

RF Test Data for LTE (Conducted Measurement)

Product Name: smart phone
Trade Mark: YEZZ
Test Model: MAX 3
FCC ID: 2APW4MAX3

Environmental Conditions

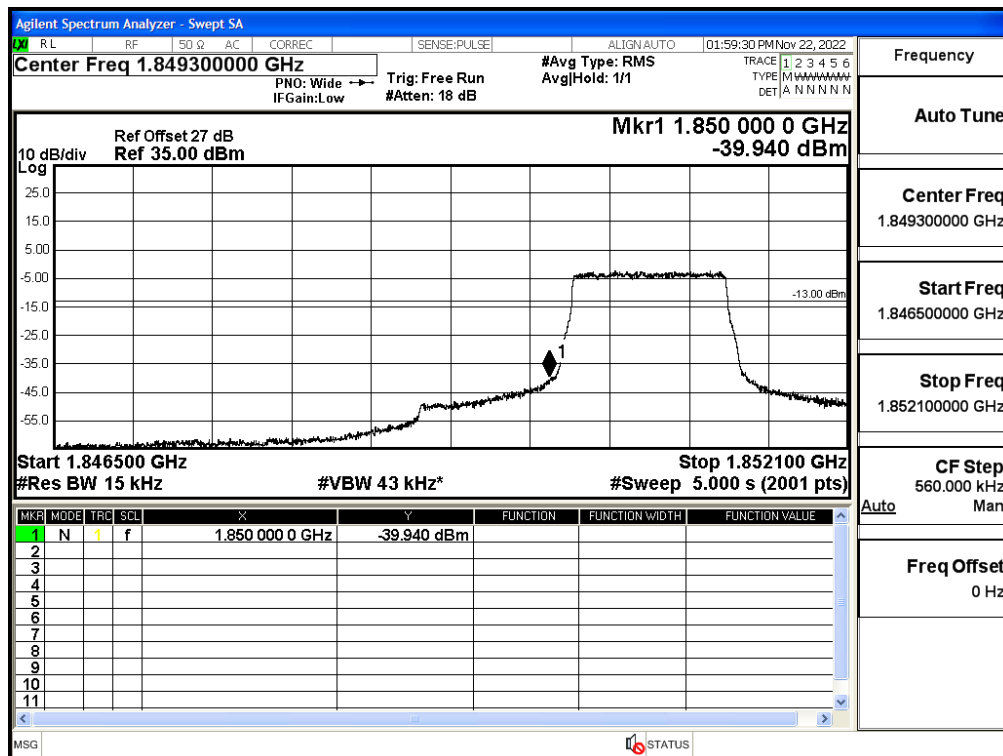
Temperature:	23.8℃
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
Remark:	For LTE Band2

Band Edge and Emission Mask

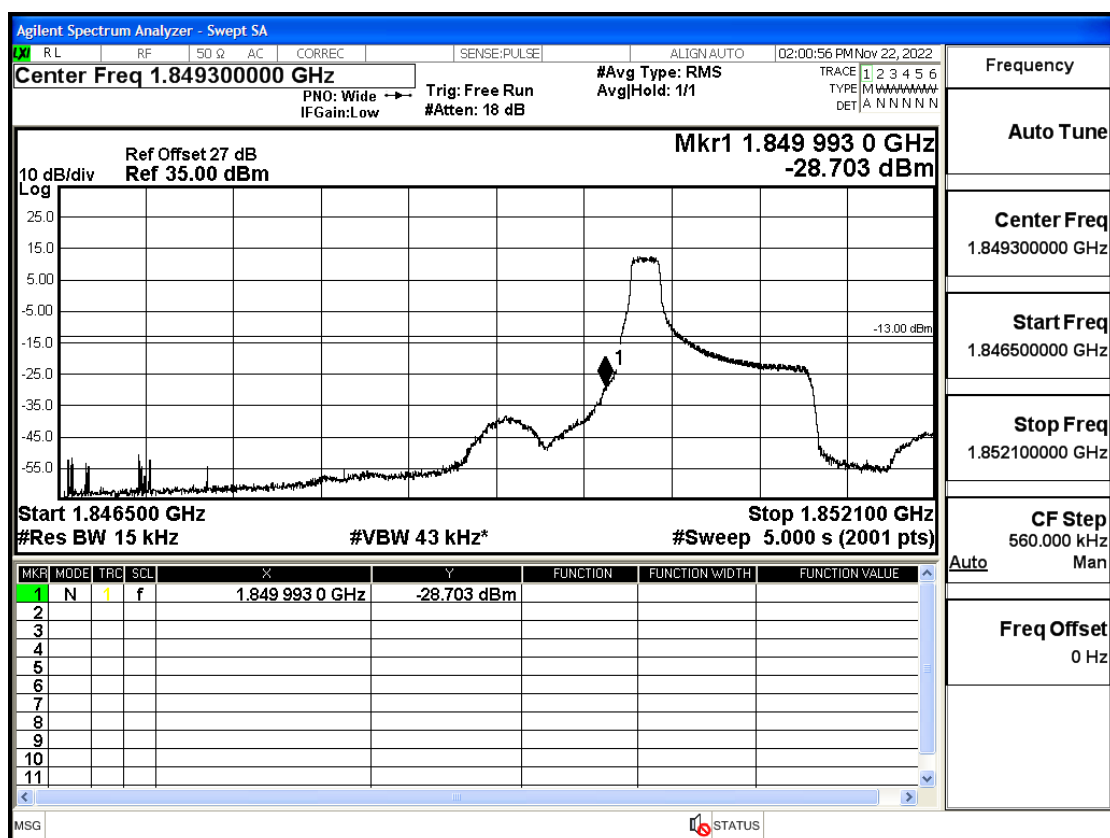
Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Conclusion
Band2	1.4	1850.7	QPSK	6	LOW	Pass
Band2	1.4	1850.7	QPSK	1	LOW	Pass
Band2	1.4	1850.7	16QAM	6	LOW	Pass
Band2	1.4	1850.7	16QAM	1	LOW	Pass
Band2	1.4	1909.3	QPSK	6	LOW	Pass
Band2	1.4	1909.3	QPSK	1	HIGH	Pass
Band2	1.4	1909.3	16QAM	6	LOW	Pass
Band2	1.4	1909.3	16QAM	1	HIGH	Pass
Band2	3	1851.5	QPSK	15	LOW	Pass
Band2	3	1851.5	QPSK	1	LOW	Pass
Band2	3	1851.5	16QAM	15	LOW	Pass
Band2	3	1851.5	16QAM	1	LOW	Pass
Band2	3	1908.5	QPSK	15	LOW	Pass
Band2	3	1908.5	QPSK	1	HIGH	Pass
Band2	3	1908.5	16QAM	15	LOW	Pass
Band2	3	1908.5	16QAM	1	HIGH	Pass
Band2	5	1852.5	QPSK	25	LOW	Pass
Band2	5	1852.5	QPSK	1	LOW	Pass
Band2	5	1852.5	16QAM	25	LOW	Pass
Band2	5	1852.5	16QAM	1	LOW	Pass
Band2	5	1907.5	QPSK	25	LOW	Pass
Band2	5	1907.5	QPSK	1	HIGH	Pass
Band2	5	1907.5	16QAM	25	LOW	Pass
Band2	5	1907.5	16QAM	1	HIGH	Pass
Band2	10	1855	QPSK	50	LOW	Pass
Band2	10	1855	QPSK	1	LOW	Pass
Band2	10	1855	16QAM	50	LOW	Pass
Band2	10	1855	16QAM	1	LOW	Pass
Band2	10	1905	QPSK	50	LOW	Pass
Band2	10	1905	QPSK	1	HIGH	Pass
Band2	10	1905	16QAM	50	LOW	Pass
Band2	10	1905	16QAM	1	HIGH	Pass
Band2	15	1857.5	QPSK	75	LOW	Pass
Band2	15	1857.5	QPSK	1	LOW	Pass
Band2	15	1857.5	16QAM	75	LOW	Pass
Band2	15	1857.5	16QAM	1	LOW	Pass
Band2	15	1902.5	QPSK	75	LOW	Pass
Band2	15	1902.5	QPSK	1	HIGH	Pass
Band2	15	1902.5	16QAM	75	LOW	Pass
Band2	15	1902.5	16QAM	1	HIGH	Pass
Band2	20	1860	QPSK	100	LOW	Pass

Band2	20	1860	QPSK	1	LOW	Pass
Band2	20	1860	16QAM	100	LOW	Pass
Band2	20	1860	16QAM	1	LOW	Pass
Band2	20	1900	QPSK	100	LOW	Pass
Band2	20	1900	QPSK	1	HIGH	Pass
Band2	20	1900	16QAM	100	LOW	Pass
Band2	20	1900	16QAM	1	HIGH	Pass

