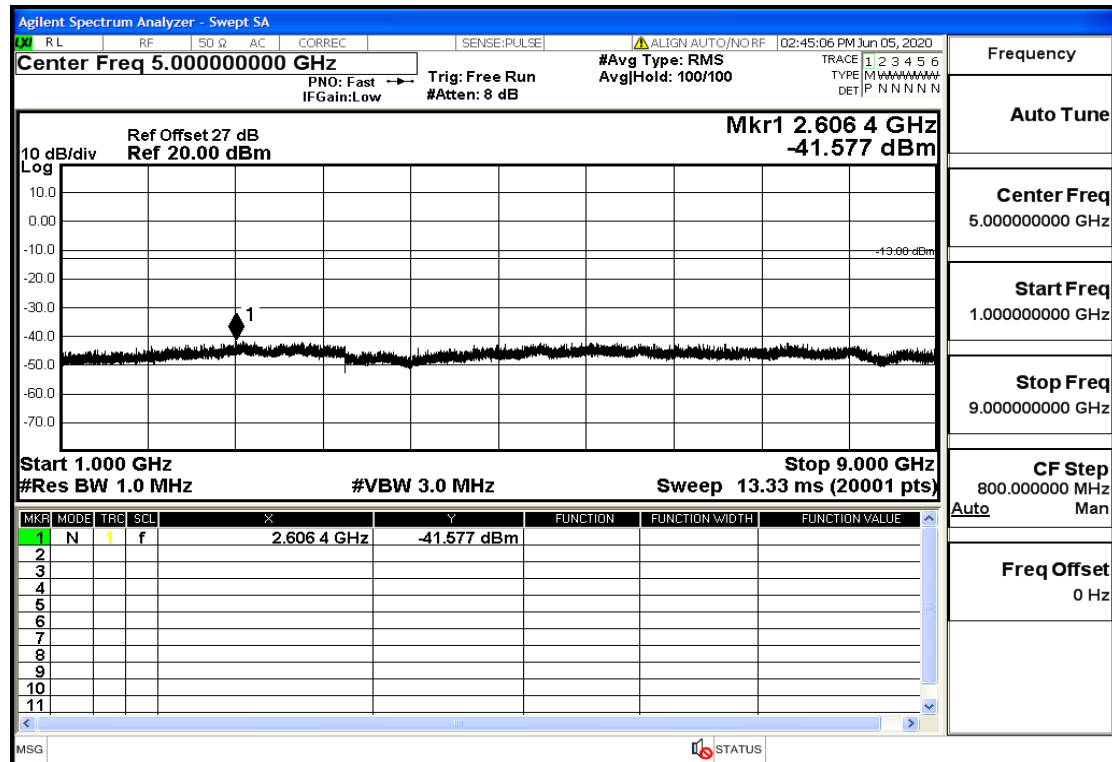
OB26B-1.4-848.3-QPSK-1#LOW@1GHz-9GHz@Pass



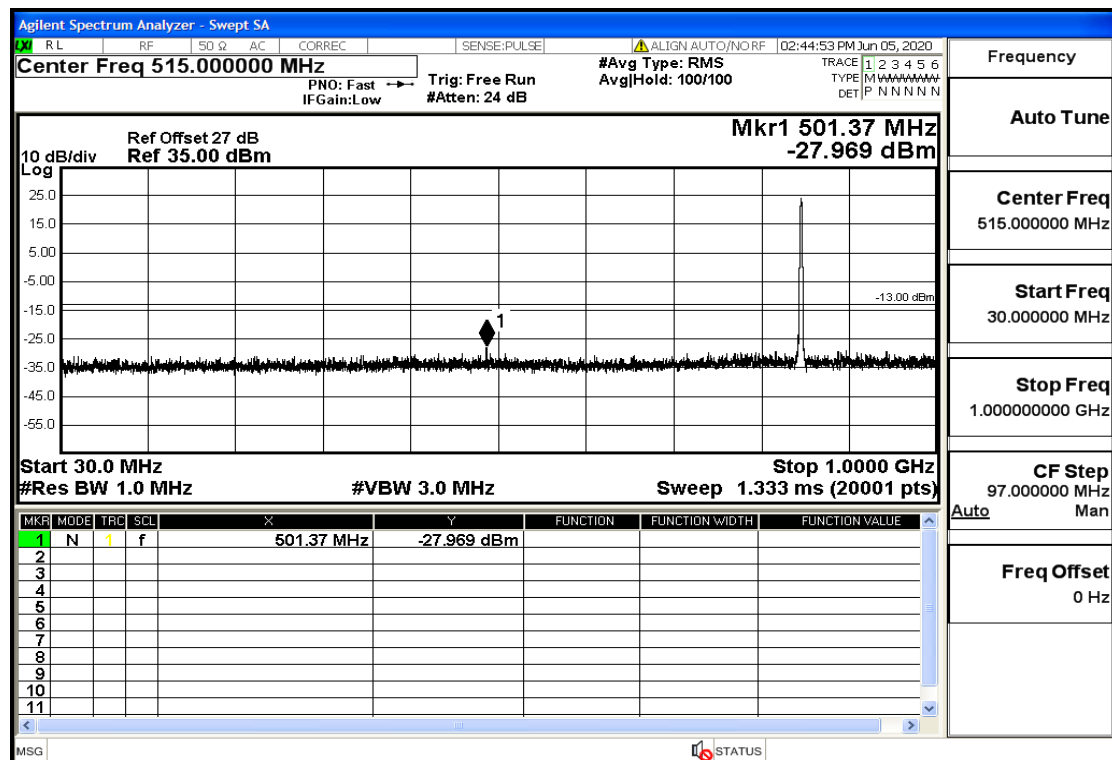
OB26B-1.4-848.3-QPSK-1#LOW@30mHz-1GHz@Pass