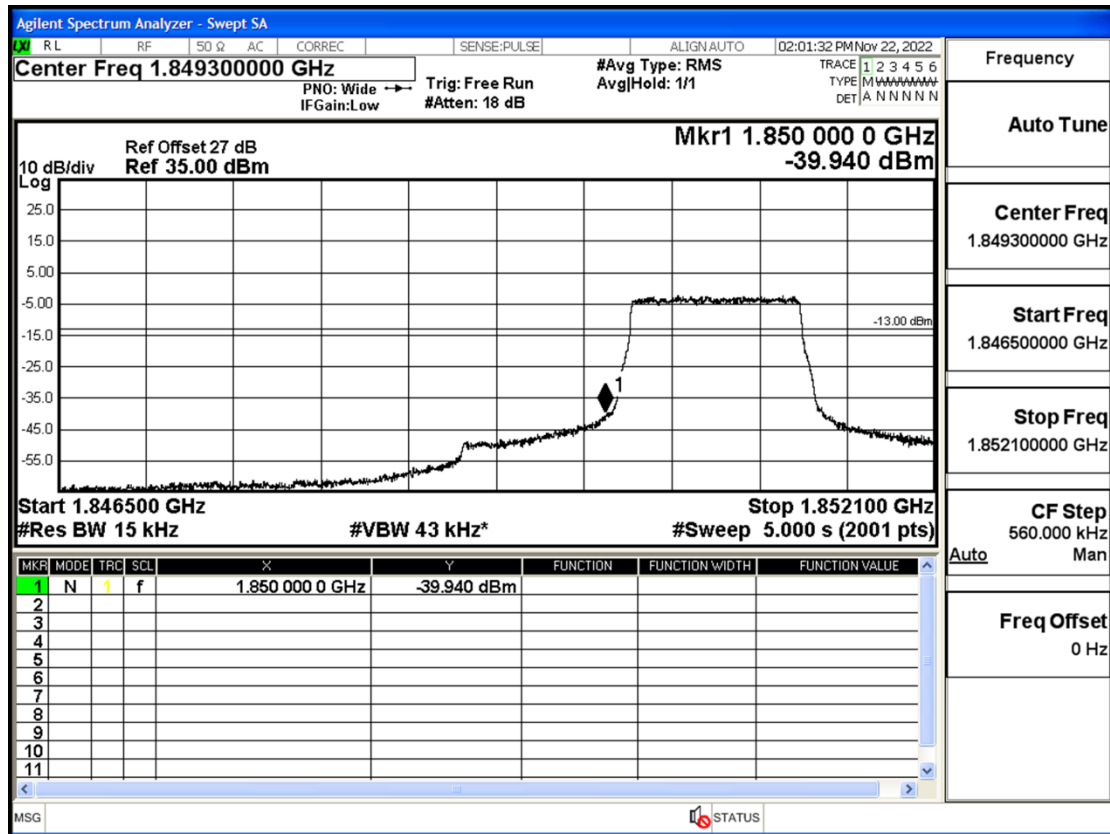
Band2-1.4-1850.7-QPSK-6#LOW@Pass



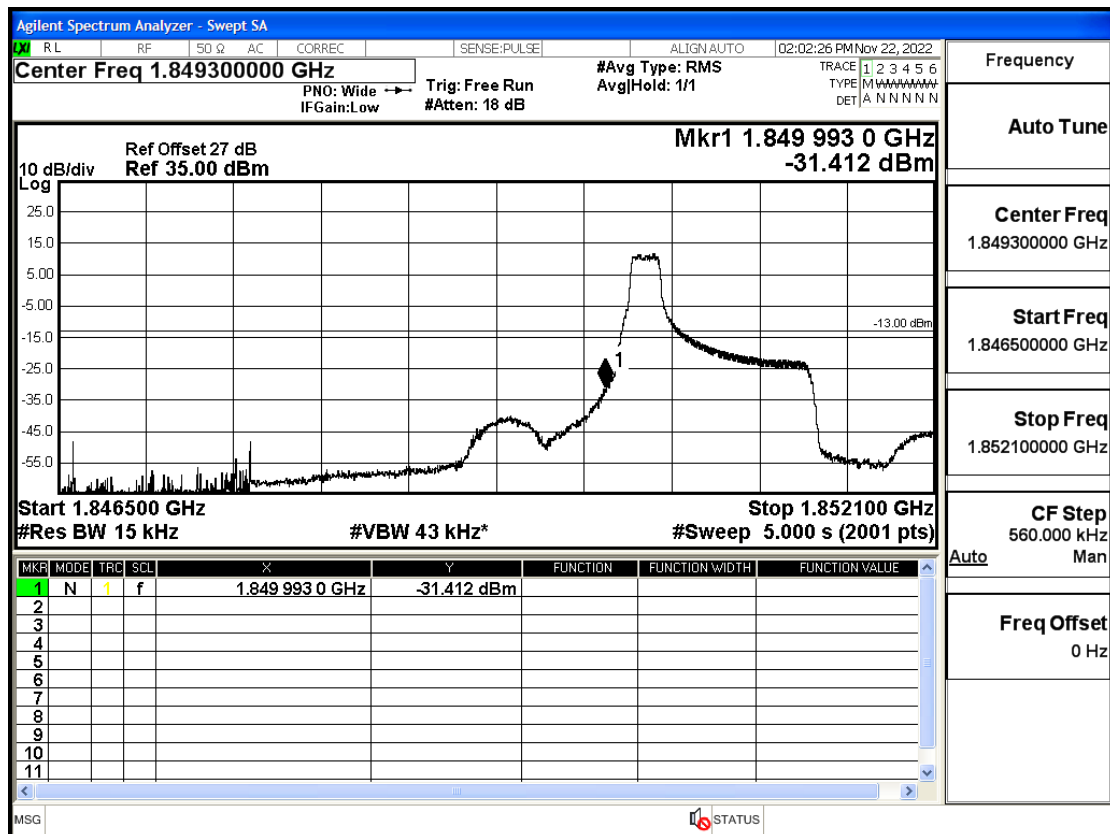
Band2-1.4-1850.7-QPSK-1#LOW@Pass



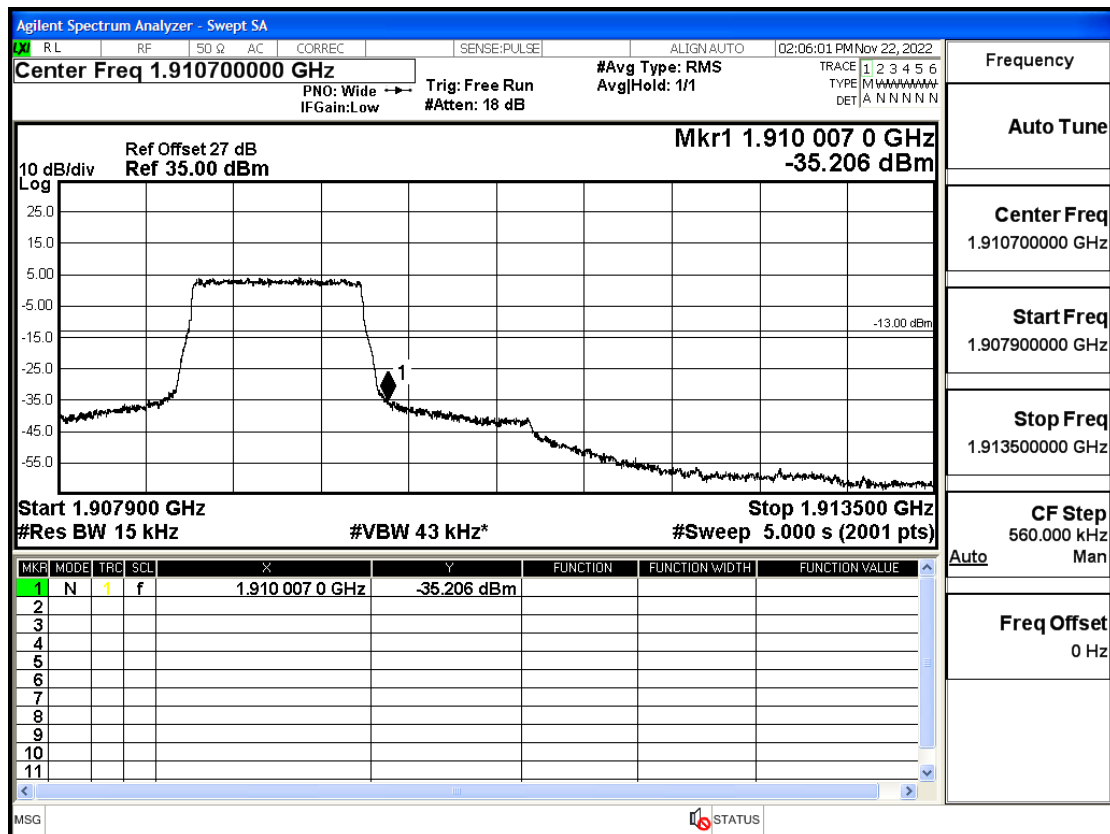
Band2-1.4-1850.7-16QAM-6#LOW@Pass



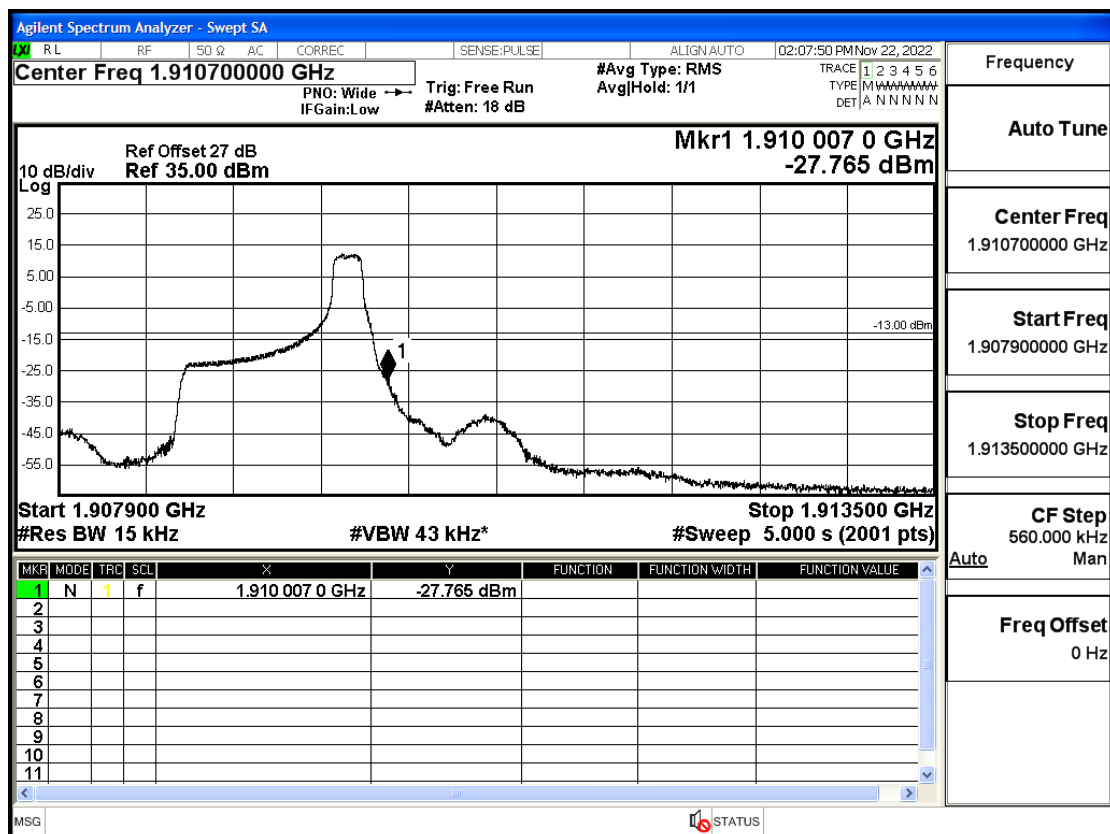
Band2-1.4-1850.7-16QAM-1#LOW@Pass



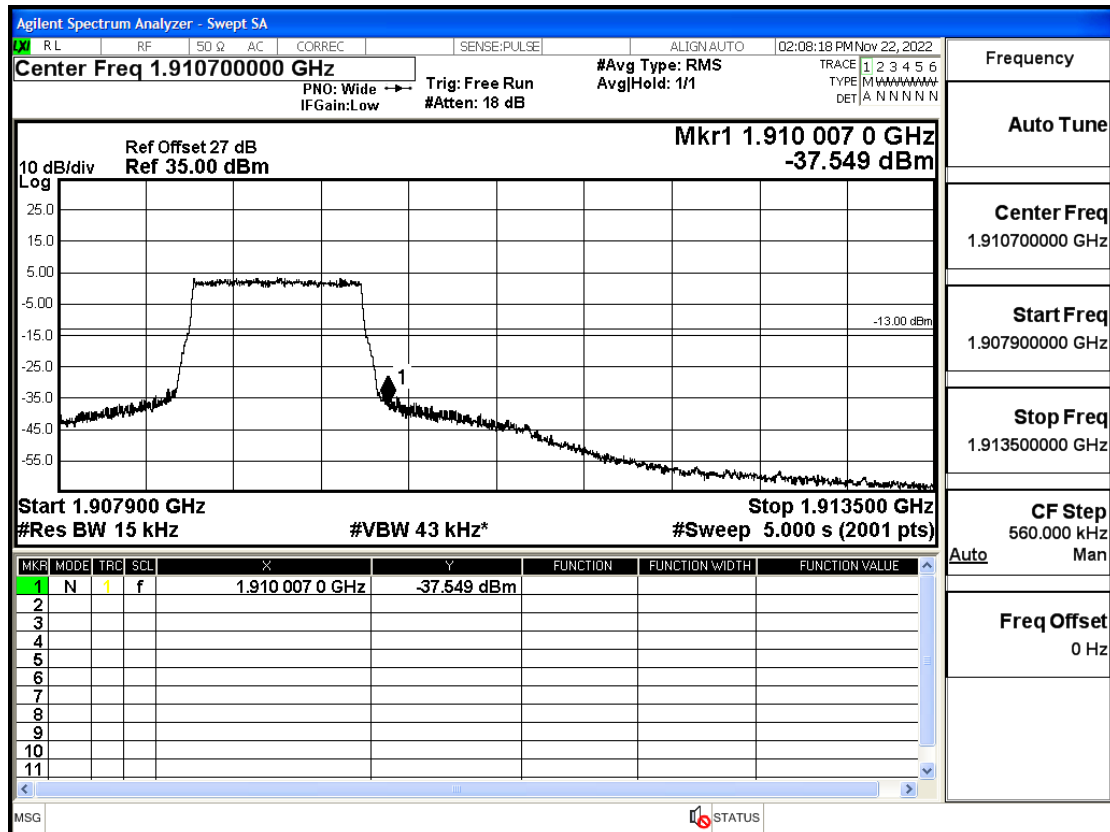
Band2-1.4-1909.3-QPSK-6#LOW@Pass



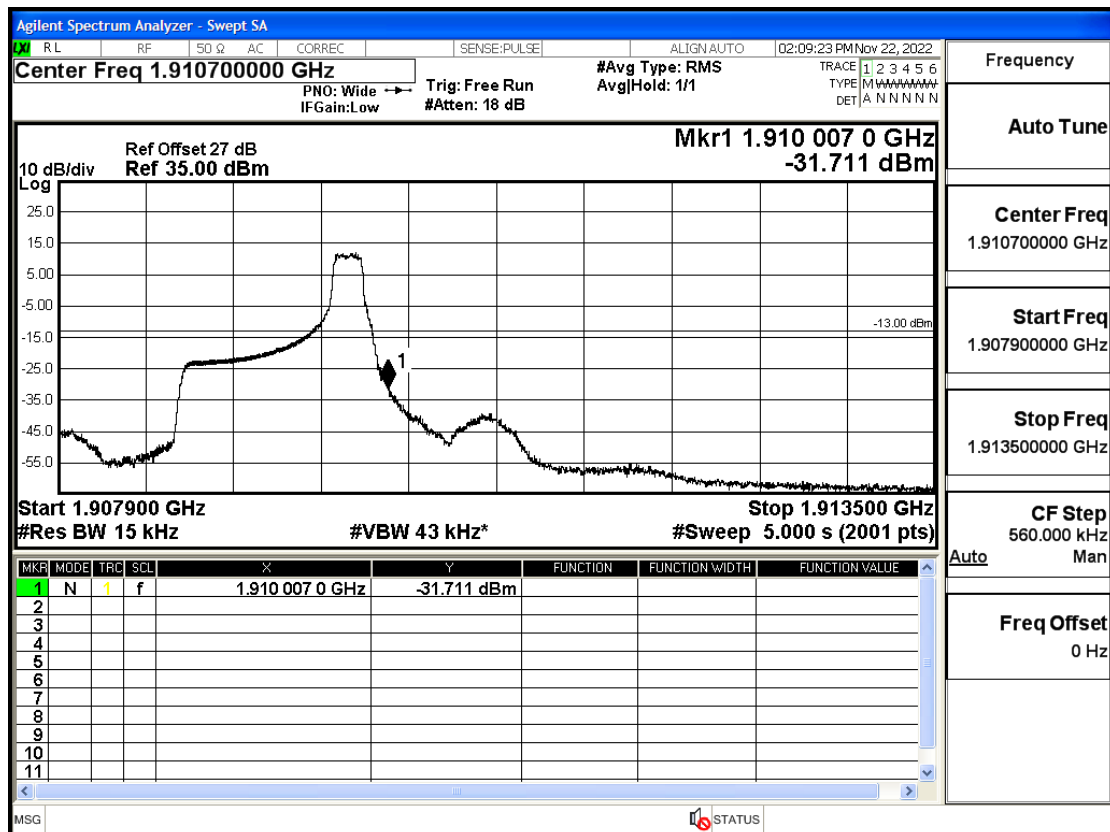
Band2-1.4-1909.3-QPSK-1#HIGH@Pass



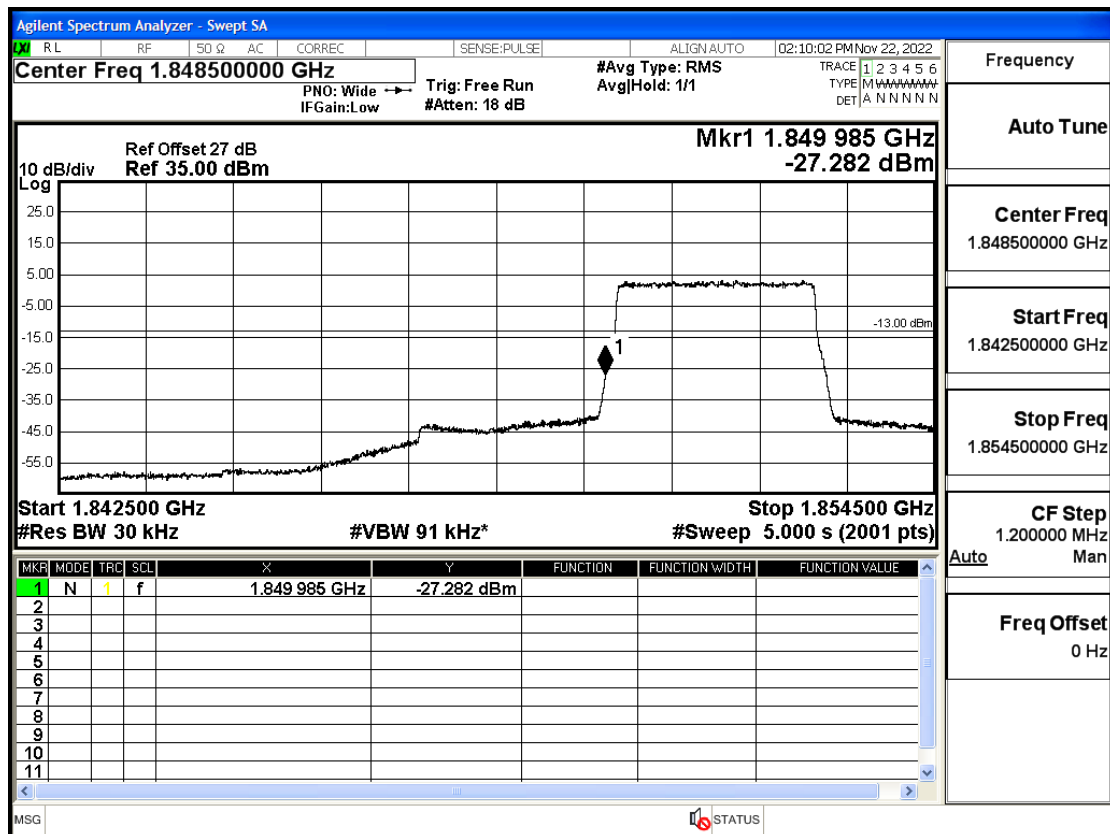
Band2-1.4-1909.3-16QAM-6#LOW@Pass



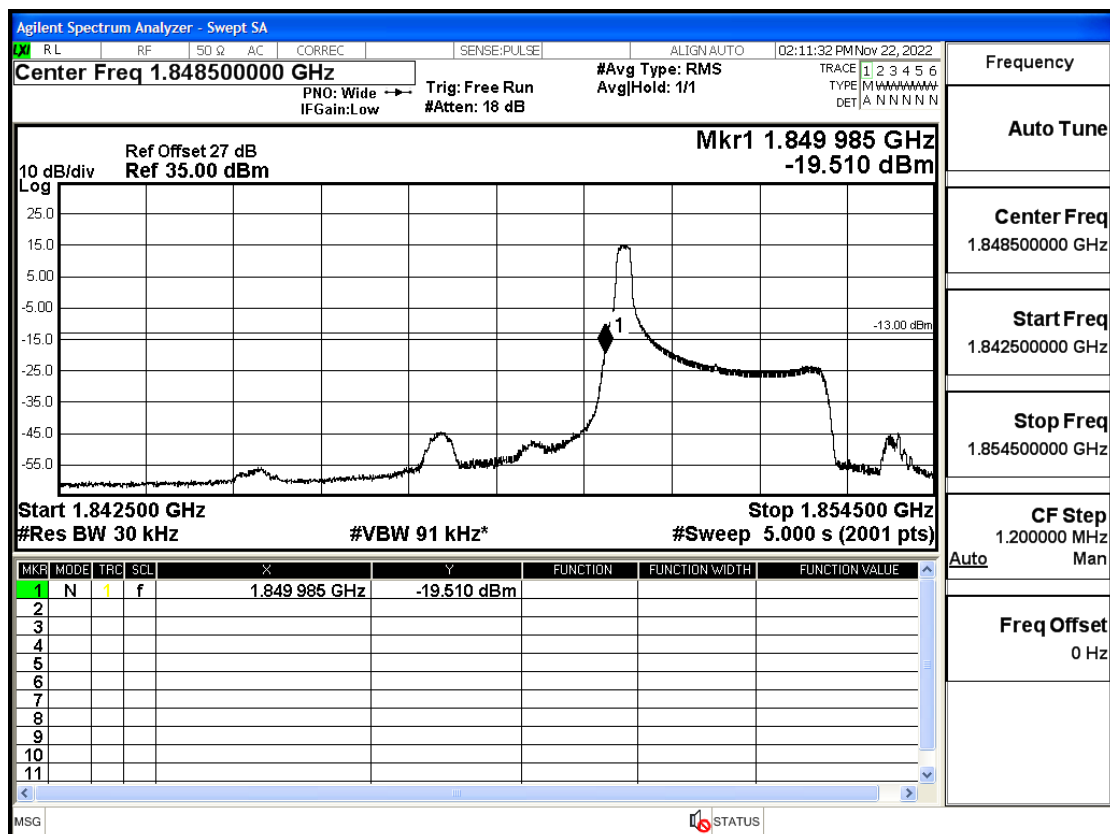
Band2-1.4-1909.3-16QAM-1#HIGH@Pass



Band2-3-1851.5-QPSK-15#LOW@Pass



Band2-3-1851.5-QPSK-1#LOW@Pass



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN AUTO 02:12:15 PM Nov 22, 2002

Center Freq 1.84850000 GHz PNO: Wide IFGain: Low Trig: Free Run #Atten: 18 dB #Avg Type: RMS AvgHold: 1/1

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

Ref Offset 27 dB
Ref 35.00 dBm

Mkr1 1.849 985 GHz
-28.620 dBm

10 dB/div
Log

Start 1.842500 GHz
#Res BW 30 kHz

Stop 1.854500 GHz
#Sweep 5.000 s (2001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.849 985 GHz	-28.620 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency
Auto Tune
Center Freq
1.848500000 GHz
Start Freq
1.842500000 GHz
Stop Freq
1.854500000 GHz
CF Step
1.200000 MHz
Man
Auto
Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA

R/L	RF	50 Ω	AC	CORREC	SENSE:PULSE	ALIGN AUTO	02:13:07 PM Nov 22, 2022
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Center Freq 1.848500000 GHz

PNO: Wide → Trig: Free Run
IFGain: Low #Atten: 18 dB

#Avg Type: RMS Avg/Hold: 1/1

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

Ref Offset 27 dB
Ref 35.00 dBm

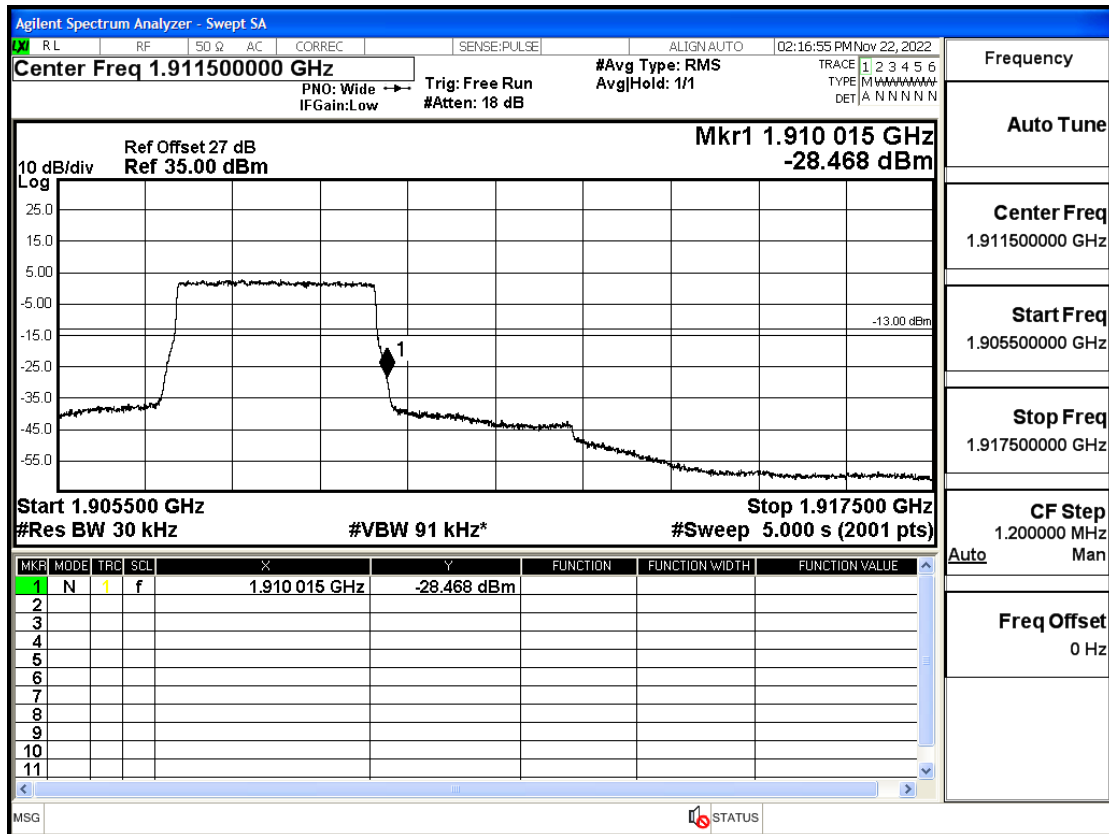
Mkr1 1.849 985 GHz
-19.659 dBm

Start 1.842500 GHz Stop 1.854500 GHz
#Res BW 30 kHz #VBW 91 kHz* #Sweep 5.000 s (2001 pts)

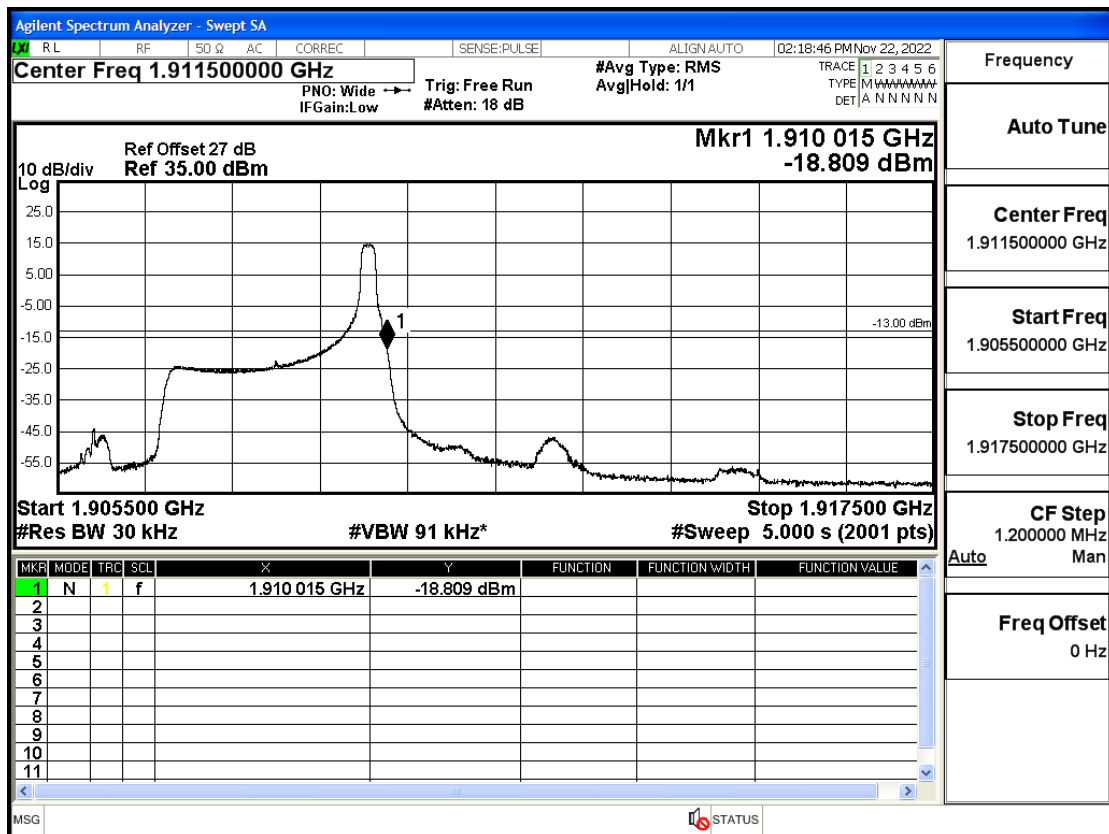
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	f	f	1.849 985 GHz	-19.659 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

Frequency Auto Tune Center Freq 1.848500000 GHz Start Freq 1.842500000 GHz Stop Freq 1.854500000 GHz CF Step 1.200000 MHz Man Freq Offset 0 Hz

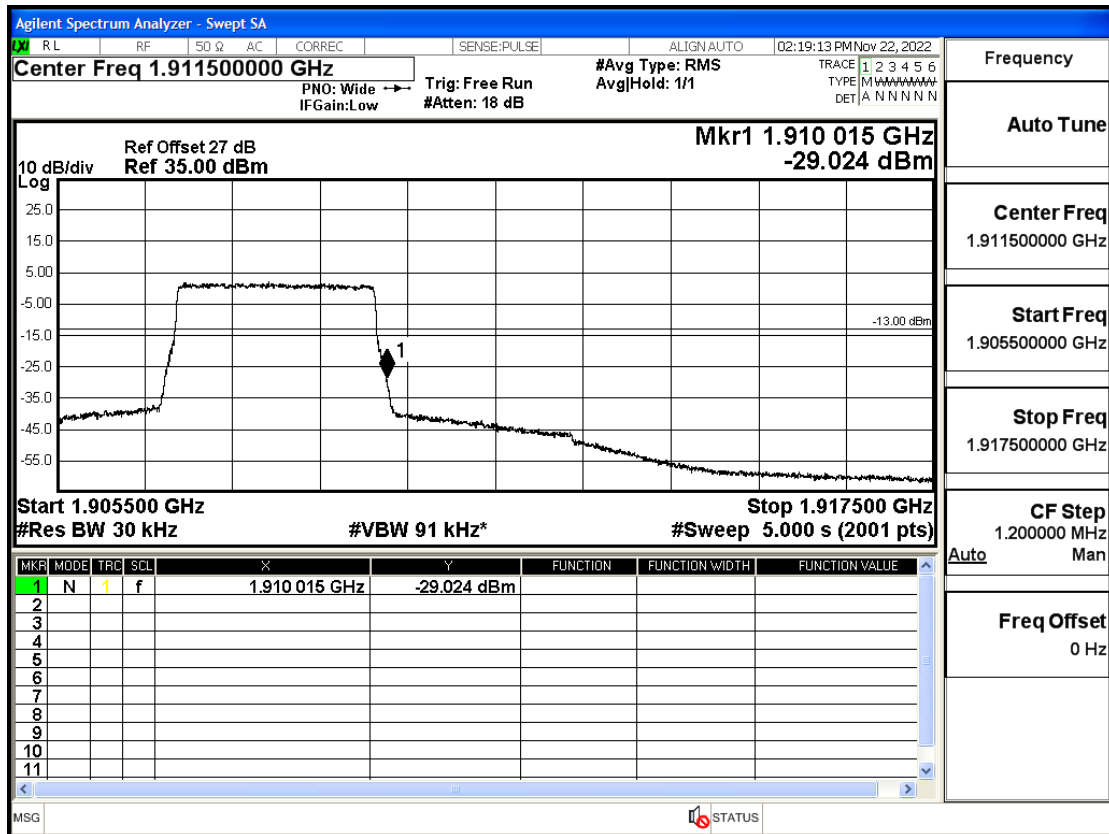
Band2-3-1908.5-QPSK-15#LOW@Pass



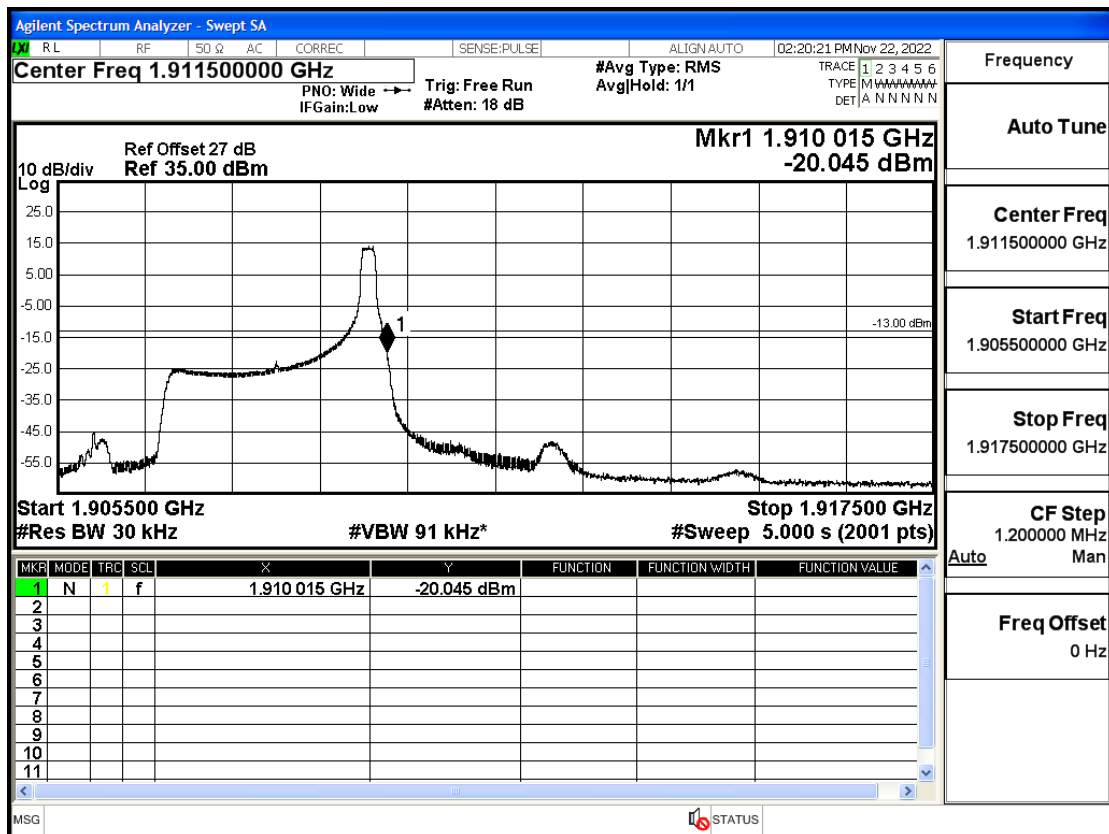
Band2-3-1908.5-QPSK-1#HIGH@Pass



Band2-3-1908.5-16QAM-15#LOW@Pass



Band2-3-1908.5-16QAM-1#HIGH@Pass



Agilent Spectrum Analyzer - Swept SA

R/L	RF	50 Ω	AC	CORREC	SENSE:PULSE	ALIGN:AUTO	02:21:00 PM Nov 22, 2022
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Center Freq 1.847500000 GHz

PNO: Fast → IF Gain: Low Trig: Free Run #Atten: 18 dB

#Avg Type: RMS Avg/Hold: 1/1

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

Mkr1 1.849 98 GHz
-34.635 dBm

Ref Offset 27 dB
Ref 35.00 dBm

10 dB/div
Log

Start 1.83750 GHz Stop 1.85750 GHz
#Res BW 51 kHz #VBW 150 kHz* #Sweep 5.000 s (2001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.849 98 GHz	-34.635 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

Auto Tune

Center Freq 1.847500000 GHz

Start Freq 1.837500000 GHz

Stop Freq 1.857500000 GHz

CF Step 2.000000 MHz

Freq Offset 0 Hz

Agilent Spectrum Analyzer - Swept SA

R/L	RF	50 Ω	AC	CORREC	SENSE:PULSE	ALIGN AUTO	02:22:36 PM Nov 22, 2022
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Center Freq 1.84750000 GHz #Avg Type: RMS
 PNO: Fast → Trg: Free Run Avg/Hold: 1/1
 IF Gain: Low #Atten: 18 dB

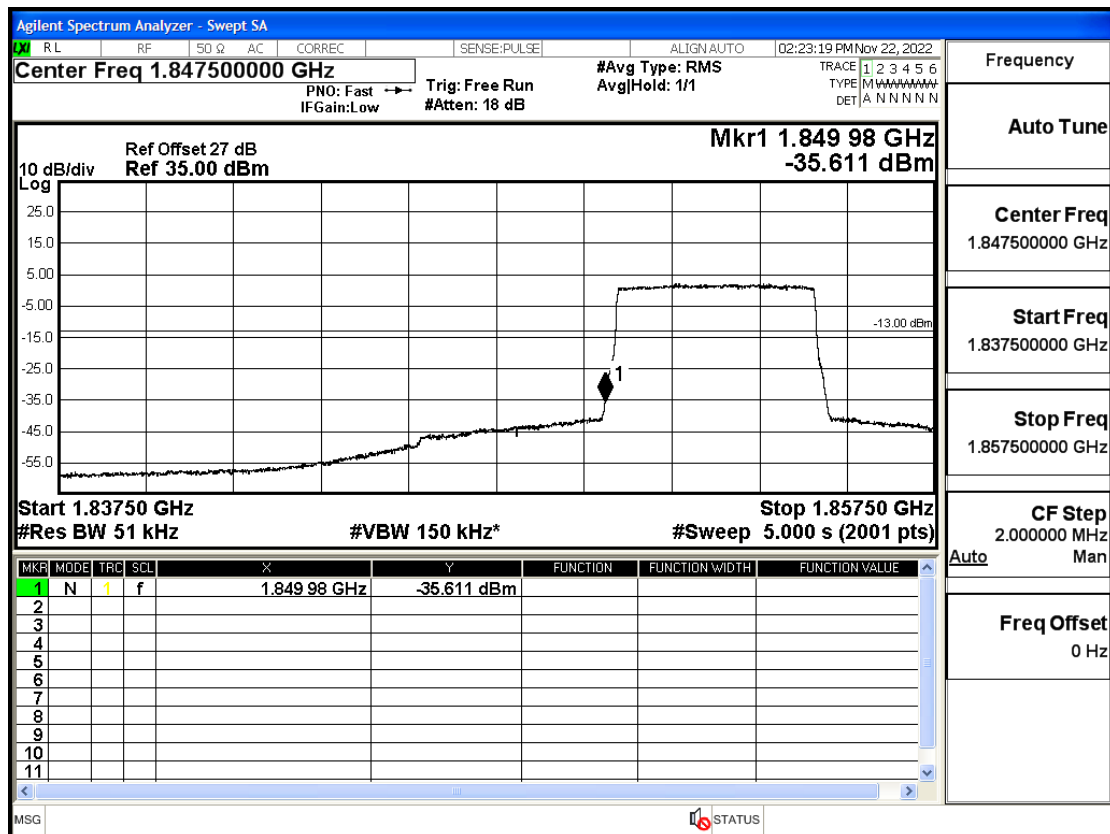
Ref Offset 27 dB Mkr1 1.849 98 GHz
 Ref 35.00 dBm -23.953 dBm

Start 1.83750 GHz Stop 1.85750 GHz
 #Res BW 51 kHz #VBW 150 kHz* #Sweep 5.000 s (2001 pts)

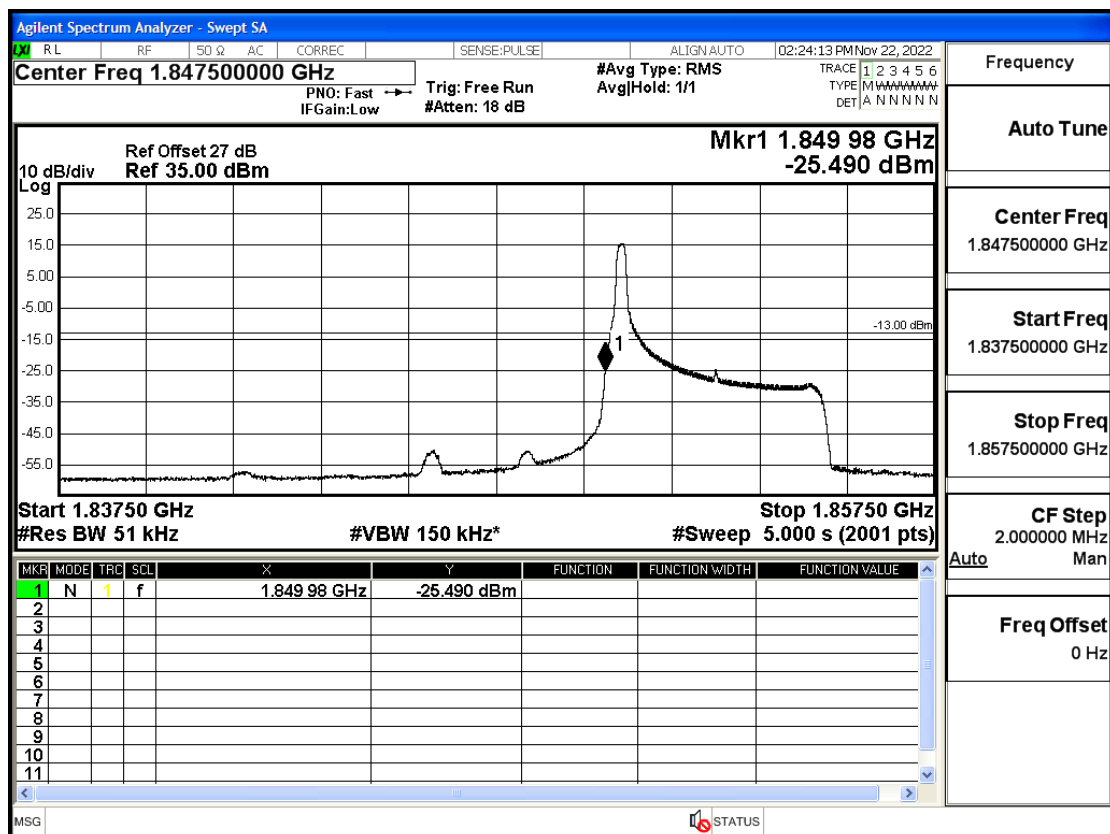
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	f	f	1.849 98 GHz	-23.953 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

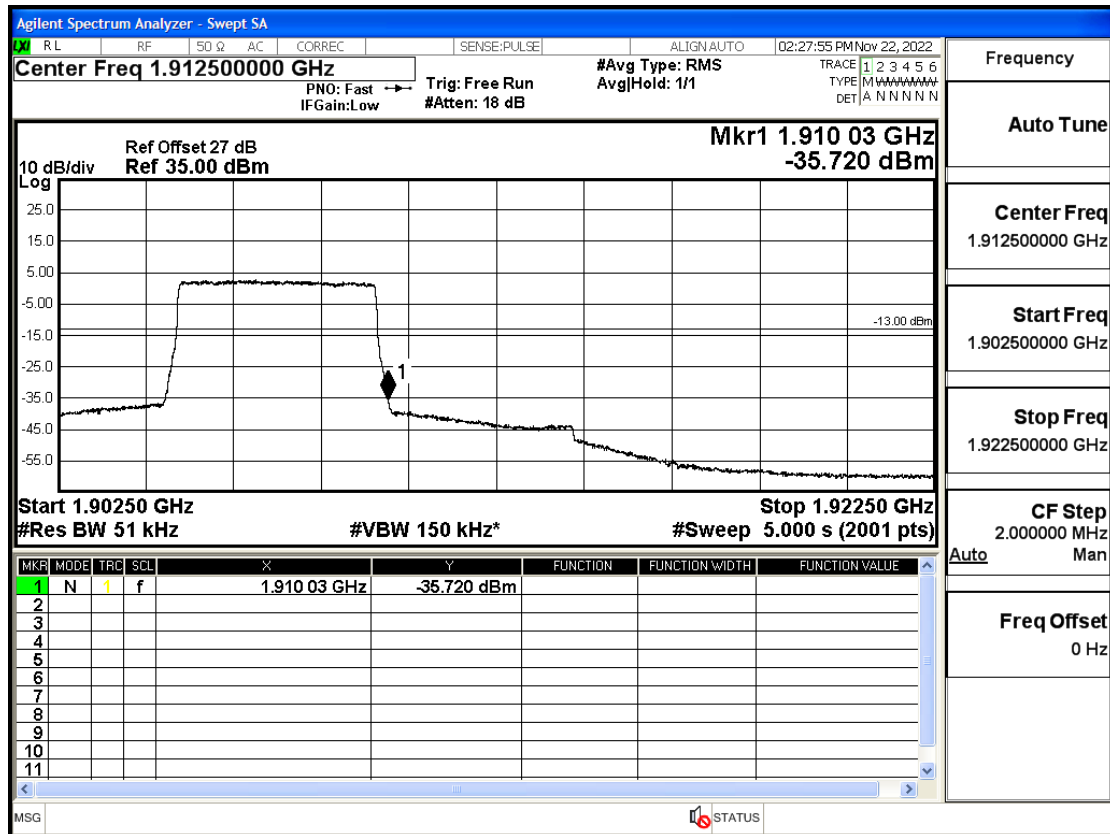
Band2-5-1852.5-16QAM-25#LOW@Pass



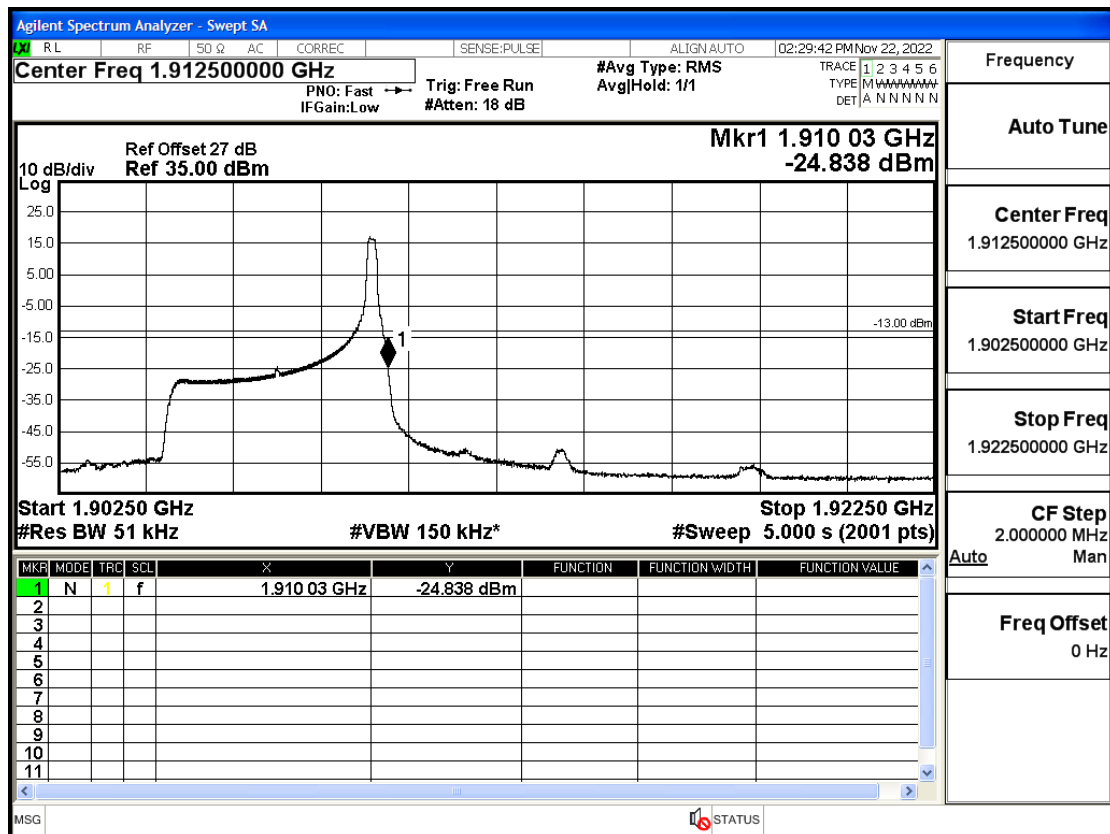
Band2-5-1852.5-16QAM-1#LOW@Pass



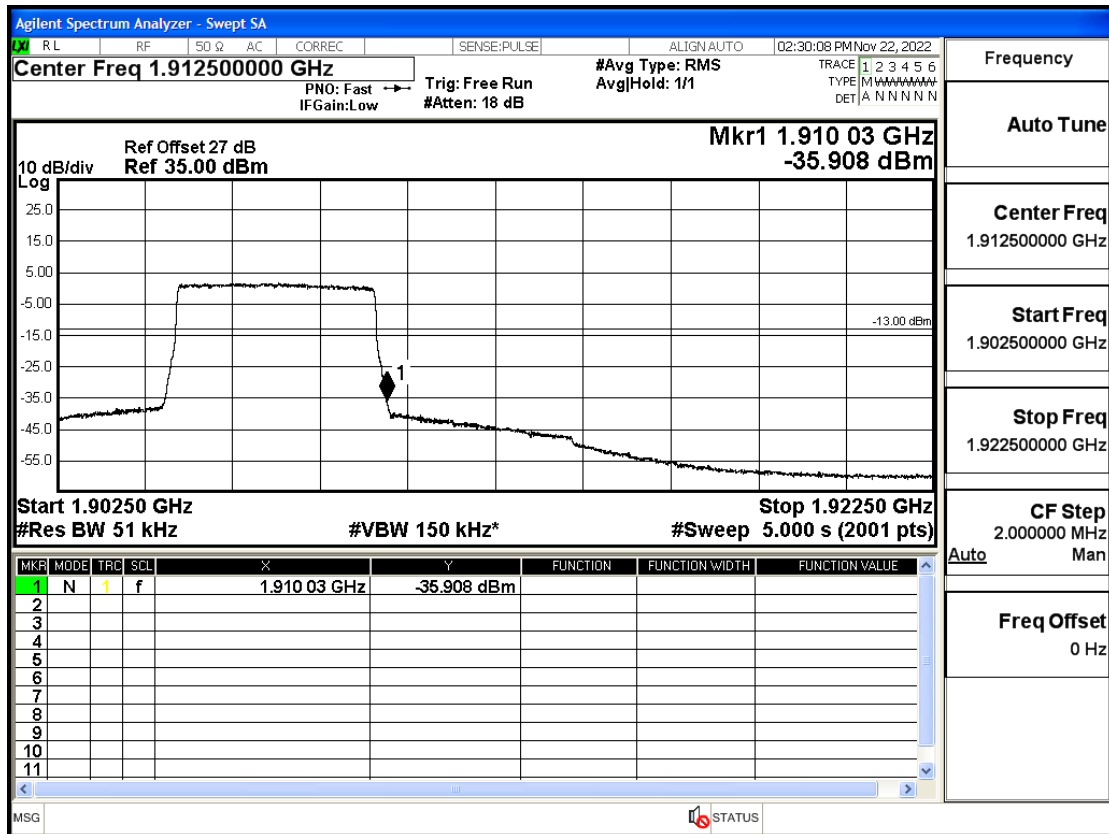
Band2-5-1907.5-QPSK-25#LOW@Pass



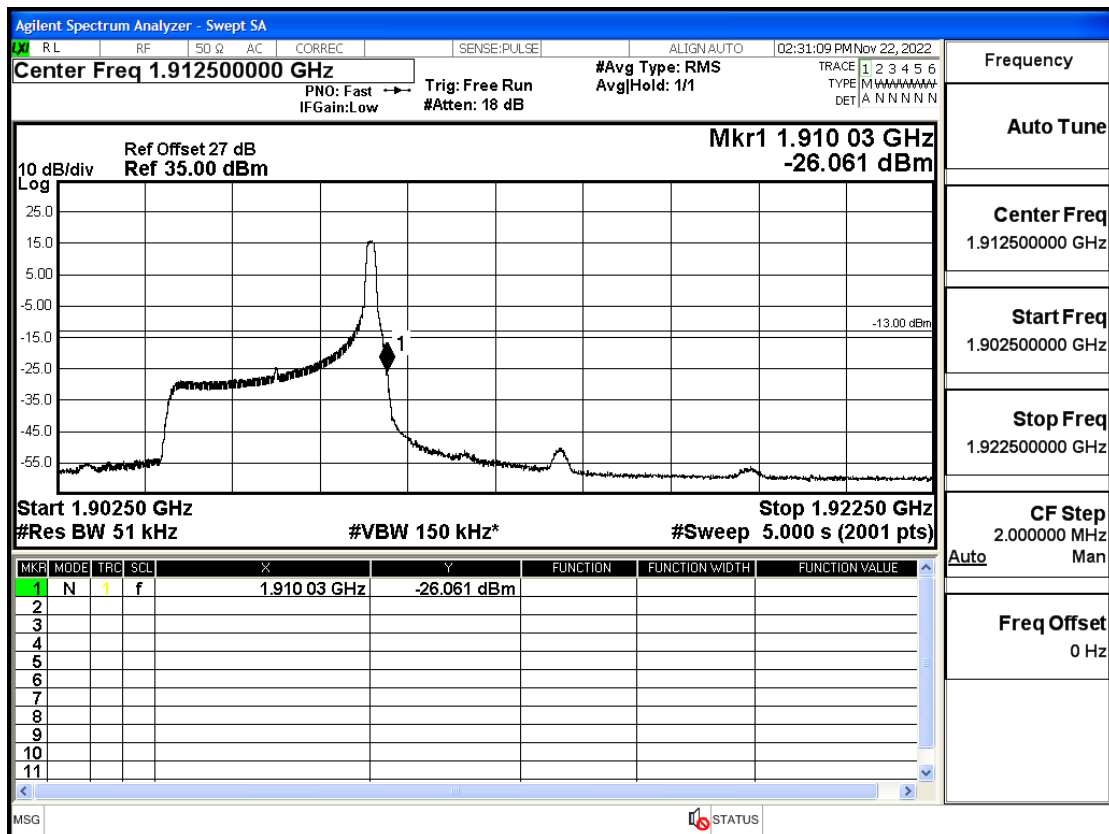
Band2-5-1907.5-QPSK-1#HIGH@Pass



Band2-5-1907.5-16QAM-25#LOW@Pass



Band2-5-1907.5-16QAM-1#HIGH@Pass



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN AUTO 02:31:46 PM Nov 22, 2022

Center Freq 1.84500000 GHz

PNO: Fast IFGain:Low Trig: Free Run #Atten: 18 dB

#Avg Type: RMS AvgHld: 1/1

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

Ref Offset 27 dB
Ref 35.00 dBm

Mkr1 1.849 95 GHz
-37.616 dBm

10 dB/div
Log

Start 1.82500 GHz
#Res BW 100 kHz

Stop 1.86500 GHz
#Sweep 5.000 s (2001 pts)

#VBW 300 kHz*

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.849 95 GHz	-37.616 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

Frequency

Auto Tune

Center Freq
1.84500000 GHz

Start Freq
1.82500000 GHz

Stop Freq
1.86500000 GHz

CF Step
4.000000 MHz

Man

Auto

Freq Offset
0 Hz

MSG

STATUS

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN AUTO 02:33:20 PM Nov 22, 2022

Center Freq 1.84500000 GHz PNO: Fast IF Gain: Low Trig: Free Run #Atten: 18 dB #Avg Type: RMS Avg/Hold: 1/1 TRACE 1 2 3 4 5 6 TYPE M W W W W W W W DET A N N N N N N

Ref Offset 27 dB
Ref 35.00 dBm

Mkr1 1.849 95 GHz
-26.671 dBm

10 dB/div
Log

Start 1.82500 GHz
#Res BW 100 kHz

Stop 1.86500 GHz
#Sweep 5.000 s (2001 pts)

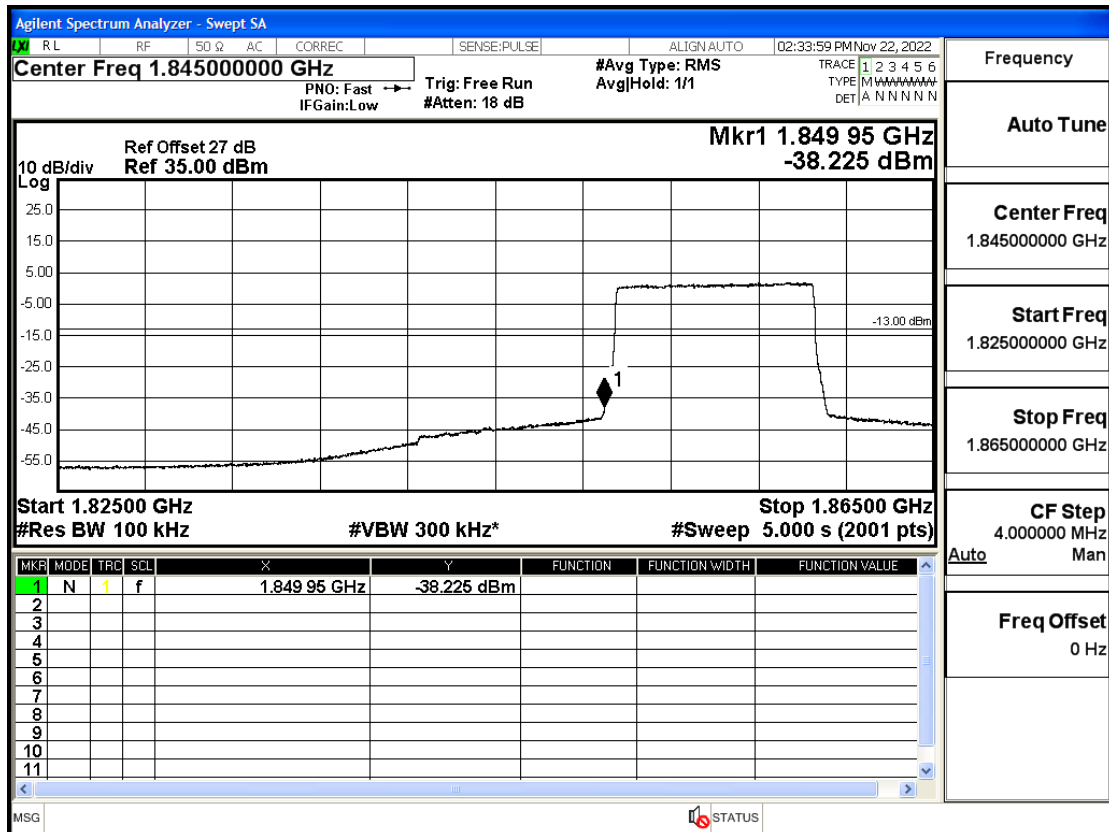
#VBW 300 kHz*

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.849 95 GHz	-26.671 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

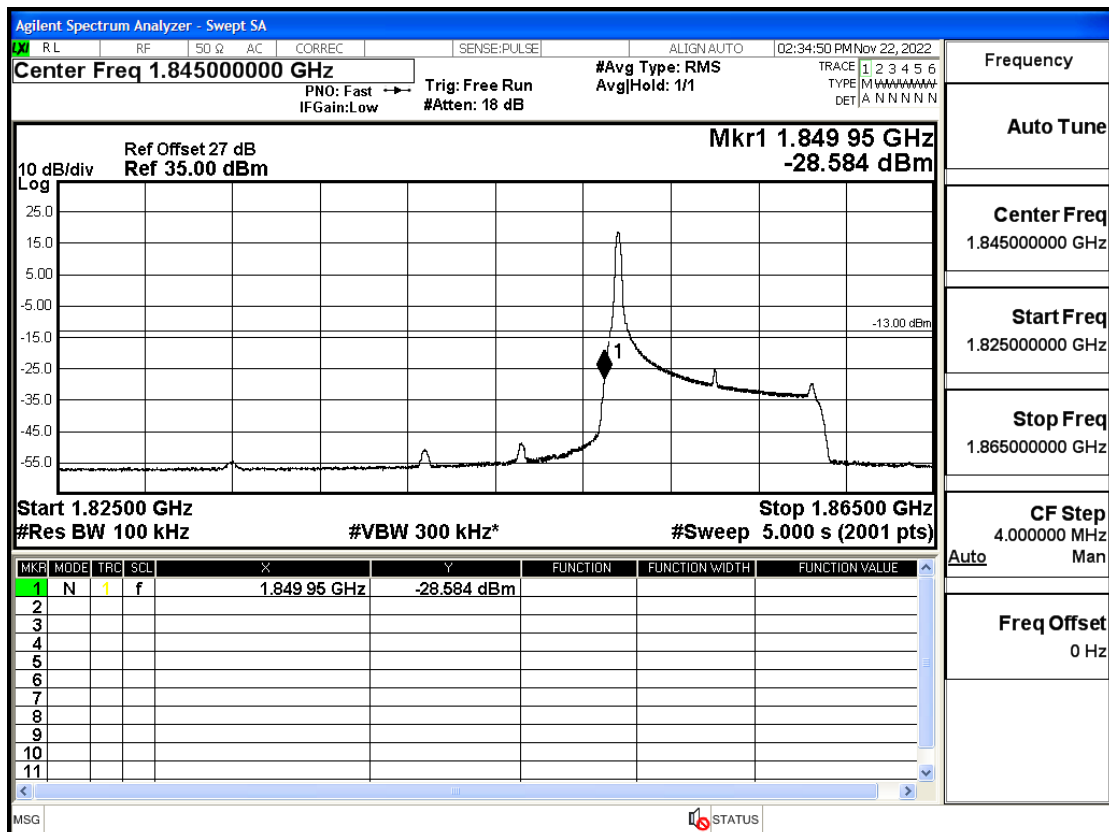
MSG STATUS

Frequency
Auto Tune
Center Freq
1.845000000 GHz
Start Freq
1.825000000 GHz
Stop Freq
1.865000000 GHz
CF Step
4.000000 MHz
Auto Man
Freq Offset
0 Hz