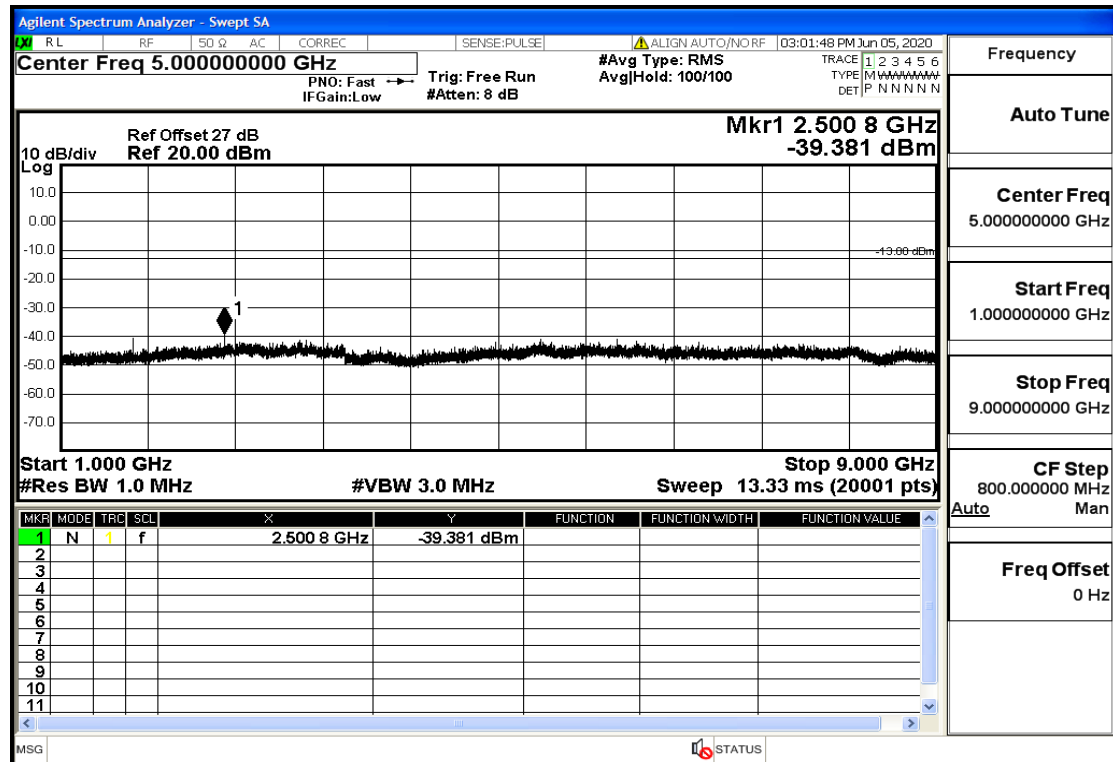
OB26B-1.4-848.3-QPSK-6#LOW@1GHz-9GHz@Pass



OB26B-1.4-848.3-QPSK-6#LOW@30mHz-1GHz@Pass



OB26B-10-829-QPSK-1#HIGH@1GHz-9GHz@Pass



OB26B-10-829-QPSK-1#HIGH@30mHz-1GHz@Pass