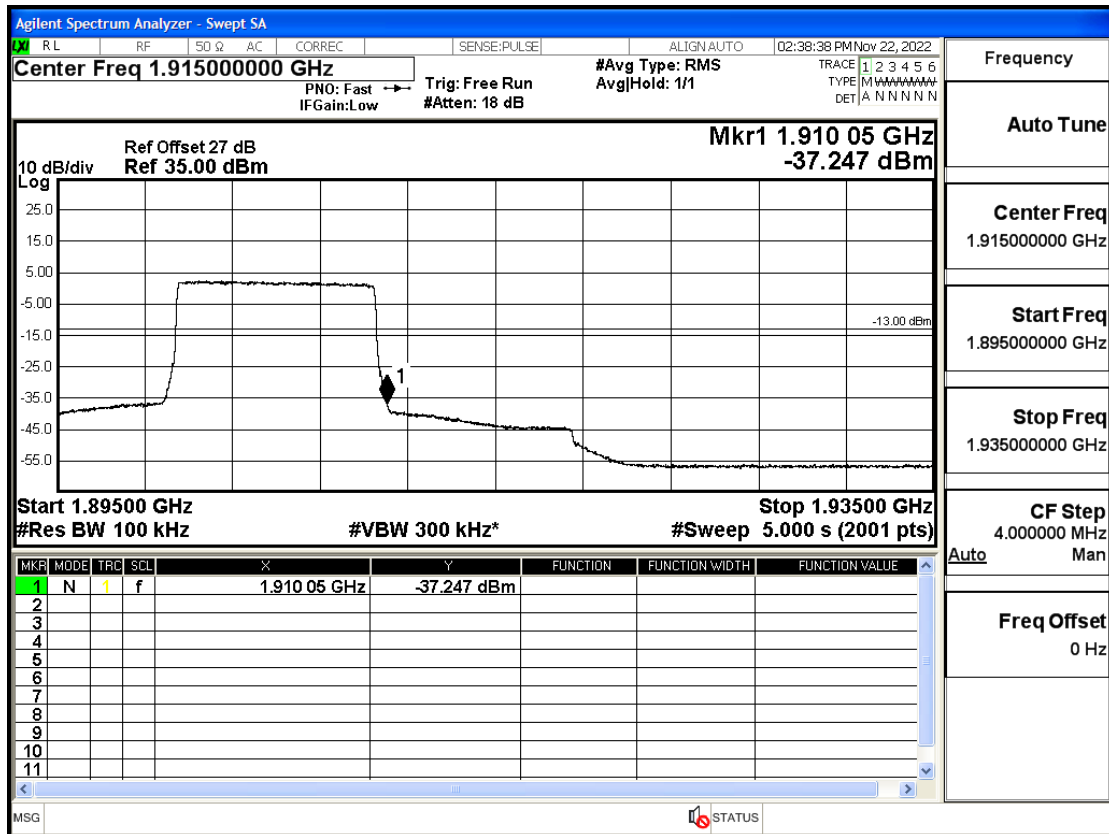
Band2-10-1855-16QAM-50#LOW@Pass



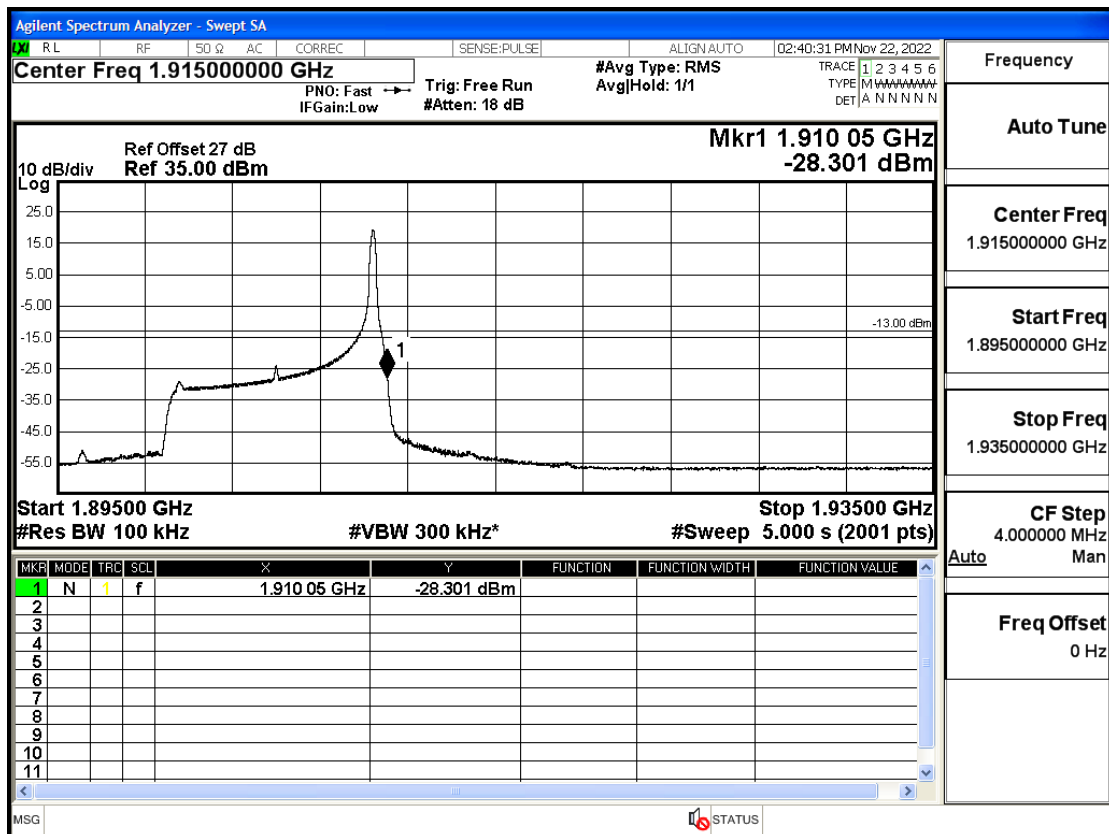
Band2-10-1855-16QAM-1#LOW@Pass



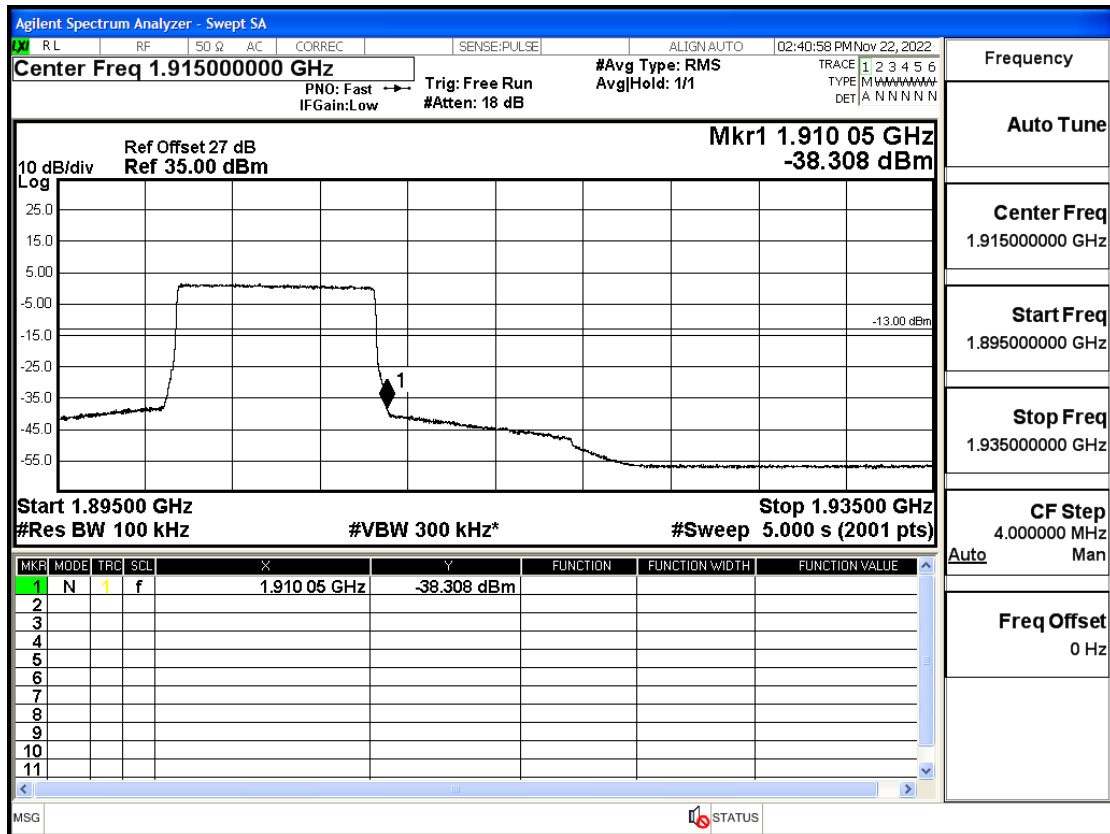
Band2-10-1905-QPSK-50#LOW@Pass



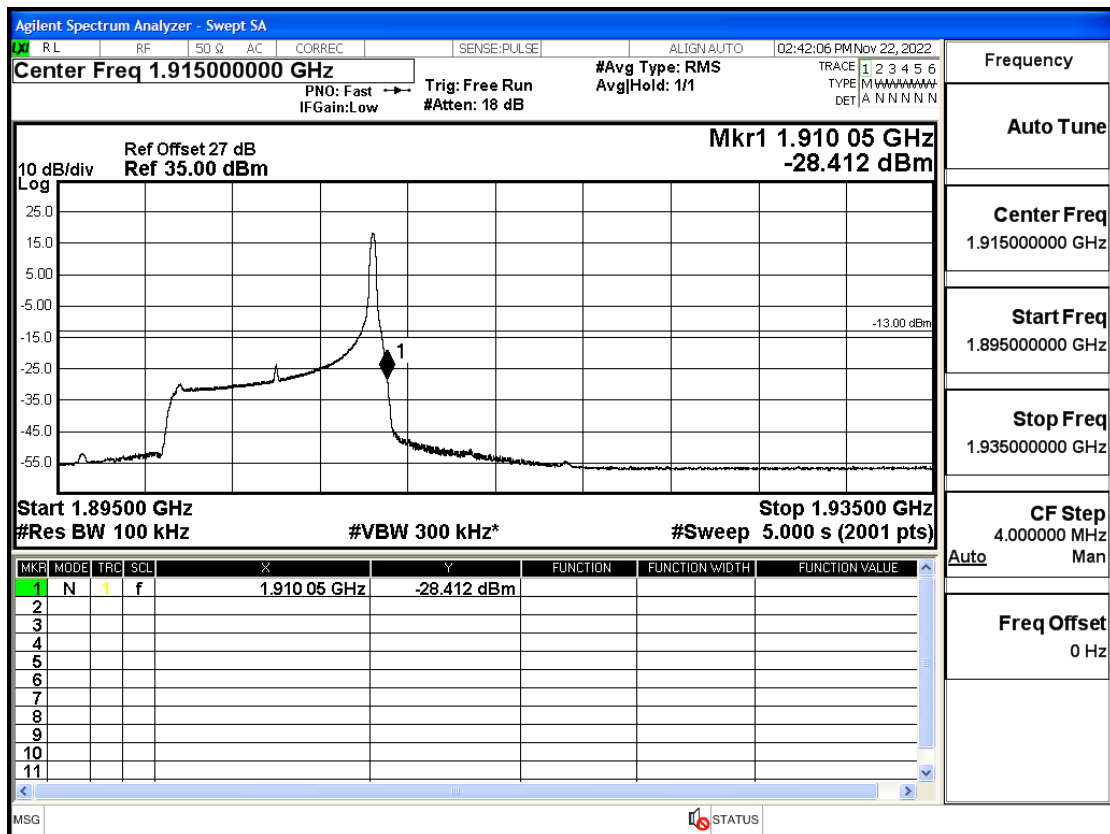
Band2-10-1905-QPSK-1#HIGH@Pass



Band2-10-1905-16QAM-50#LOW@Pass



Band2-10-1905-16QAM-1#HIGH@Pass



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE: PULSE ALIGN: AUTO 02:42:45 PM Nov 22, 2022

Center Freq 1.842500000 GHz PNO: Fast IF Gain: Low Trig: Free Run #Atten: 18 dB #Avg Type: RMS Avg/Hold: 1/1

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

Ref Offset 27 dB
Ref 35.00 dBm

Mkr1 1.849 93 GHz
-37.261 dBm

10 dB/div
Log

Start 1.81250 GHz
#Res BW 150 kHz

Stop 1.87250 GHz
#Sweep 5.000 s (2001 pts)

#VBW 470 kHz*

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.849 93 GHz	-37.261 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

Frequency

Auto Tune

Center Freq
1.842500000 GHz

Start Freq
1.812500000 GHz

Stop Freq
1.872500000 GHz

CF Step
6.000000 MHz

Man

Auto

Freq Offset
0 Hz

MSG STATUS

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN AUTO 02:44:23 PM Nov 22, 2022

Center Freq 1.84250000 GHz PNO: Fast IFGain: Low Trig: Free Run #Atten: 18 dB #Avg Type: RMS Avg/Hold: 1/1 TRACE 1 2 3 4 5 6 TYPE M W W W W W W W DET A N N N N N

Ref Offset 27 dB Mkr1 1.849 93 GHz
Ref 35.00 dBm -25.350 dBm

10 dB/div Log

Start 1.81250 GHz Stop 1.87250 GHz
#Res BW 150 kHz #VBW 470 kHz* #Sweep 5.000 s (2001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.849 93 GHz	-25.350 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency Auto Tune Center Freq 1.842500000 GHz Start Freq 1.812500000 GHz Stop Freq 1.872500000 GHz CF Step 6.000000 MHz Man Freq Offset 0 Hz

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN AUTO 02:45:05 PM Nov 22, 2022

Center Freq 1.842500000 GHz PNO: Fast IFGain:Low Trig: Free Run #Atten: 18 dB #Avg Type: RMS AvgHld: 1/1

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

Ref Offset 27 dB
Ref 35.00 dBm

Mkr1 1.849 93 GHz
-37.463 dBm

10 dB/div
Log

Start 1.81250 GHz
#Res BW 150 kHz

Stop 1.87250 GHz
#Sweep 5.000 s (2001 pts)

#VBW 470 kHz*

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.849 93 GHz	-37.463 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
1.842500000 GHz

Start Freq
1.812500000 GHz

Stop Freq
1.872500000 GHz

CF Step
6.000000 MHz

Man

Auto

Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN AUTO 02:46:01 PM Nov 22, 2022

Center Freq 1.842500000 GHz PNO: Fast IF Gain: Low Trig: Free Run #Atten: 18 dB #Avg Type: RMS Avg/Hold: 1/1 TRACE 1 2 3 4 5 6 TYPE M W W W W W W W DET A N N N N N N

Ref Offset 27 dB
Ref 35.00 dBm

Mkr1 1.849 93 GHz
-26.316 dBm

10 dB/div
Log

Start 1.81250 GHz
#Res BW 150 kHz

Stop 1.87250 GHz
#Sweep 5.000 s (2001 pts)

#VBW 470 kHz*

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.849 93 GHz	-26.316 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
1.842500000 GHz

Start Freq
1.812500000 GHz

Stop Freq
1.872500000 GHz

CF Step
6.000000 MHz

Auto Man

Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN AUTO 02:50:02 PM Nov 22, 2022

Center Freq 1.91750000 GHz

PNO: Fast IFGain:Low Trig: Free Run #Atten: 18 dB

#Avg Type: RMS Avg/Hold: 1/1

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

Ref Offset 27 dB
Ref 35.00 dBm

Mkr1 1.910 08 GHz
-35.933 dBm

10 dB/div
Log

Start 1.88750 GHz
#Res BW 150 kHz

#VBW 470 kHz*

Stop 1.94750 GHz
#Sweep 5.000 s (2001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.910 08 GHz	-35.933 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

Frequency

Auto Tune

Center Freq
1.917500000 GHz

Start Freq
1.887500000 GHz

Stop Freq
1.947500000 GHz

CF Step
6.000000 MHz

Man

Auto

Freq Offset
0 Hz

MSG STATUS

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE/PULSE ALIGN AUTO 02:51:59 PM Nov 22, 2022

Center Freq 1.917500000 GHz PNO: Fast IF Gain: Low Trig: Free Run #Atten: 18 dB #Avg Type: RMS Avg/Hold: 1/1

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

Ref Offset 27 dB Mkr1 1.910 08 GHz
Ref 35.00 dBm -27.393 dBm

10 dB/div Log

Start 1.88750 GHz Stop 1.94750 GHz
#Res BW 150 kHz #VBW 470 kHz* #Sweep 5.000 s (2001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.910 08 GHz	-27.393 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency Auto Tune

Center Freq 1.917500000 GHz

Start Freq 1.887500000 GHz

Stop Freq 1.947500000 GHz

CF Step 6.000000 MHz

Auto Man

Freq Offset 0 Hz

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN AUTO 02:52:28 PM Nov 22, 2022

Center Freq 1.91750000 GHz

PNO: Fast IFGain:Low Trig: Free Run #Atten: 18 dB

#Avg Type: RMS Avg/Hold: 1/1

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

Ref Offset 27 dB
Ref 35.00 dBm

Mkr1 1.910 08 GHz
-38.870 dBm

10 dB/div
Log

-13.00 dBm

Start 1.88750 GHz
#Res BW 150 kHz

Stop 1.94750 GHz
#Sweep 5.000 s (2001 pts)

#VBW 470 kHz*

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.910 08 GHz	-38.870 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
1.917500000 GHz

Start Freq
1.887500000 GHz

Stop Freq
1.947500000 GHz

CF Step
6.000000 MHz

Man

Auto

Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN AUTO 02:53:40 PM Nov 22, 2022

Center Freq 1.917500000 GHz PNO: Fast IF Gain: Low Trig: Free Run #Atten: 18 dB #Avg Type: RMS Avg Hold: 1/1 TRACE 1 2 3 4 5 6 TYPE M W W W W W W W DET A N N N N N

Ref Offset 27 dB Mkr1 1.910 08 GHz
Ref 35.00 dBm -27.693 dBm

10 dB/div Log

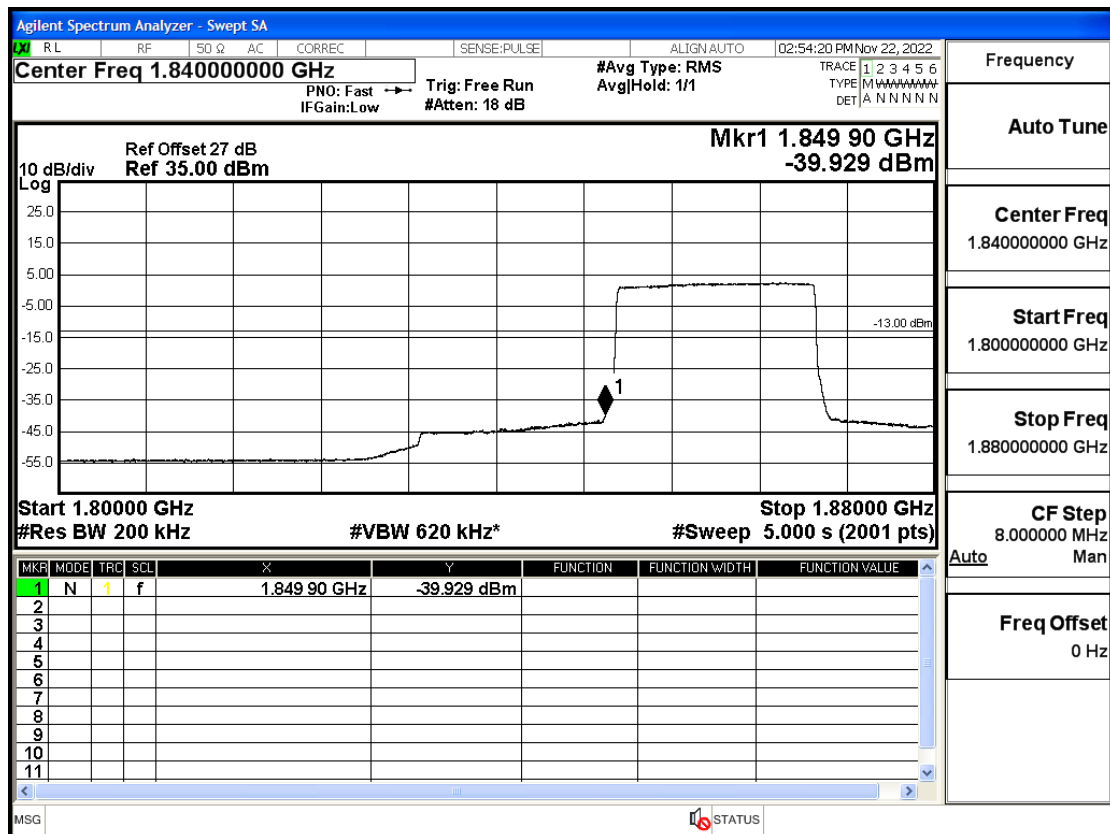
Start 1.88750 GHz Stop 1.94750 GHz
#Res BW 150 kHz #VBW 470 kHz* #Sweep 5.000 s (2001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.910 08 GHz	-27.693 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

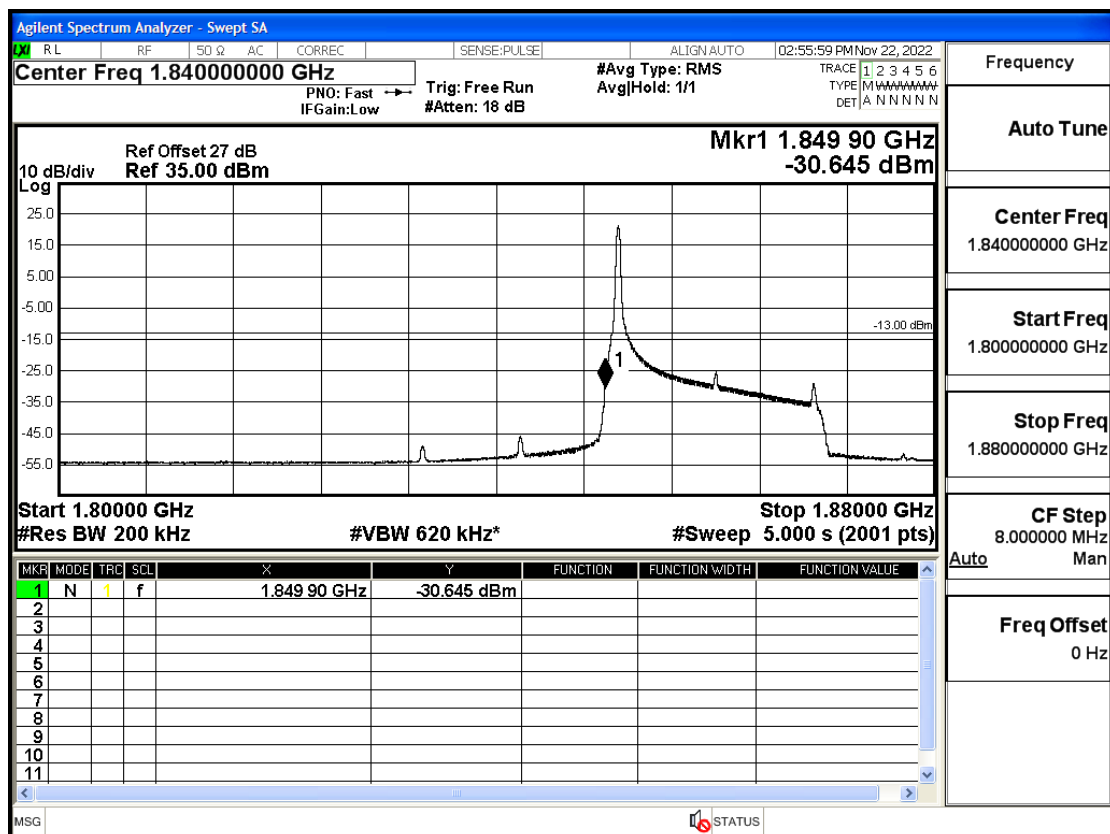
MSG STATUS

Frequency Auto Tune Center Freq 1.917500000 GHz Start Freq 1.887500000 GHz Stop Freq 1.947500000 GHz CF Step 6.000000 MHz Auto Man Freq Offset 0 Hz

Band2-20-1860-QPSK-100#LOW@Pass



Band2-20-1860-QPSK-1#LOW@Pass



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN AUTO 02:56:41 PM Nov 22, 2022

Center Freq 1.84000000 GHz PNO: Fast IFGain: Low Trig: Free Run #Atten: 18 dB #Avg Type: RMS Avg/Hold: 1/1

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

Ref Offset 27 dB Ref 35.00 dBm Mkr1 1.849 90 GHz -38.786 dBm

10 dB/div Log

Start 1.80000 GHz #Res BW 200 kHz #VBW 620 kHz* Stop 1.88000 GHz #Sweep 5.000 s (2001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.849 90 GHz	-38.786 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

Frequency Auto Tune

Center Freq 1.840000000 GHz

Start Freq 1.800000000 GHz

Stop Freq 1.880000000 GHz

CF Step 8.000000 MHz Man

Freq Offset 0 Hz

MSG STATUS

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN AUTO 02:57:37 PM Nov 22, 2022

Center Freq 1.840000000 GHz PNO: Fast IF Gain: Low Trig: Free Run #Atten: 18 dB #Avg Type: RMS Avg Hold: 1/1 TRACE 1 2 3 4 5 6 TYPE M W W W W W W W DET A N N N N N N

Ref Offset 27 dB Ref 35.00 dBm Mkr1 1.849 90 GHz -29.362 dBm

10 dB/div Log

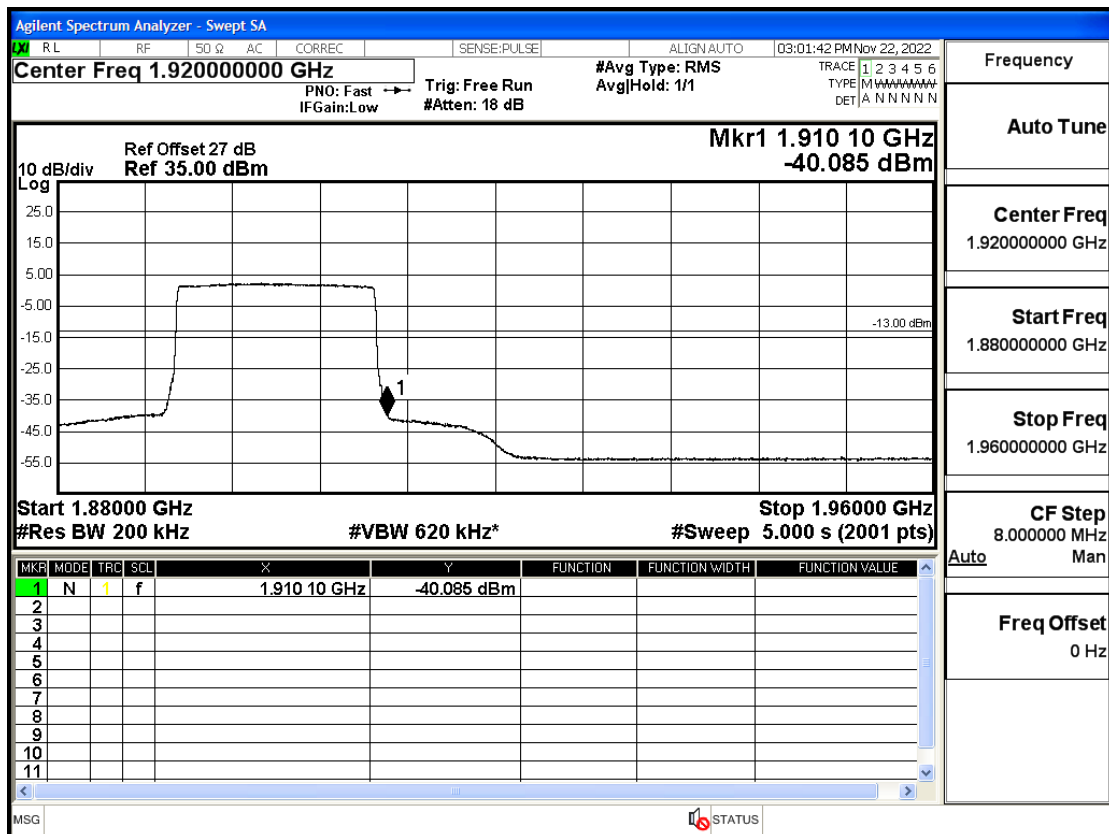
Start 1.80000 GHz Stop 1.88000 GHz
#Res BW 200 kHz #VBW 620 kHz* #Sweep 5.000 s (2001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.849 90 GHz	-29.362 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

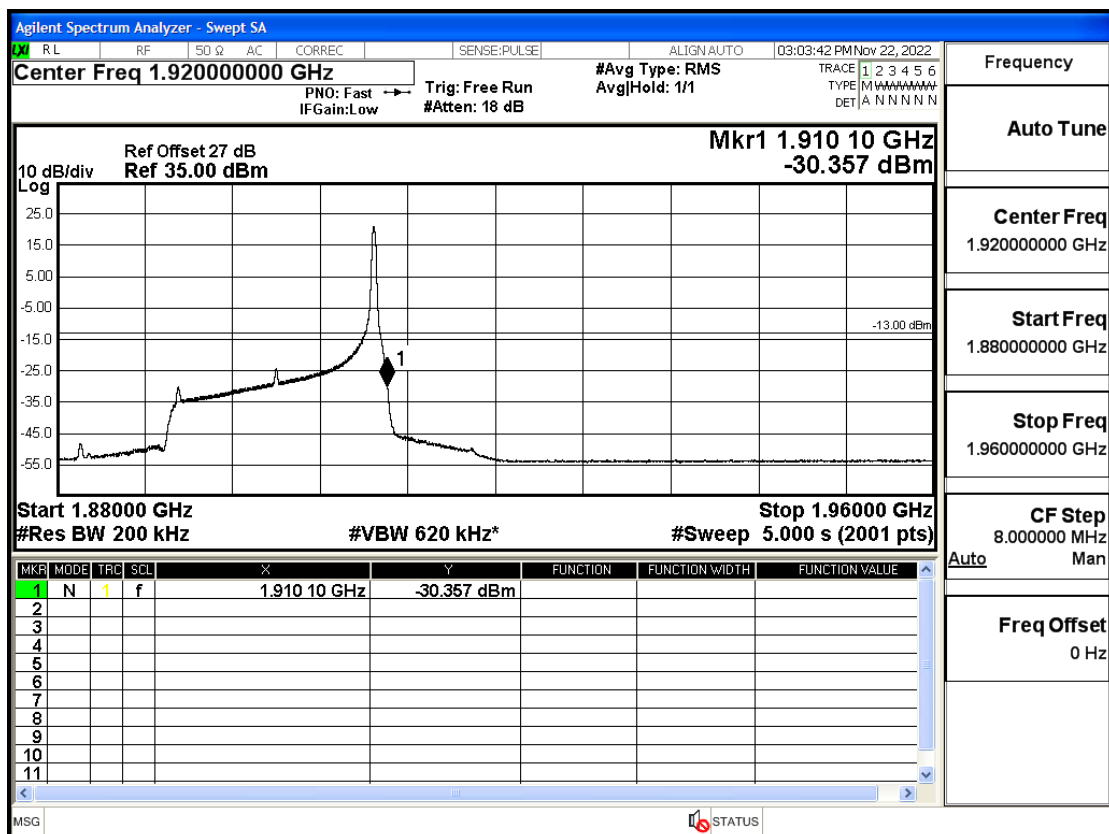
MSG STATUS

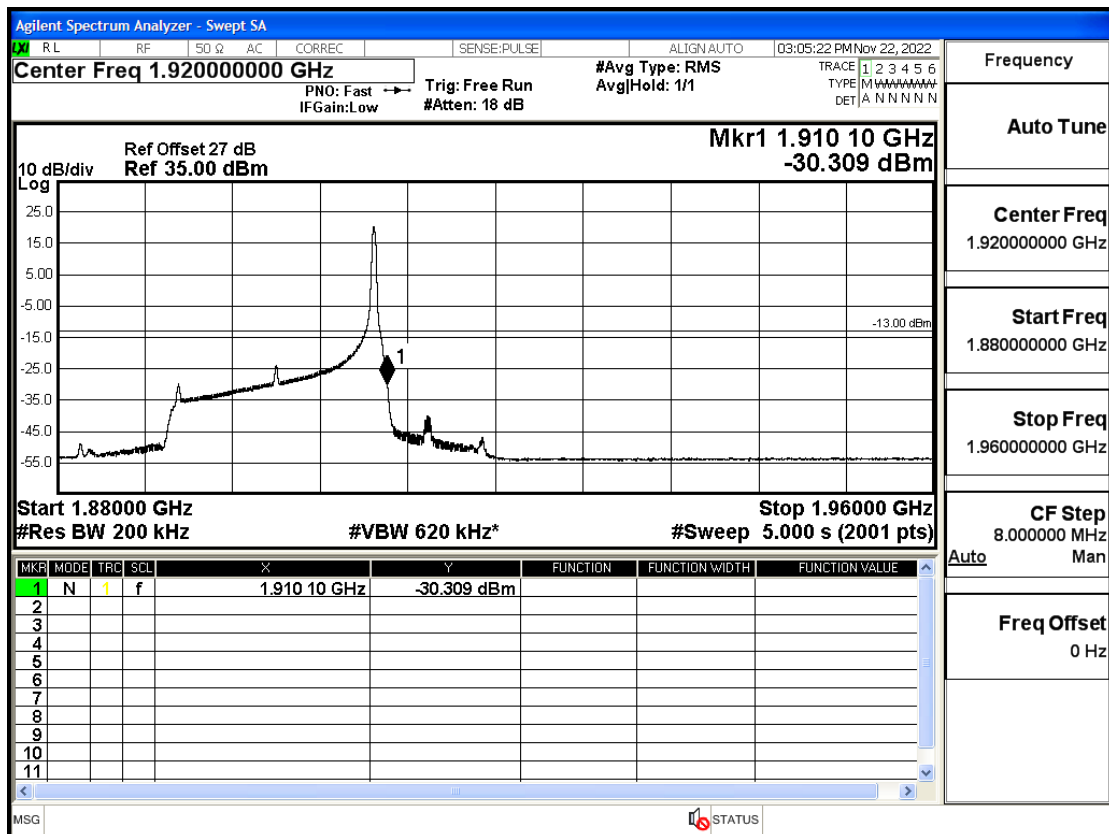
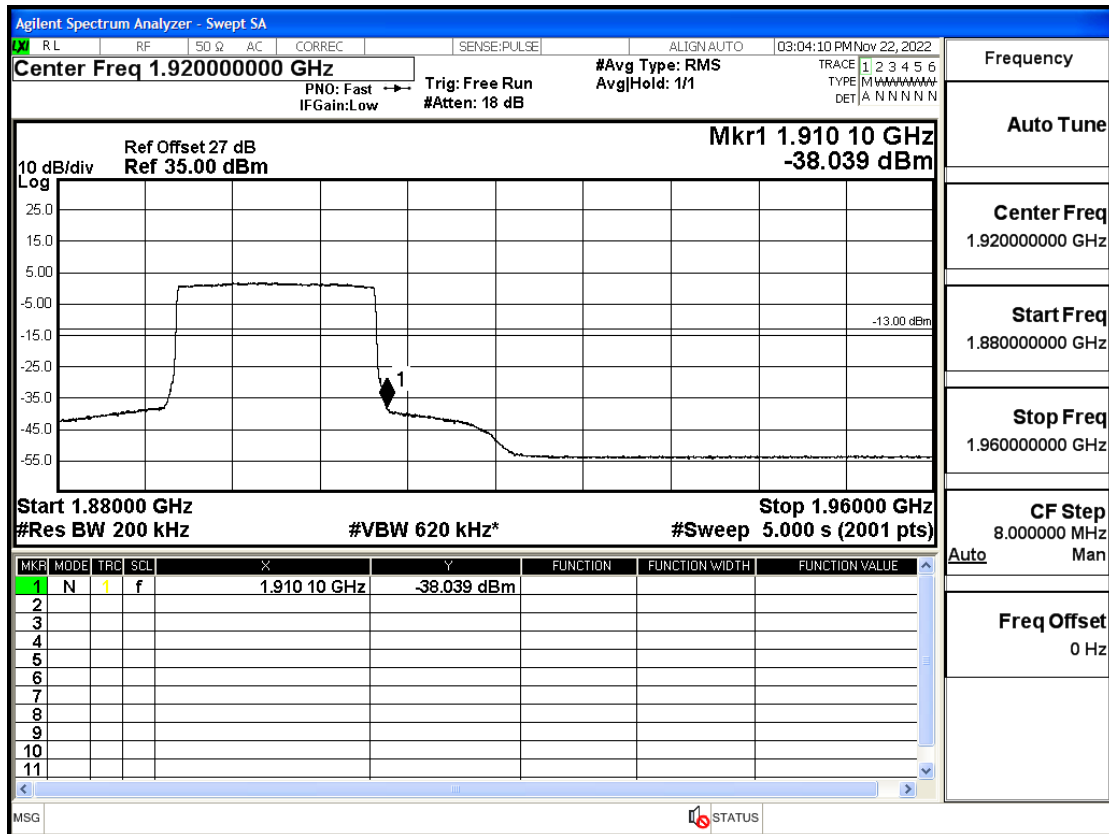
Frequency Auto Tune Center Freq 1.840000000 GHz Start Freq 1.800000000 GHz Stop Freq 1.880000000 GHz CF Step 8.000000 MHz Man Freq Offset 0 Hz

Band2-20-1900-QPSK-100#LOW@Pass



Band2-20-1900-QPSK-1#HIGH@Pass





Conducted Spurious Emission

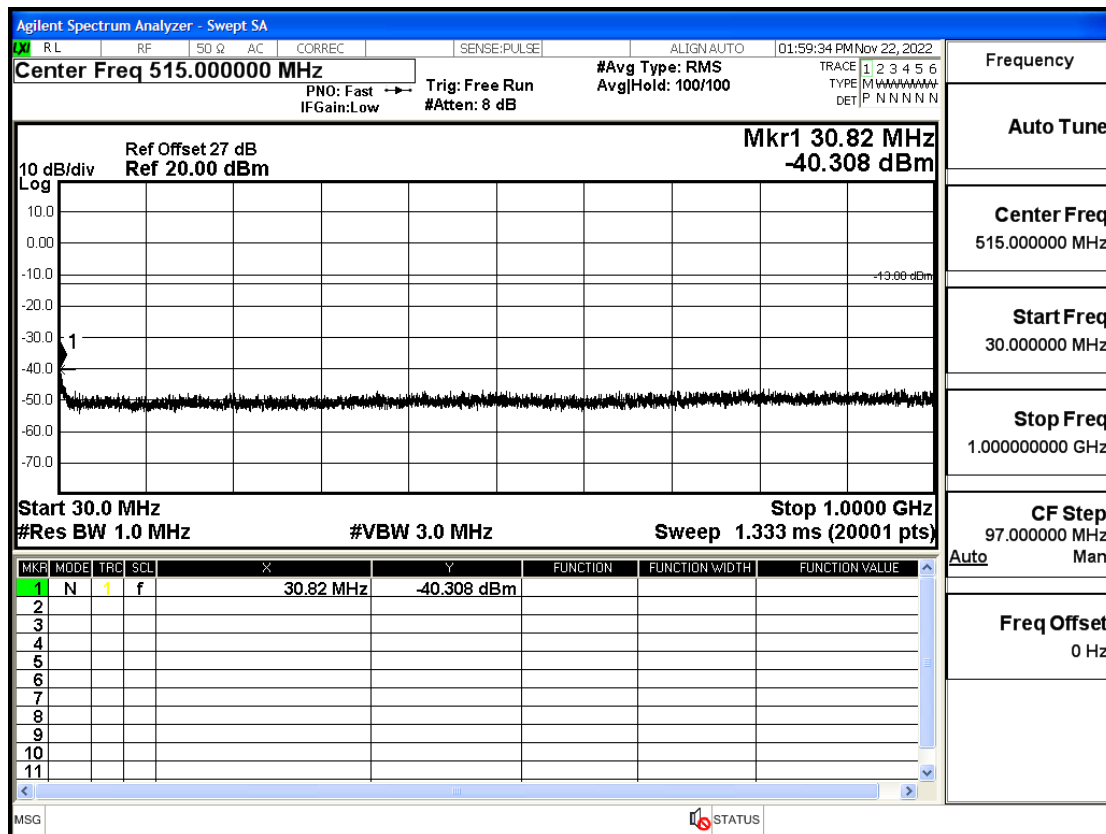
Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Test Condition	Transmitter Spurious Emission(Pass/Fail)
OB2	1.4	1850.7	QPSK	6	LOW	30mHz-1GHz	Pass
OB2	1.4	1850.7	QPSK	6	LOW	1GHz-7GHz	Pass
OB2	1.4	1850.7	QPSK	6	LOW	7GHz-13.6GHz	Pass
OB2	1.4	1850.7	QPSK	6	LOW	13.6GHz-20GHz	Pass
OB2	1.4	1880	QPSK	6	LOW	30mHz-1GHz	Pass
OB2	1.4	1880	QPSK	6	LOW	1GHz-7GHz	Pass
OB2	1.4	1880	QPSK	6	LOW	7GHz-13.6GHz	Pass
OB2	1.4	1880	QPSK	6	LOW	13.6GHz-20GHz	Pass
OB2	1.4	1909.3	QPSK	6	LOW	30mHz-1GHz	Pass
OB2	1.4	1909.3	QPSK	6	LOW	1GHz-7GHz	Pass
OB2	1.4	1909.3	QPSK	6	LOW	7GHz-13.6GHz	Pass
OB2	1.4	1909.3	QPSK	6	LOW	13.6GHz-20GHz	Pass
OB2	3	1851.5	QPSK	15	LOW	30mHz-1GHz	Pass
OB2	3	1851.5	QPSK	15	LOW	1GHz-7GHz	Pass
OB2	3	1851.5	QPSK	15	LOW	7GHz-13.6GHz	Pass
OB2	3	1851.5	QPSK	15	LOW	13.6GHz-20GHz	Pass
OB2	3	1880	QPSK	15	LOW	30mHz-1GHz	Pass
OB2	3	1880	QPSK	15	LOW	1GHz-7GHz	Pass
OB2	3	1880	QPSK	15	LOW	7GHz-13.6GHz	Pass
OB2	3	1880	QPSK	15	LOW	13.6GHz-20GHz	Pass
OB2	3	1908.5	QPSK	15	LOW	30mHz-1GHz	Pass
OB2	3	1908.5	QPSK	15	LOW	1GHz-7GHz	Pass
OB2	3	1908.5	QPSK	15	LOW	7GHz-13.6GHz	Pass
OB2	3	1908.5	QPSK	15	LOW	13.6GHz-20GHz	Pass
OB2	5	1852.5	QPSK	25	LOW	30mHz-1GHz	Pass
OB2	5	1852.5	QPSK	25	LOW	1GHz-7GHz	Pass
OB2	5	1852.5	QPSK	25	LOW	7GHz-13.6GHz	Pass
OB2	5	1852.5	QPSK	25	LOW	13.6GHz-20GHz	Pass
OB2	5	1880	QPSK	25	LOW	30mHz-1GHz	Pass
OB2	5	1880	QPSK	25	LOW	1GHz-7GHz	Pass
OB2	5	1880	QPSK	25	LOW	7GHz-13.6GHz	Pass
OB2	5	1880	QPSK	25	LOW	13.6GHz-20GHz	Pass
OB2	5	1907.5	QPSK	25	LOW	30mHz-1GHz	Pass
OB2	5	1907.5	QPSK	25	LOW	1GHz-7GHz	Pass
OB2	5	1907.5	QPSK	25	LOW	7GHz-13.6GHz	Pass
OB2	5	1907.5	QPSK	25	LOW	13.6GHz-20GHz	Pass
OB2	10	1855	QPSK	50	LOW	30mHz-1GHz	Pass
OB2	10	1855	QPSK	50	LOW	1GHz-7GHz	Pass
OB2	10	1855	QPSK	50	LOW	7GHz-13.6GHz	Pass
OB2	10	1855	QPSK	50	LOW	13.6GHz-20GHz	Pass

OB2	10	1880	QPSK	50	LOW	30mHz-1GHz	Pass
OB2	10	1880	QPSK	50	LOW	1GHz-7GHz	Pass
OB2	10	1880	QPSK	50	LOW	7GHz-13.6GHz	Pass
OB2	10	1880	QPSK	50	LOW	13.6GHz-20GHz	Pass
OB2	10	1905	QPSK	50	LOW	30mHz-1GHz	Pass
OB2	10	1905	QPSK	50	LOW	1GHz-7GHz	Pass
OB2	10	1905	QPSK	50	LOW	7GHz-13.6GHz	Pass
OB2	10	1905	QPSK	50	LOW	13.6GHz-20GHz	Pass
OB2	15	1857.5	QPSK	75	LOW	30mHz-1GHz	Pass
OB2	15	1857.5	QPSK	75	LOW	1GHz-7GHz	Pass
OB2	15	1857.5	QPSK	75	LOW	7GHz-13.6GHz	Pass
OB2	15	1857.5	QPSK	75	LOW	13.6GHz-20GHz	Pass
OB2	15	1880	QPSK	75	LOW	30mHz-1GHz	Pass
OB2	15	1880	QPSK	75	LOW	1GHz-7GHz	Pass
OB2	15	1880	QPSK	75	LOW	7GHz-13.6GHz	Pass
OB2	15	1880	QPSK	75	LOW	13.6GHz-20GHz	Pass
OB2	15	1902.5	QPSK	75	LOW	30mHz-1GHz	Pass
OB2	15	1902.5	QPSK	75	LOW	1GHz-7GHz	Pass
OB2	15	1902.5	QPSK	75	LOW	7GHz-13.6GHz	Pass
OB2	15	1902.5	QPSK	75	LOW	13.6GHz-20GHz	Pass
OB2	20	1860	QPSK	100	LOW	30mHz-1GHz	Pass
OB2	20	1860	QPSK	100	LOW	1GHz-7GHz	Pass
OB2	20	1860	QPSK	100	LOW	7GHz-13.6GHz	Pass
OB2	20	1860	QPSK	100	LOW	13.6GHz-20GHz	Pass
OB2	20	1880	QPSK	100	LOW	30mHz-1GHz	Pass
OB2	20	1880	QPSK	100	LOW	1GHz-7GHz	Pass
OB2	20	1880	QPSK	100	LOW	7GHz-13.6GHz	Pass
OB2	20	1880	QPSK	100	LOW	13.6GHz-20GHz	Pass
OB2	20	1900	QPSK	100	LOW	30mHz-1GHz	Pass
OB2	20	1900	QPSK	100	LOW	1GHz-7GHz	Pass
OB2	20	1900	QPSK	100	LOW	7GHz-13.6GHz	Pass
OB2	20	1900	QPSK	100	LOW	13.6GHz-20GHz	Pass
OB2	1.4	1850.7	Q16	6	LOW	30mHz-1GHz	Pass
OB2	1.4	1850.7	Q16	6	LOW	1GHz-7GHz	Pass
OB2	1.4	1850.7	Q16	6	LOW	7GHz-13.6GHz	Pass
OB2	1.4	1850.7	Q16	6	LOW	13.6GHz-20GHz	Pass
OB2	1.4	1880	Q16	6	LOW	30mHz-1GHz	Pass
OB2	1.4	1880	Q16	6	LOW	1GHz-7GHz	Pass
OB2	1.4	1880	Q16	6	LOW	7GHz-13.6GHz	Pass
OB2	1.4	1880	Q16	6	LOW	13.6GHz-20GHz	Pass
OB2	1.4	1909.3	Q16	6	LOW	30mHz-1GHz	Pass
OB2	1.4	1909.3	Q16	6	LOW	1GHz-7GHz	Pass
OB2	1.4	1909.3	Q16	6	LOW	7GHz-13.6GHz	Pass
OB2	1.4	1909.3	Q16	6	LOW	13.6GHz-20GHz	Pass
OB2	3	1851.5	Q16	15	LOW	30mHz-1GHz	Pass
OB2	3	1851.5	Q16	15	LOW	1GHz-7GHz	Pass

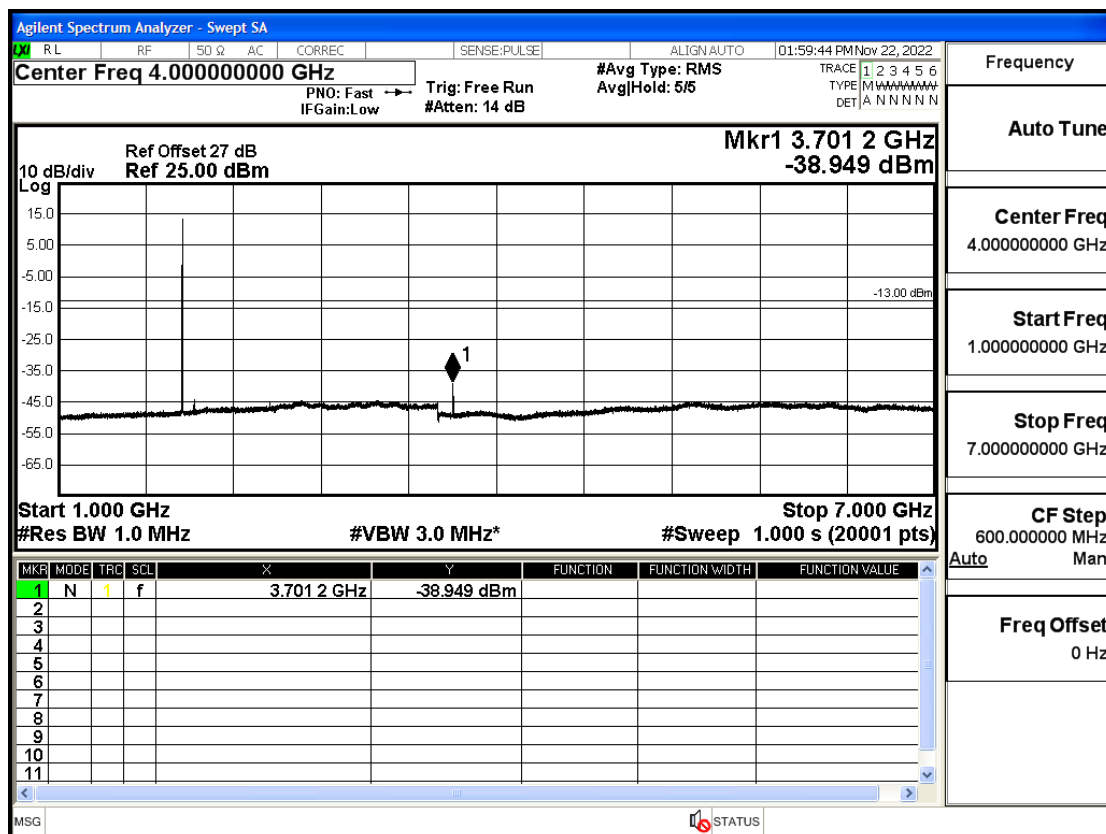
OB2	3	1851.5	Q16	15	LOW	7GHz-13.6GHz	Pass
OB2	3	1851.5	Q16	15	LOW	13.6GHz-20GHz	Pass
OB2	3	1880	Q16	15	LOW	30mHz-1GHz	Pass
OB2	3	1880	Q16	15	LOW	1GHz-7GHz	Pass
OB2	3	1880	Q16	15	LOW	7GHz-13.6GHz	Pass
OB2	3	1880	Q16	15	LOW	13.6GHz-20GHz	Pass
OB2	3	1908.5	Q16	15	LOW	30mHz-1GHz	Pass
OB2	3	1908.5	Q16	15	LOW	1GHz-7GHz	Pass
OB2	3	1908.5	Q16	15	LOW	7GHz-13.6GHz	Pass
OB2	3	1908.5	Q16	15	LOW	13.6GHz-20GHz	Pass
OB2	5	1852.5	Q16	25	LOW	30mHz-1GHz	Pass
OB2	5	1852.5	Q16	25	LOW	1GHz-7GHz	Pass
OB2	5	1852.5	Q16	25	LOW	7GHz-13.6GHz	Pass
OB2	5	1852.5	Q16	25	LOW	13.6GHz-20GHz	Pass
OB2	5	1880	Q16	25	LOW	30mHz-1GHz	Pass
OB2	5	1880	Q16	25	LOW	1GHz-7GHz	Pass
OB2	5	1880	Q16	25	LOW	7GHz-13.6GHz	Pass
OB2	5	1880	Q16	25	LOW	13.6GHz-20GHz	Pass
OB2	5	1907.5	Q16	25	LOW	30mHz-1GHz	Pass
OB2	5	1907.5	Q16	25	LOW	1GHz-7GHz	Pass
OB2	5	1907.5	Q16	25	LOW	7GHz-13.6GHz	Pass
OB2	5	1907.5	Q16	25	LOW	13.6GHz-20GHz	Pass
OB2	10	1855	Q16	50	LOW	30mHz-1GHz	Pass
OB2	10	1855	Q16	50	LOW	1GHz-7GHz	Pass
OB2	10	1855	Q16	50	LOW	7GHz-13.6GHz	Pass
OB2	10	1855	Q16	50	LOW	13.6GHz-20GHz	Pass
OB2	10	1880	Q16	50	LOW	30mHz-1GHz	Pass
OB2	10	1880	Q16	50	LOW	1GHz-7GHz	Pass
OB2	10	1880	Q16	50	LOW	7GHz-13.6GHz	Pass
OB2	10	1880	Q16	50	LOW	13.6GHz-20GHz	Pass
OB2	10	1905	Q16	50	LOW	30mHz-1GHz	Pass
OB2	10	1905	Q16	50	LOW	1GHz-7GHz	Pass
OB2	10	1905	Q16	50	LOW	7GHz-13.6GHz	Pass
OB2	10	1905	Q16	50	LOW	13.6GHz-20GHz	Pass
OB2	15	1857.5	Q16	75	LOW	30mHz-1GHz	Pass
OB2	15	1857.5	Q16	75	LOW	1GHz-7GHz	Pass
OB2	15	1857.5	Q16	75	LOW	7GHz-13.6GHz	Pass
OB2	15	1857.5	Q16	75	LOW	13.6GHz-20GHz	Pass
OB2	15	1880	Q16	75	LOW	30mHz-1GHz	Pass
OB2	15	1880	Q16	75	LOW	1GHz-7GHz	Pass
OB2	15	1880	Q16	75	LOW	7GHz-13.6GHz	Pass
OB2	15	1880	Q16	75	LOW	13.6GHz-20GHz	Pass
OB2	15	1902.5	Q16	75	LOW	30mHz-1GHz	Pass
OB2	15	1902.5	Q16	75	LOW	1GHz-7GHz	Pass
OB2	15	1902.5	Q16	75	LOW	7GHz-13.6GHz	Pass
OB2	15	1902.5	Q16	75	LOW	13.6GHz-20GHz	Pass

OB2	20	1860	Q16	100	LOW	30mHz-1GHz	Pass
OB2	20	1860	Q16	100	LOW	1GHz-7GHz	Pass
OB2	20	1860	Q16	100	LOW	7GHz-13.6GHz	Pass
OB2	20	1860	Q16	100	LOW	13.6GHz-20GHz	Pass
OB2	20	1880	Q16	100	LOW	30mHz-1GHz	Pass
OB2	20	1880	Q16	100	LOW	1GHz-7GHz	Pass
OB2	20	1880	Q16	100	LOW	7GHz-13.6GHz	Pass
OB2	20	1880	Q16	100	LOW	13.6GHz-20GHz	Pass
OB2	20	1900	Q16	100	LOW	30mHz-1GHz	Pass
OB2	20	1900	Q16	100	LOW	1GHz-7GHz	Pass
OB2	20	1900	Q16	100	LOW	7GHz-13.6GHz	Pass
OB2	20	1900	Q16	100	LOW	13.6GHz-20GHz	Pass

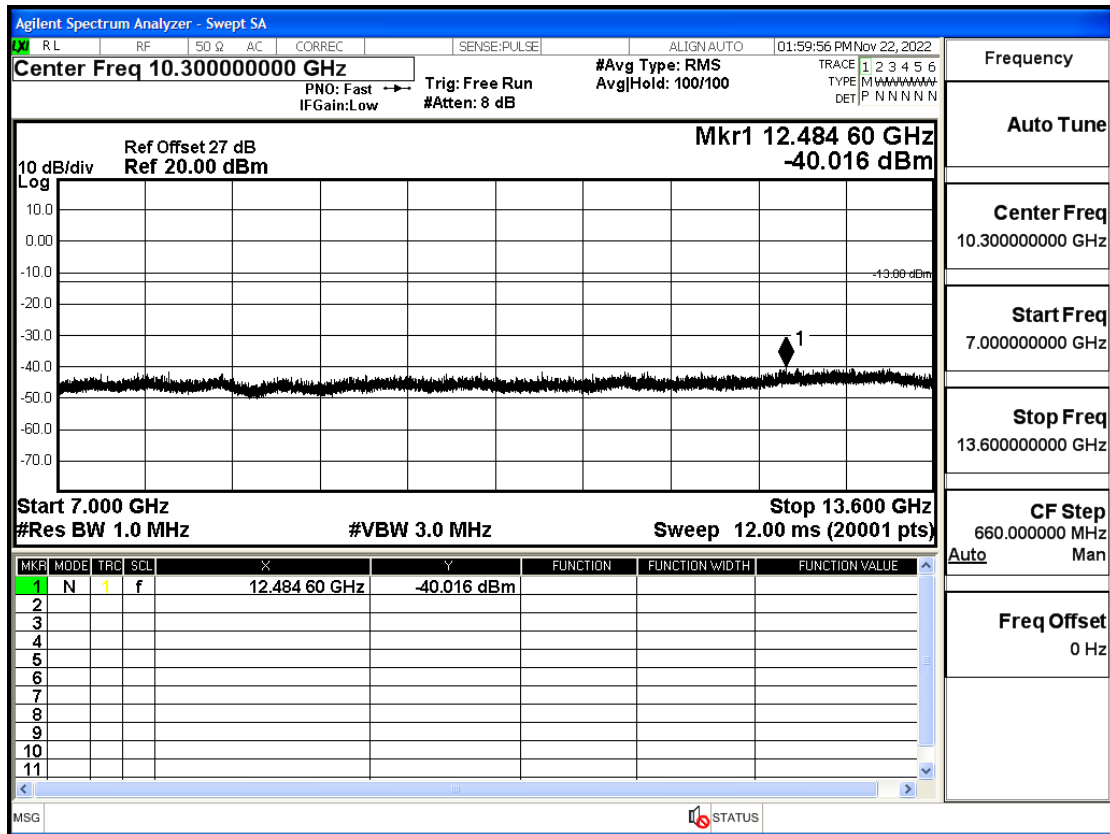
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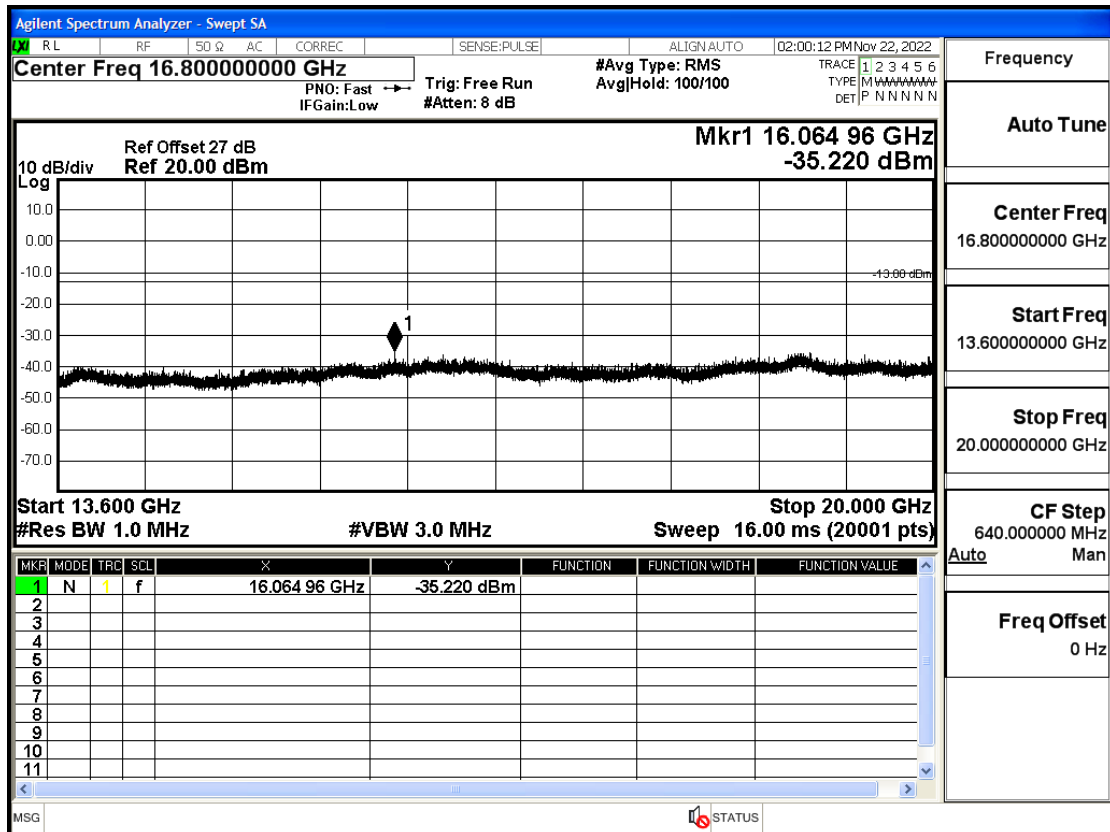
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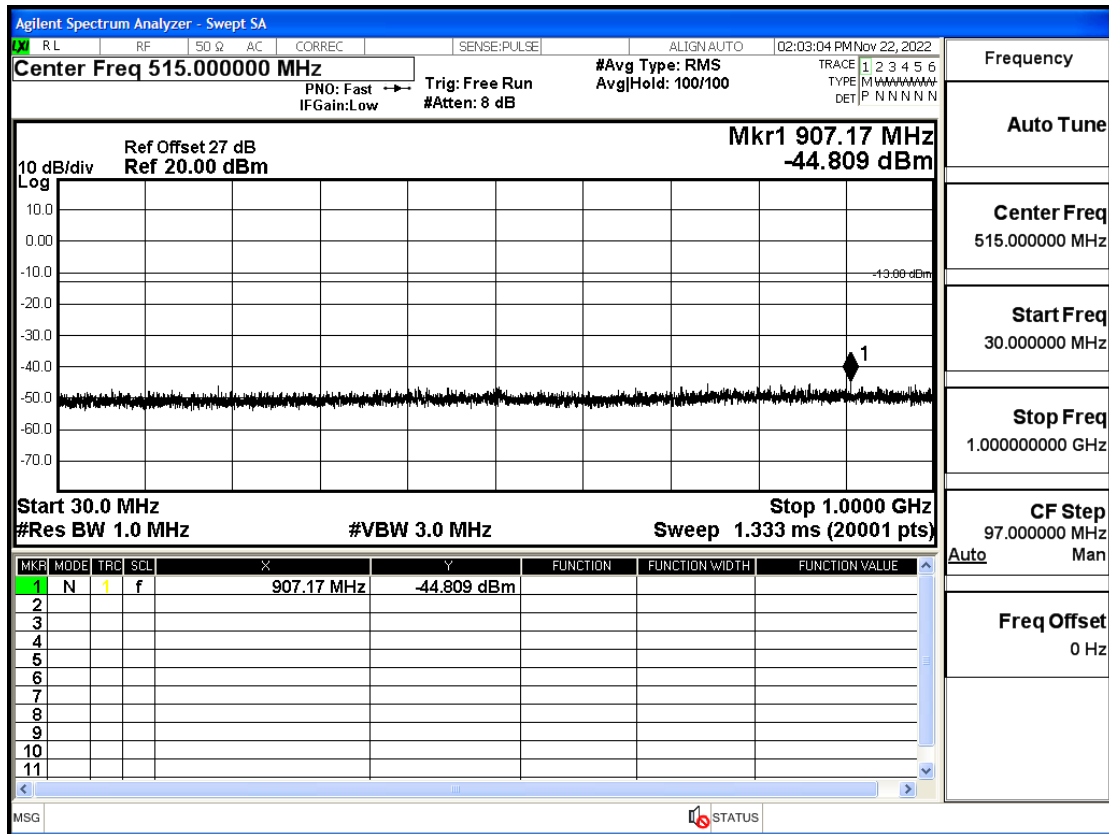
OB2-1.4-1850.7-QPSK-6#LOW@7GHz-13.6GHz@Pass



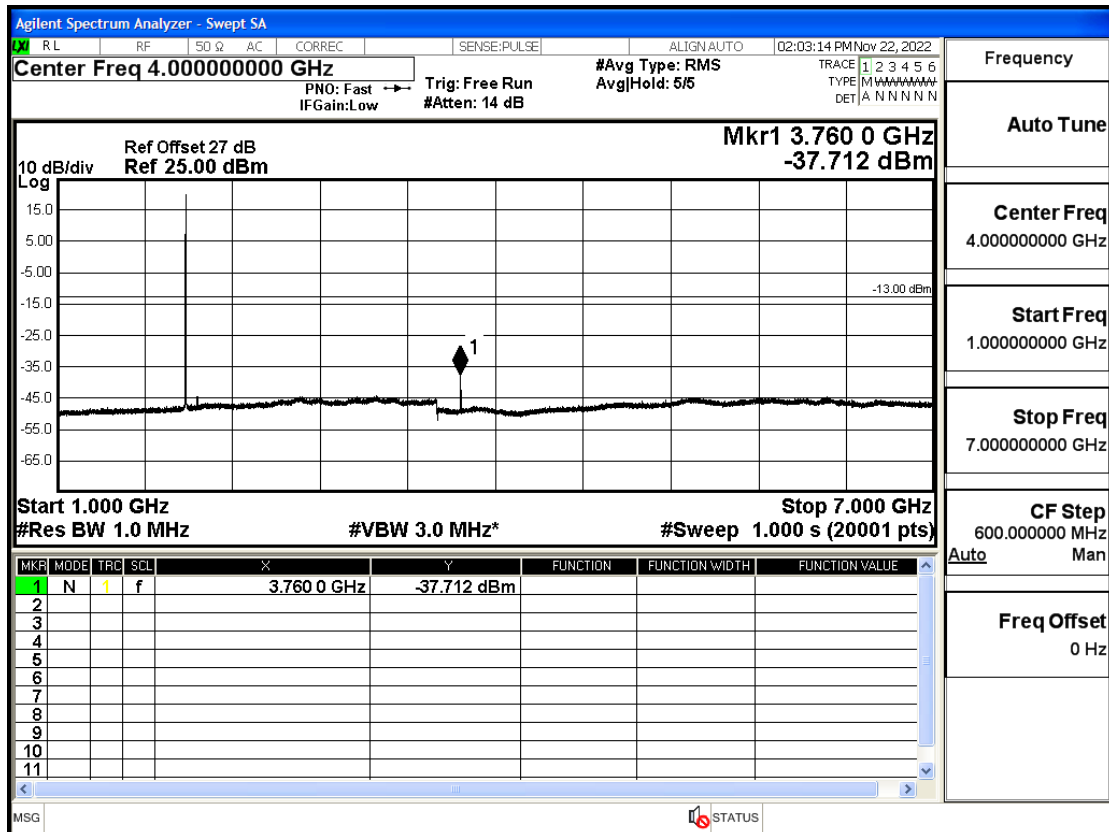
OB2-1.4-1850.7-QPSK-6#LOW@13.6GHz-20GHz@Pass



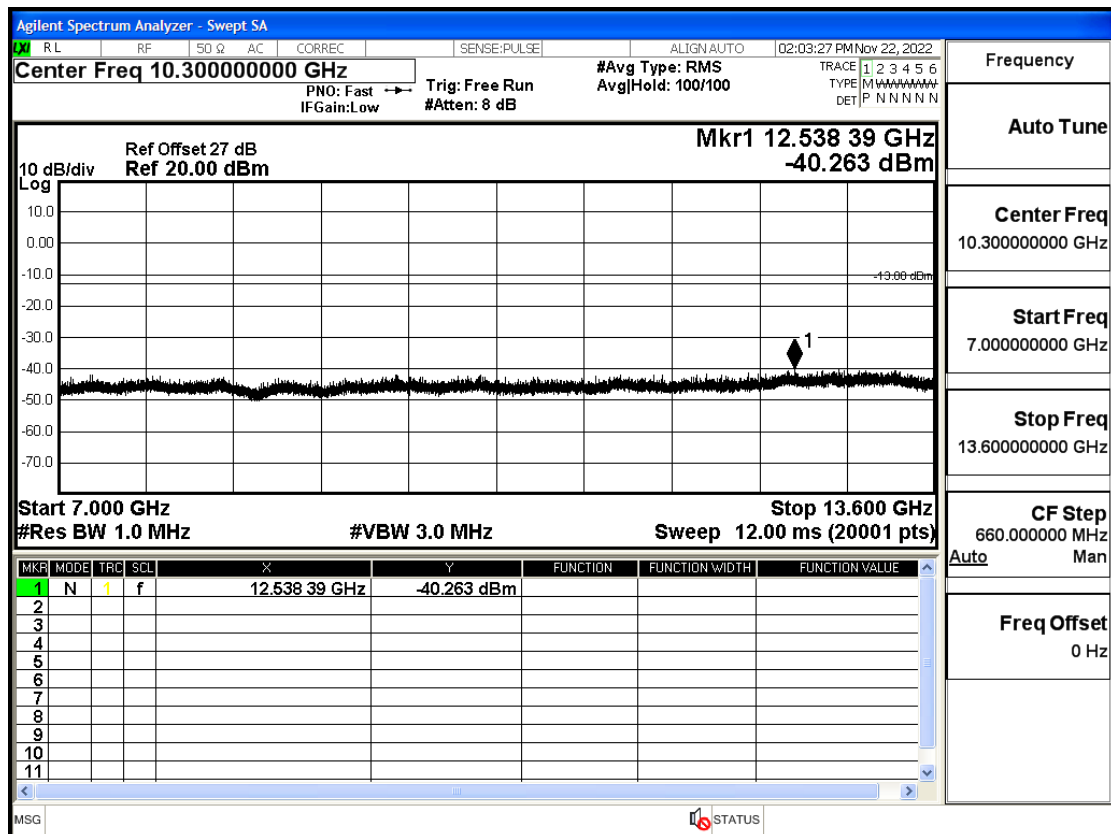
OB2-1.4-1880-QPSK-6#LOW@30mHz-1GHz@Pass



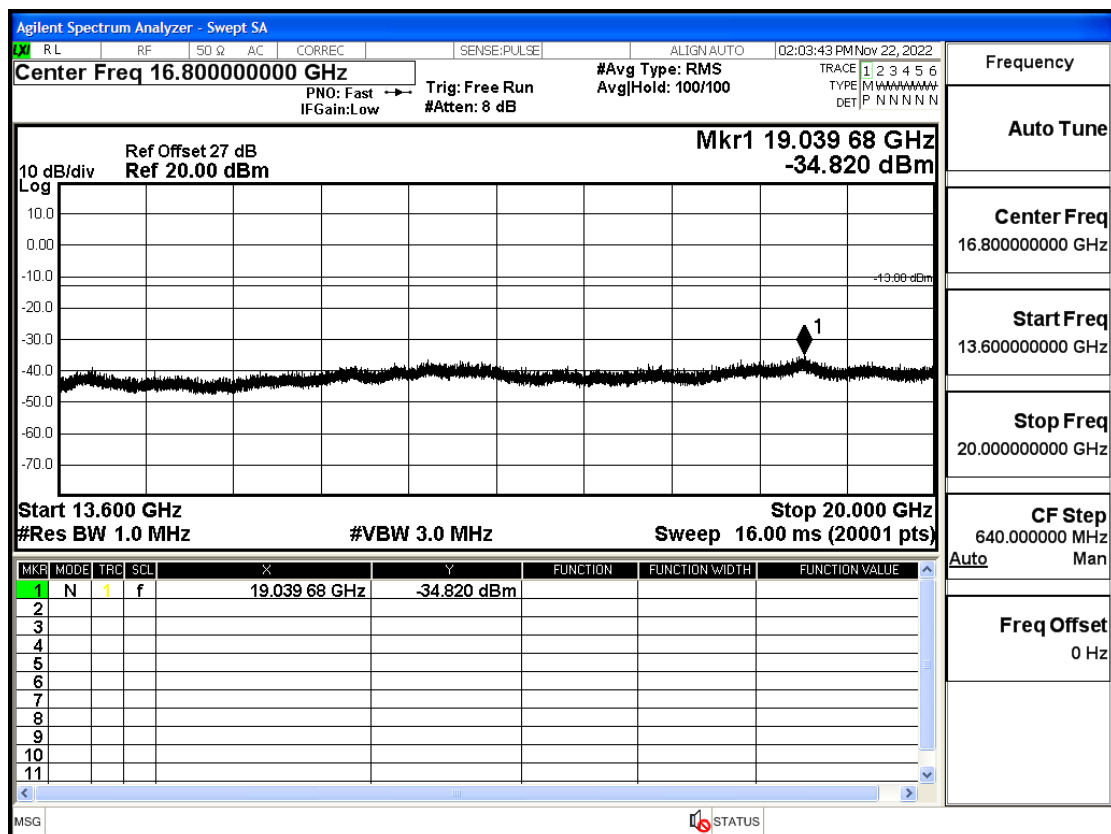
OB2-1.4-1880-QPSK-6#LOW@1GHz-7GHz@Pass



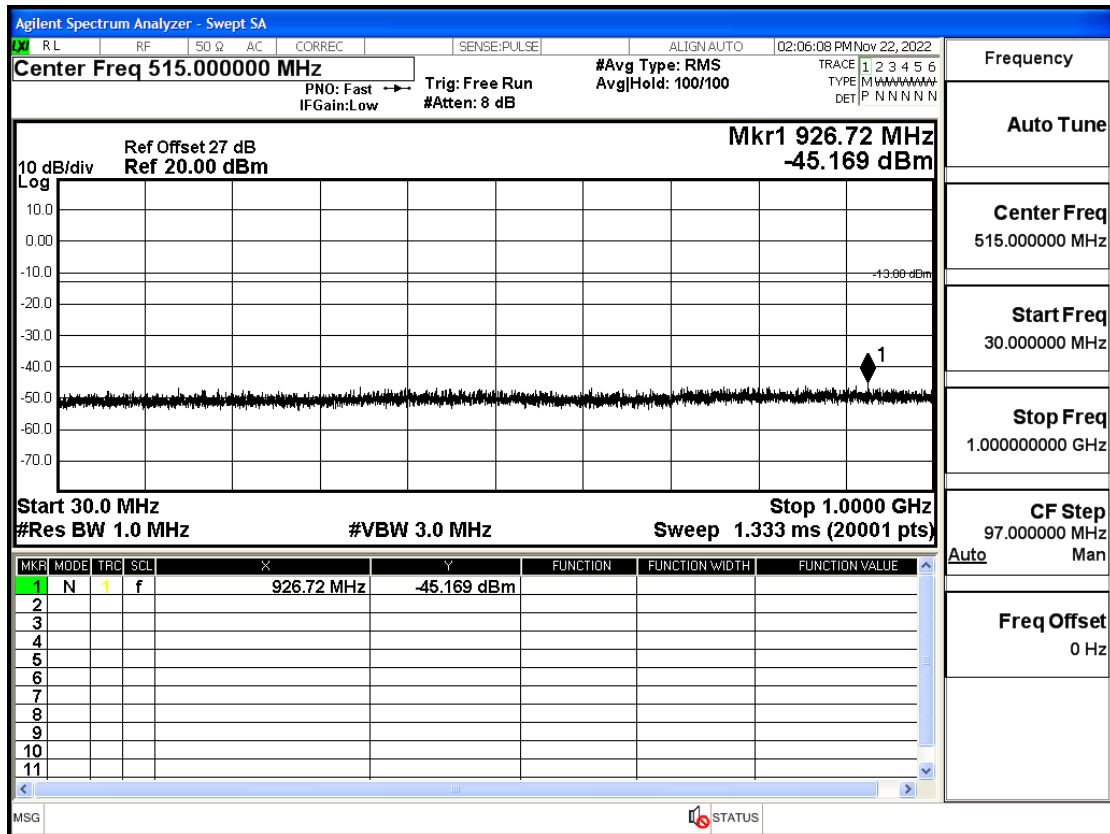
OB2-1.4-1880-QPSK-6#LOW@7GHz-13.6GHz@Pass



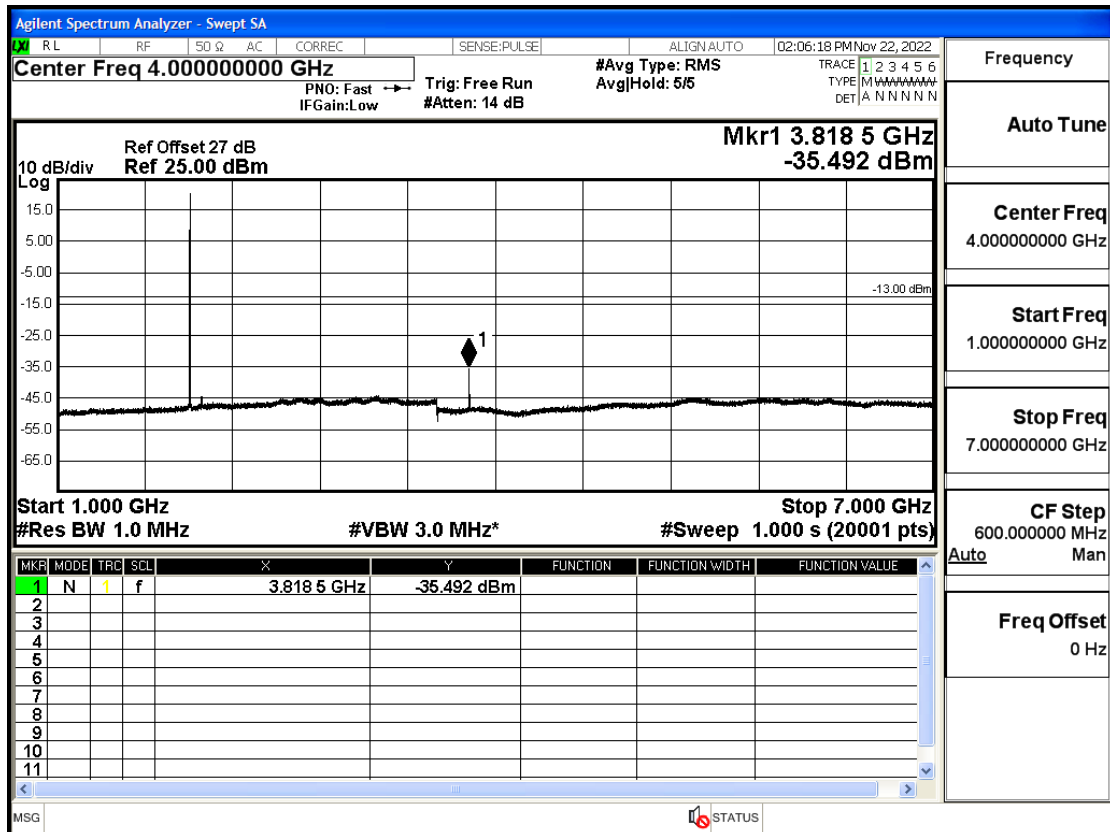
OB2-1.4-1880-QPSK-6#LOW@13.6GHz-20GHz@Pass



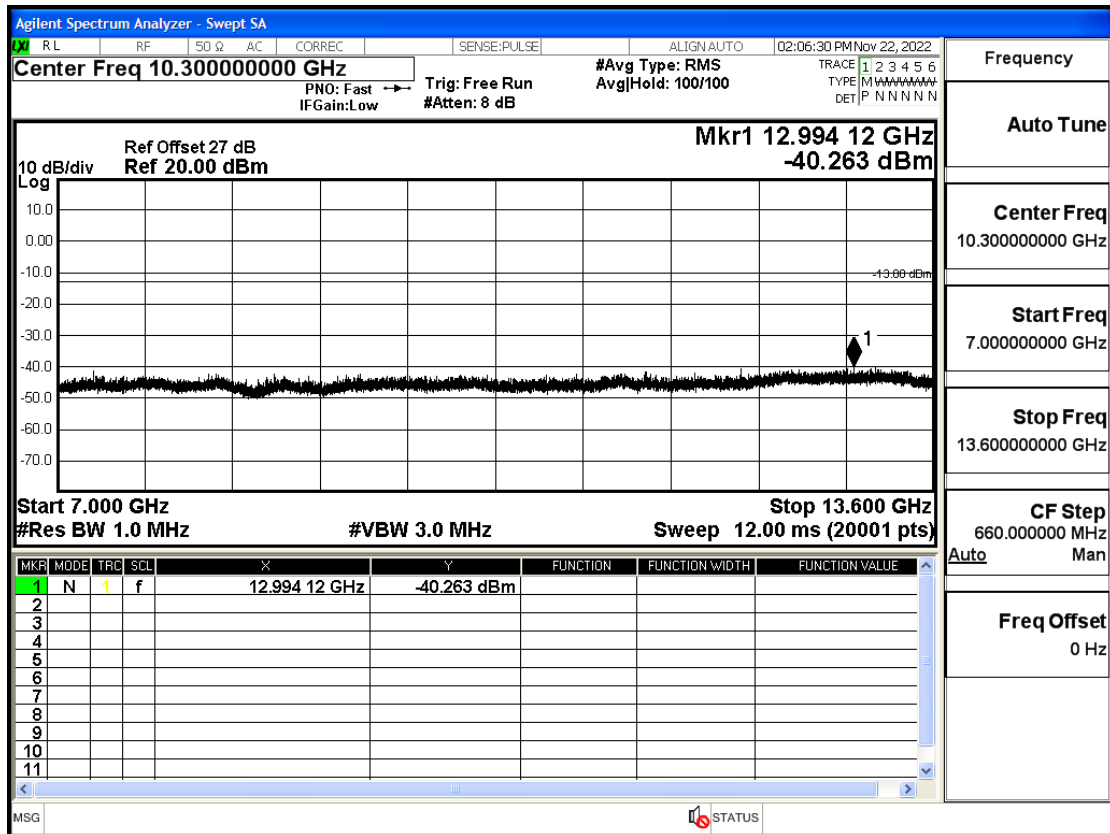
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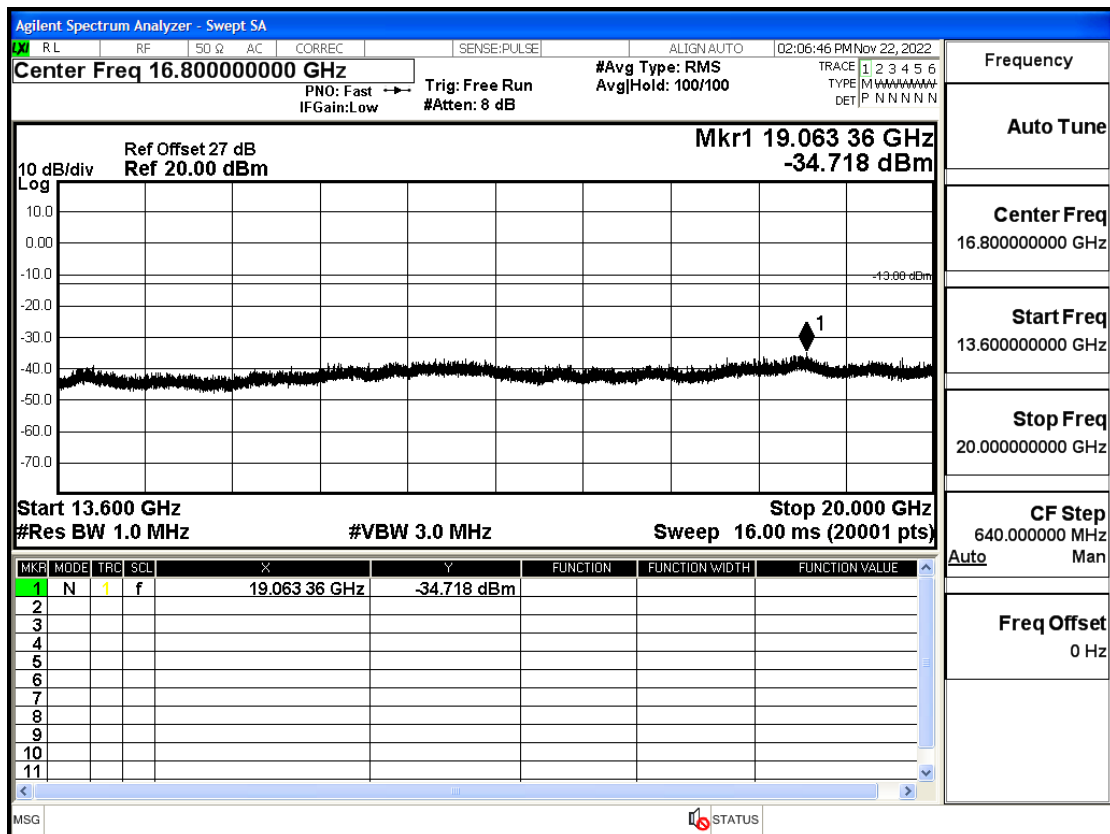
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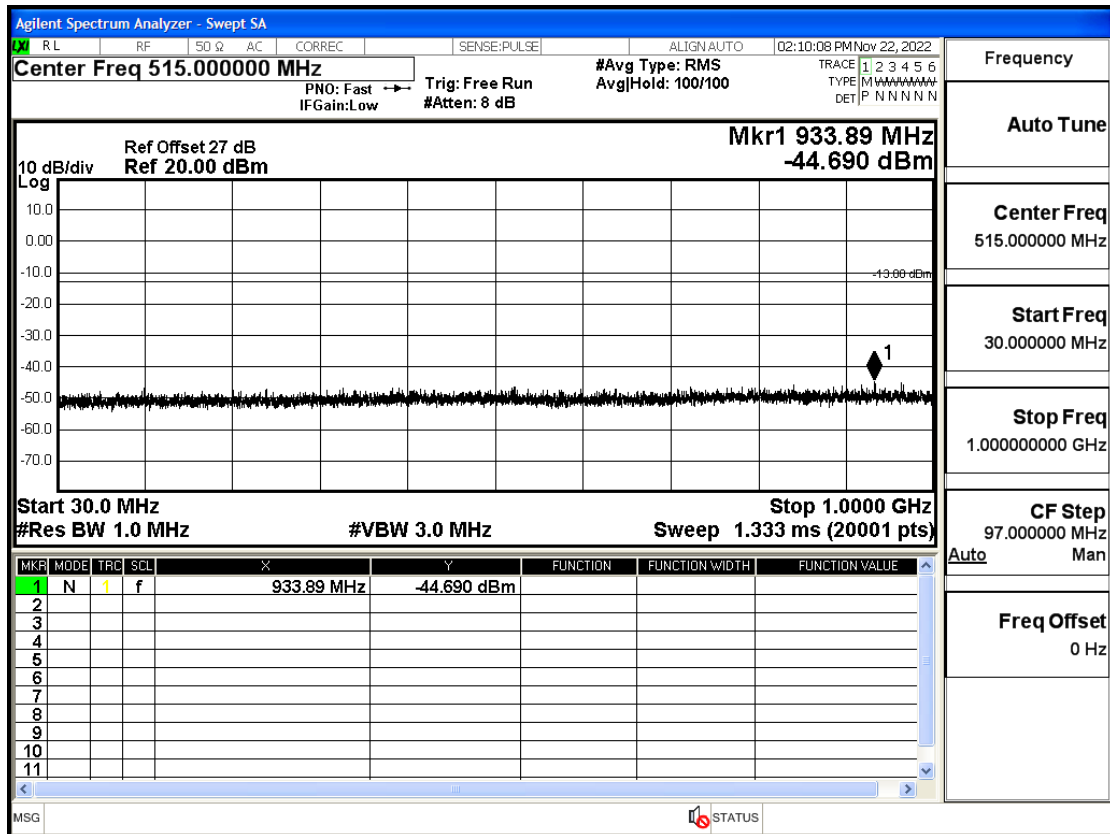
OB2-1.4-1909.3-QPSK-6#LOW@7GHz-13.6GHz@Pass



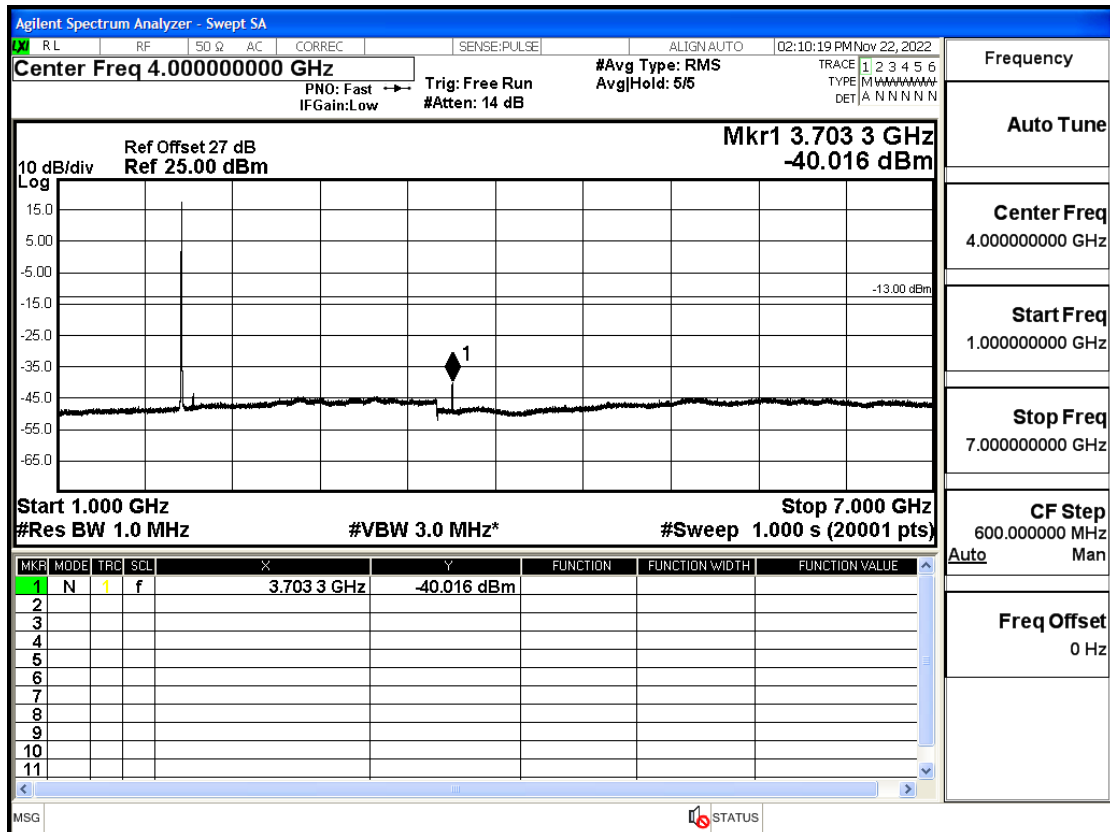
OB2-1.4-1909.3-QPSK-6#LOW@13.6GHz-20GHz@Pass



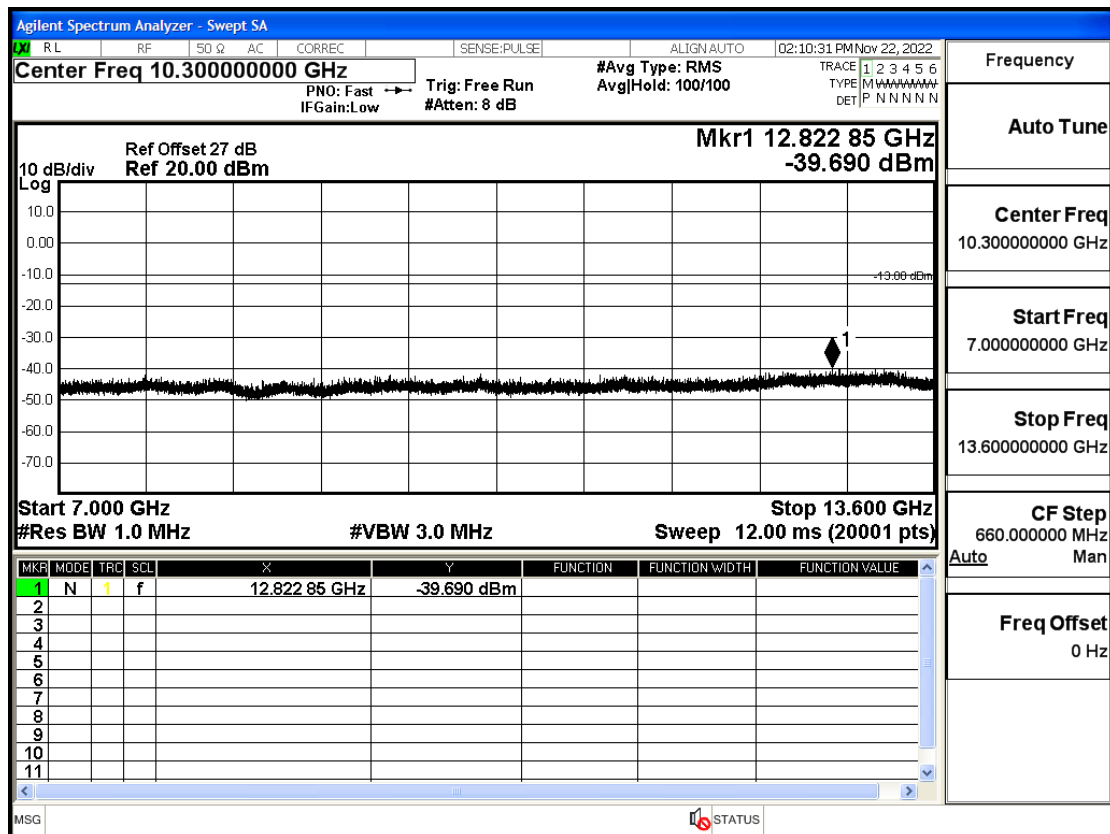
OB2-3-1851.5-QPSK-15#LOW@30mHz-1GHz@Pass



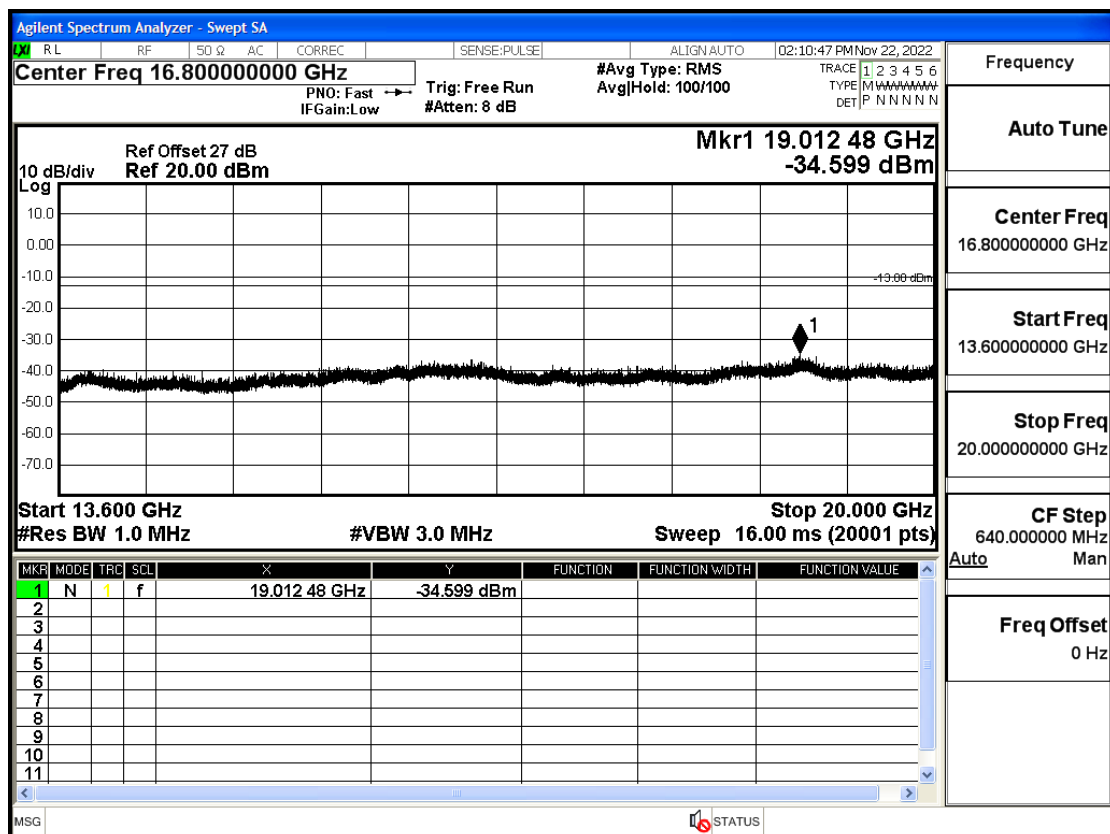
OB2-3-1851.5-QPSK-15#LOW@1GHz-7GHz@Pass



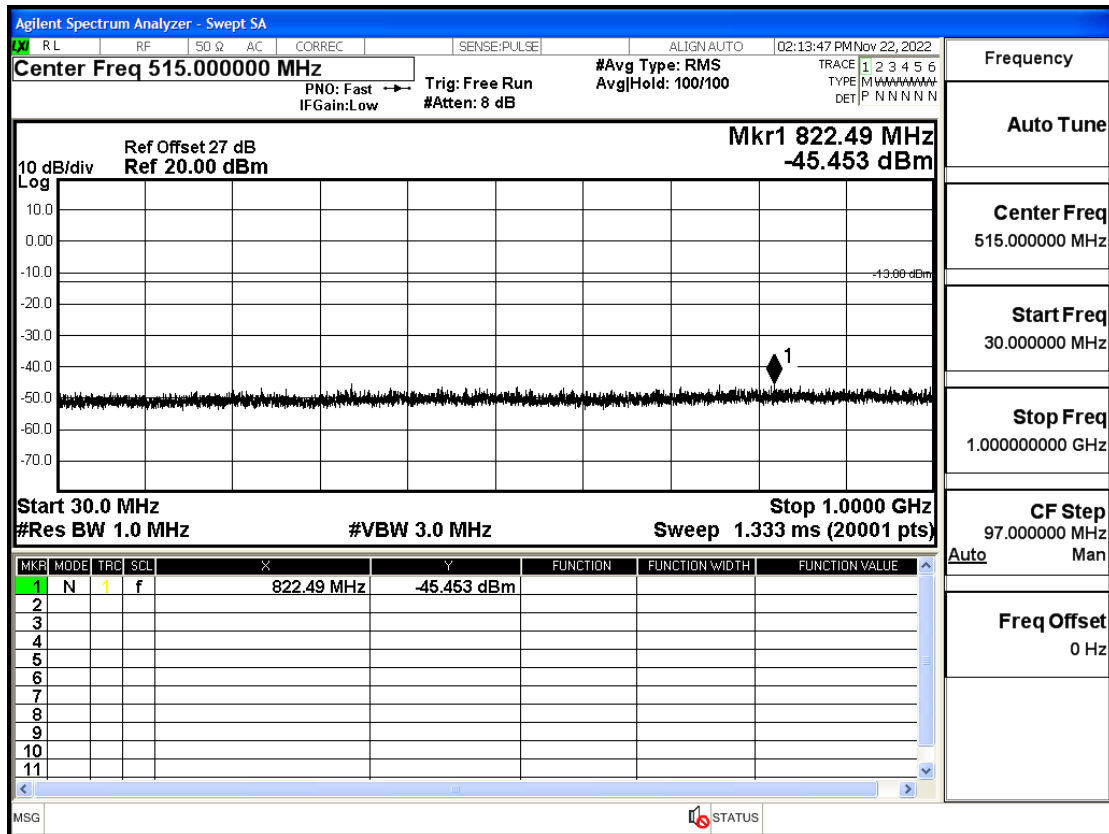
OB2-3-1851.5-QPSK-15#LOW@7GHz-13.6GHz@Pass



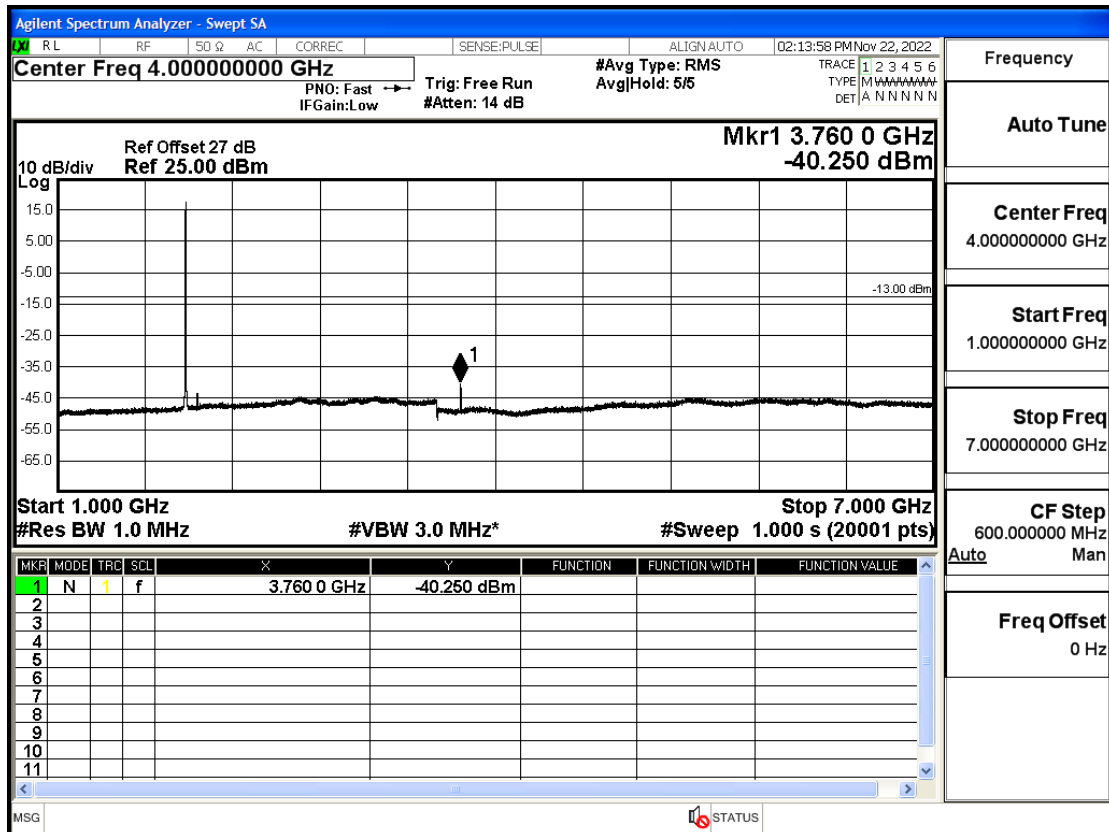
OB2-3-1851.5-QPSK-15#LOW@13.6GHz-20GHz@Pass



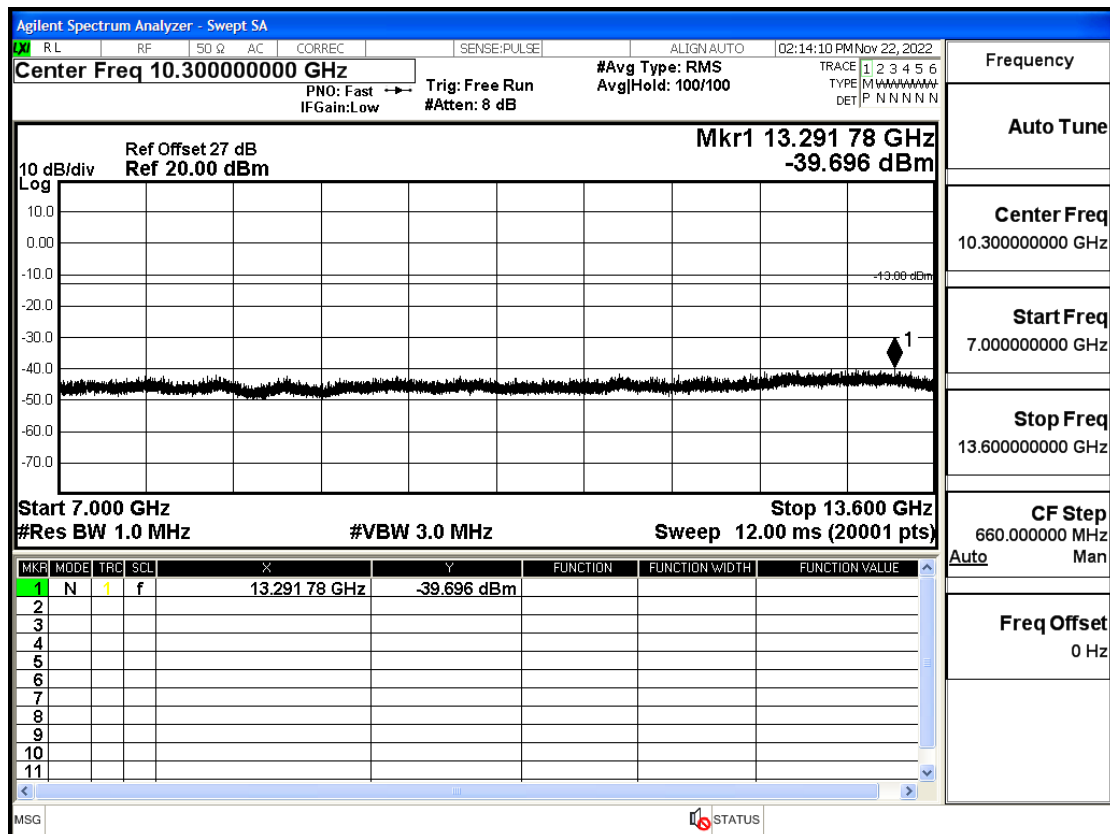
OB2-3-1880-QPSK-15#LOW@30mHz-1GHz@Pass



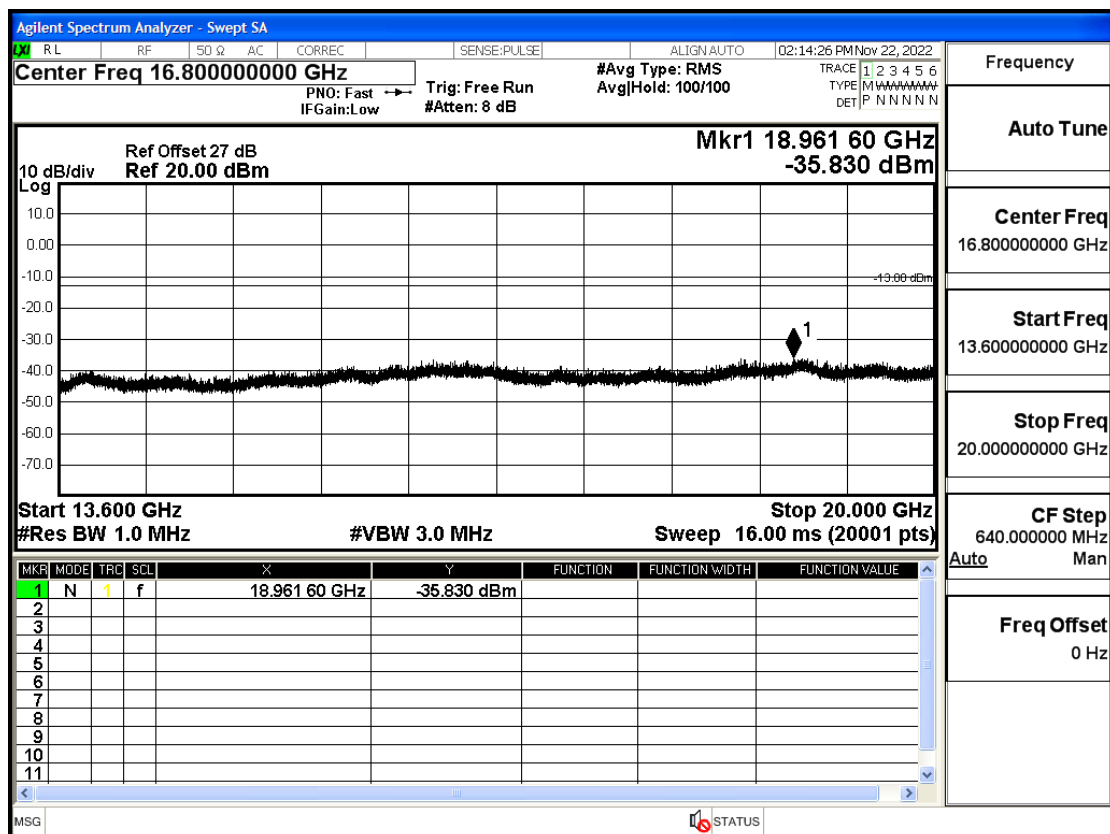
OB2-3-1880-QPSK-15#LOW@1GHz-7GHz@Pass



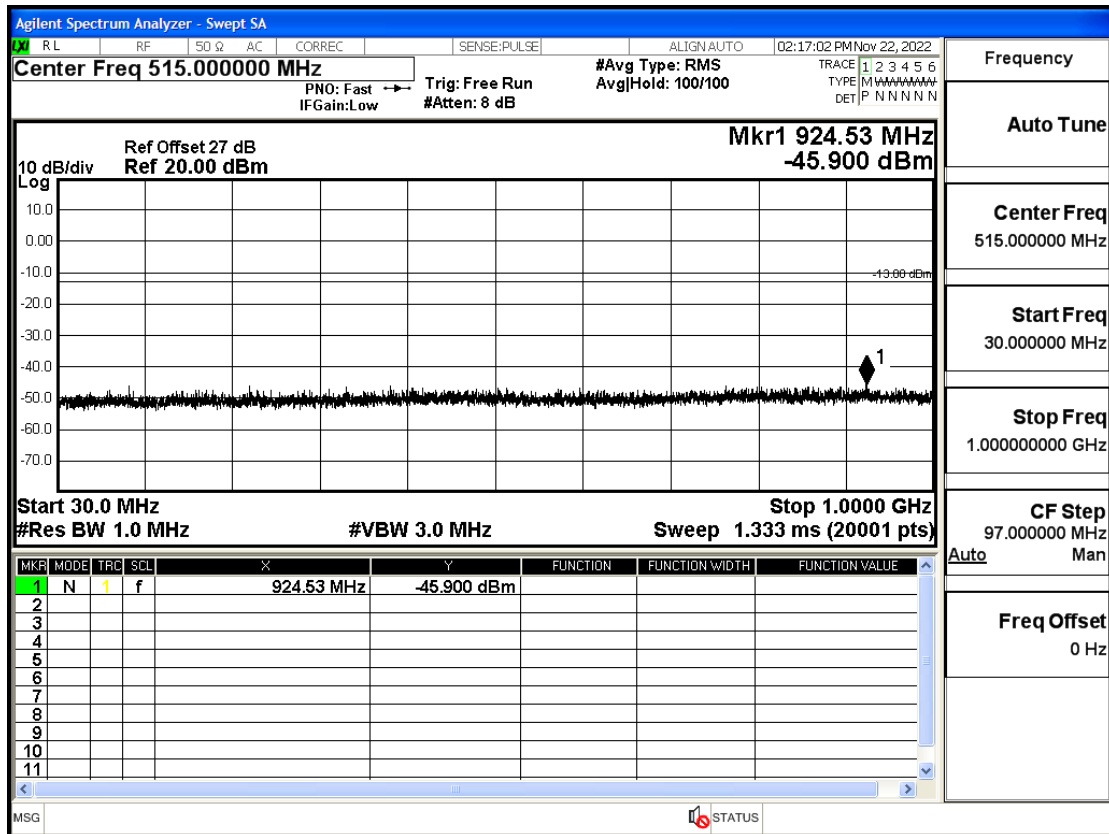
OB2-3-1880-QPSK-15#LOW@7GHz-13.6GHz@Pass



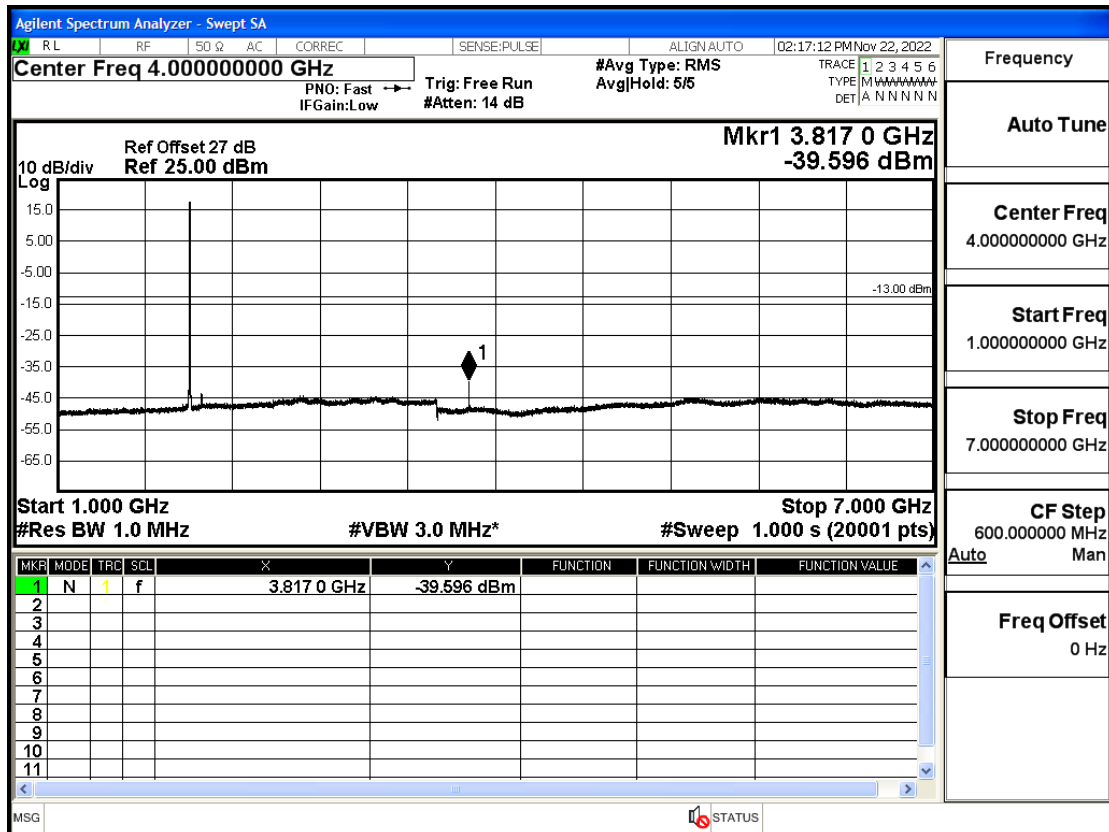
OB2-3-1880-QPSK-15#LOW@13.6GHz-20GHz@Pass



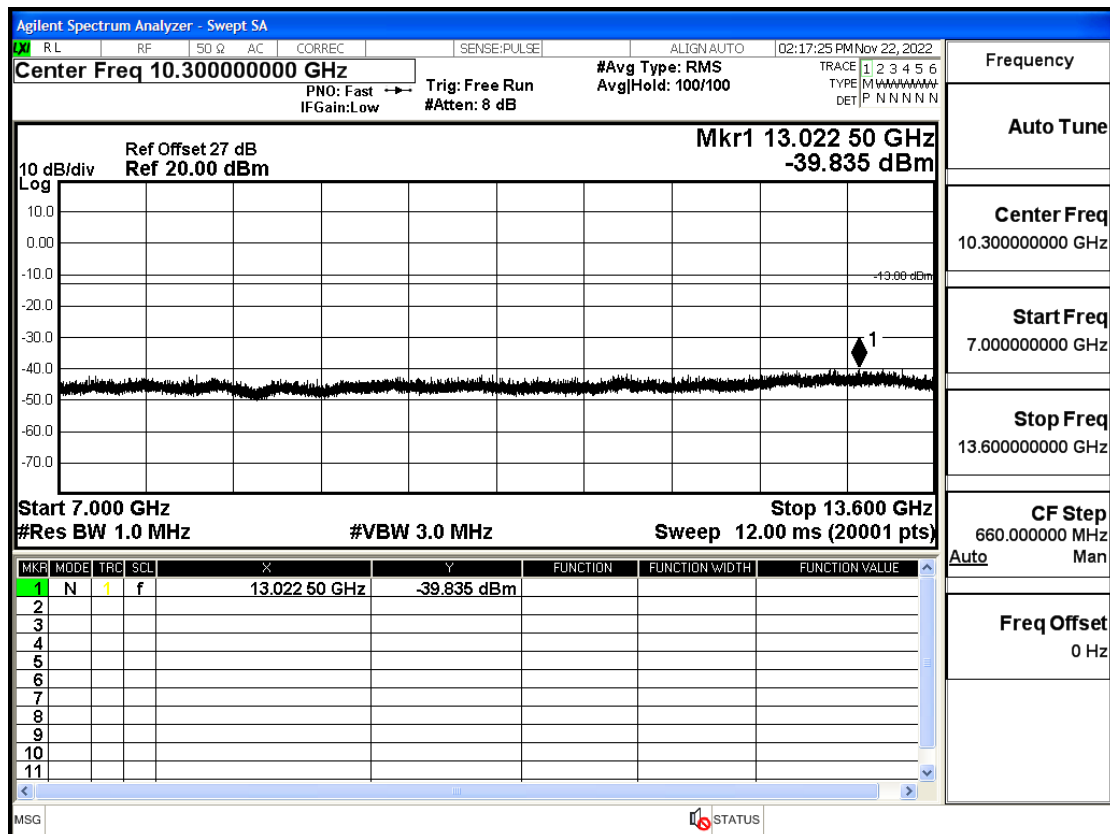
OB2-3-1908.5-QPSK-15#LOW@30mHz-1GHz@Pass



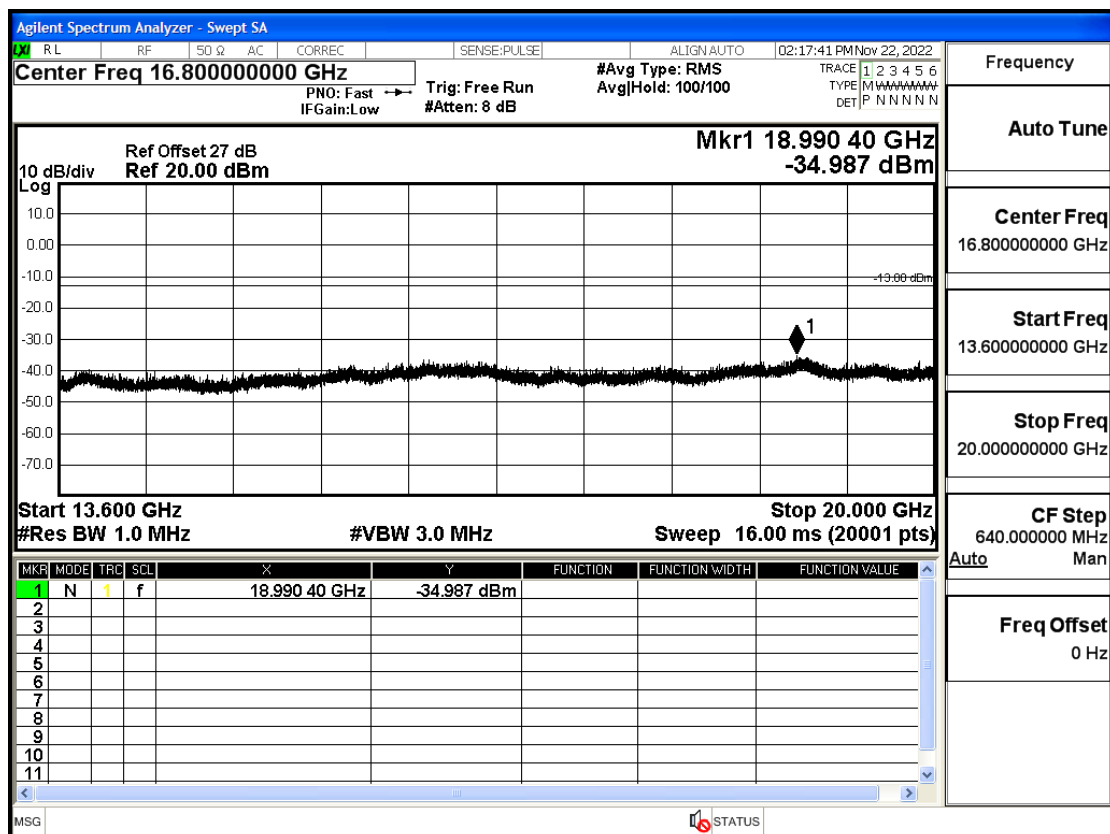
OB2-3-1908.5-QPSK-15#LOW@1GHz-7GHz@Pass



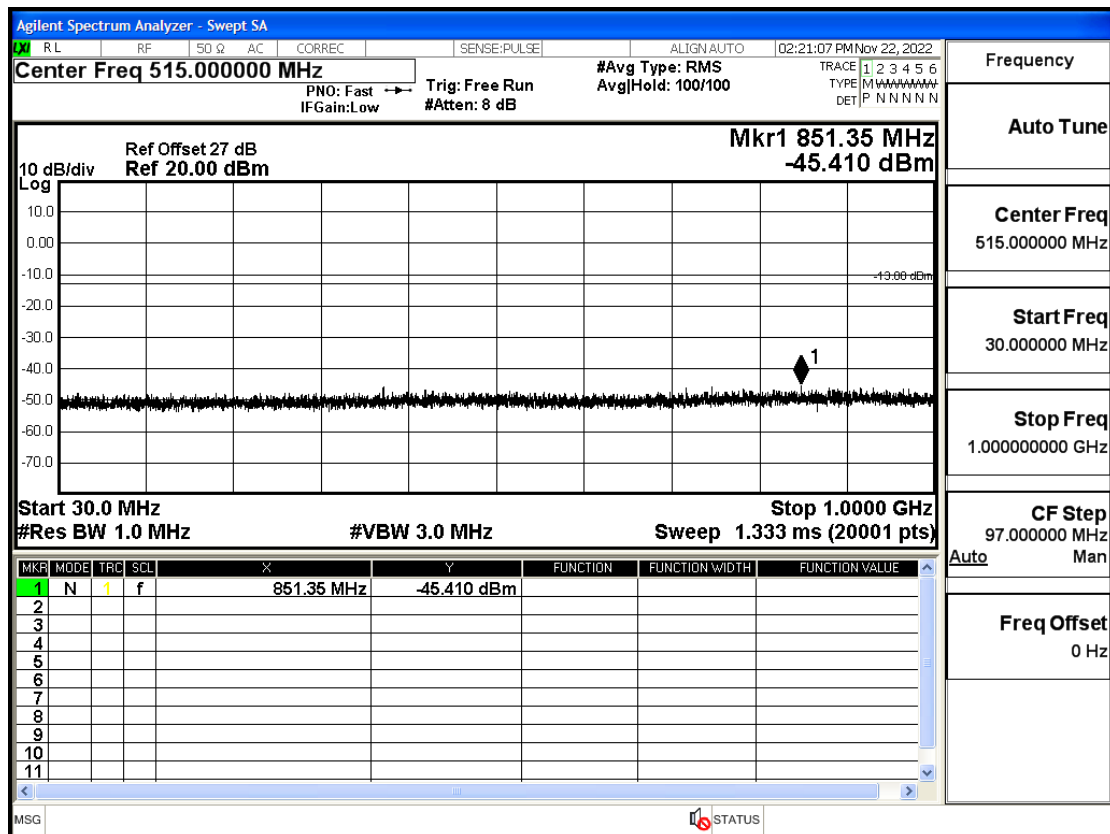
OB2-3-1908.5-QPSK-15#LOW@7GHz-13.6GHz@Pass



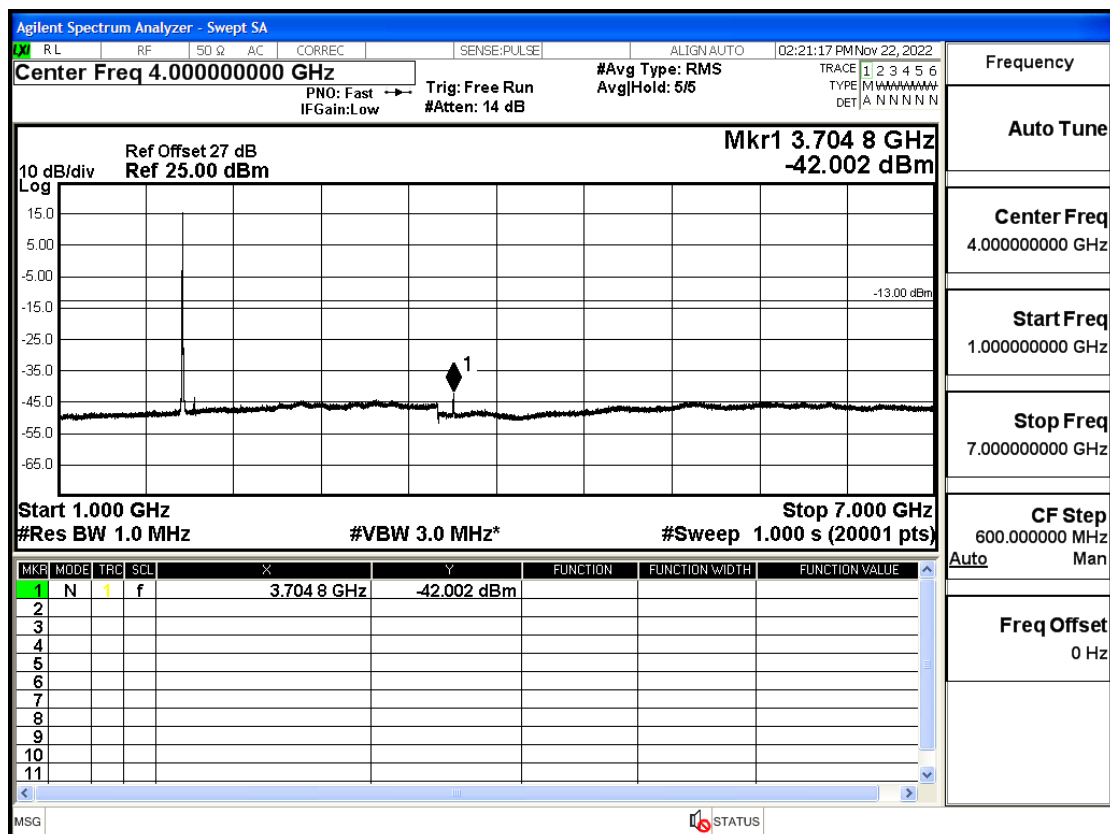
OB2-3-1908.5-QPSK-15#LOW@13.6GHz-20GHz@Pass



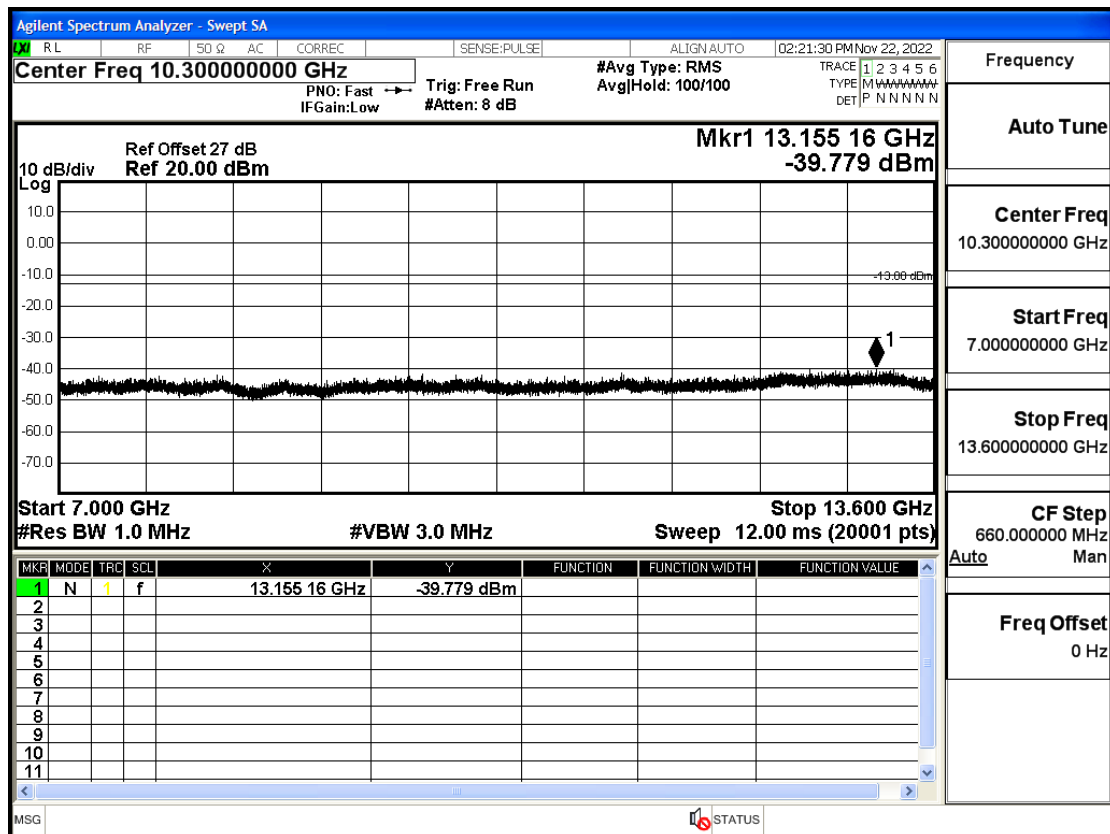
OB2-5-1852.5-QPSK-25#LOW@30mHz-1GHz@Pass



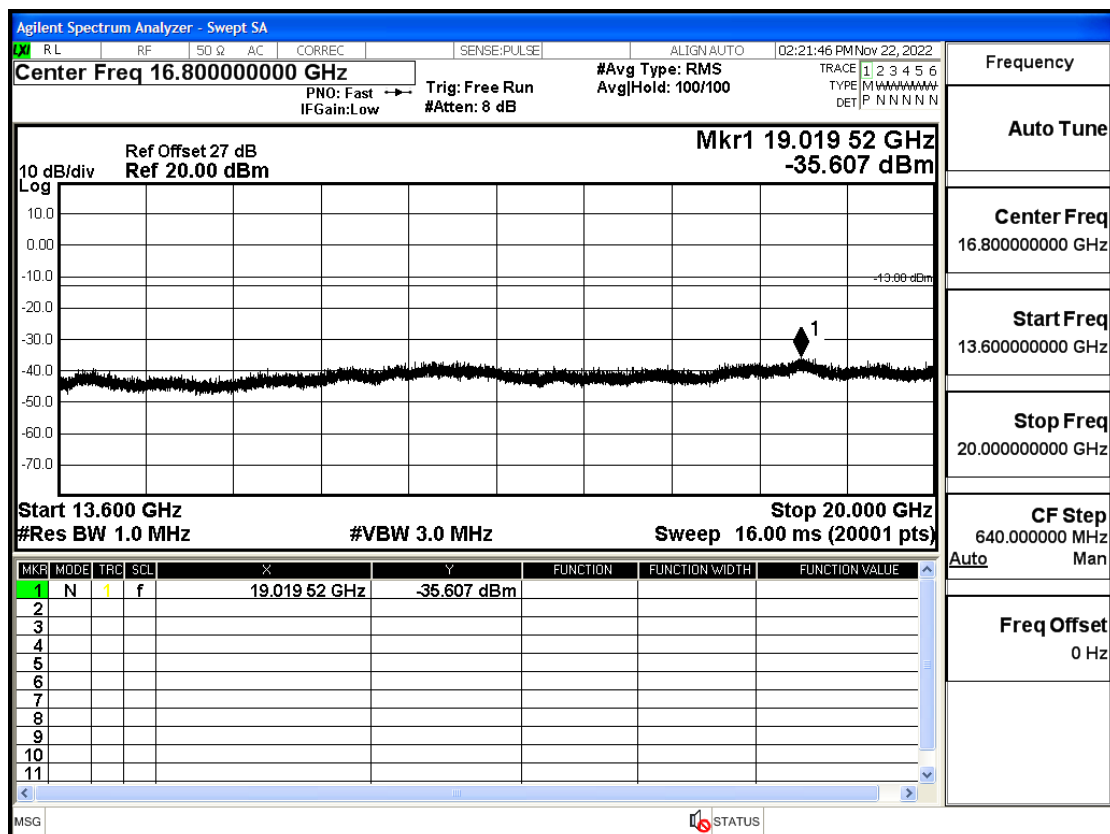
OB2-5-1852.5-QPSK-25#LOW@1GHz-7GHz@Pass



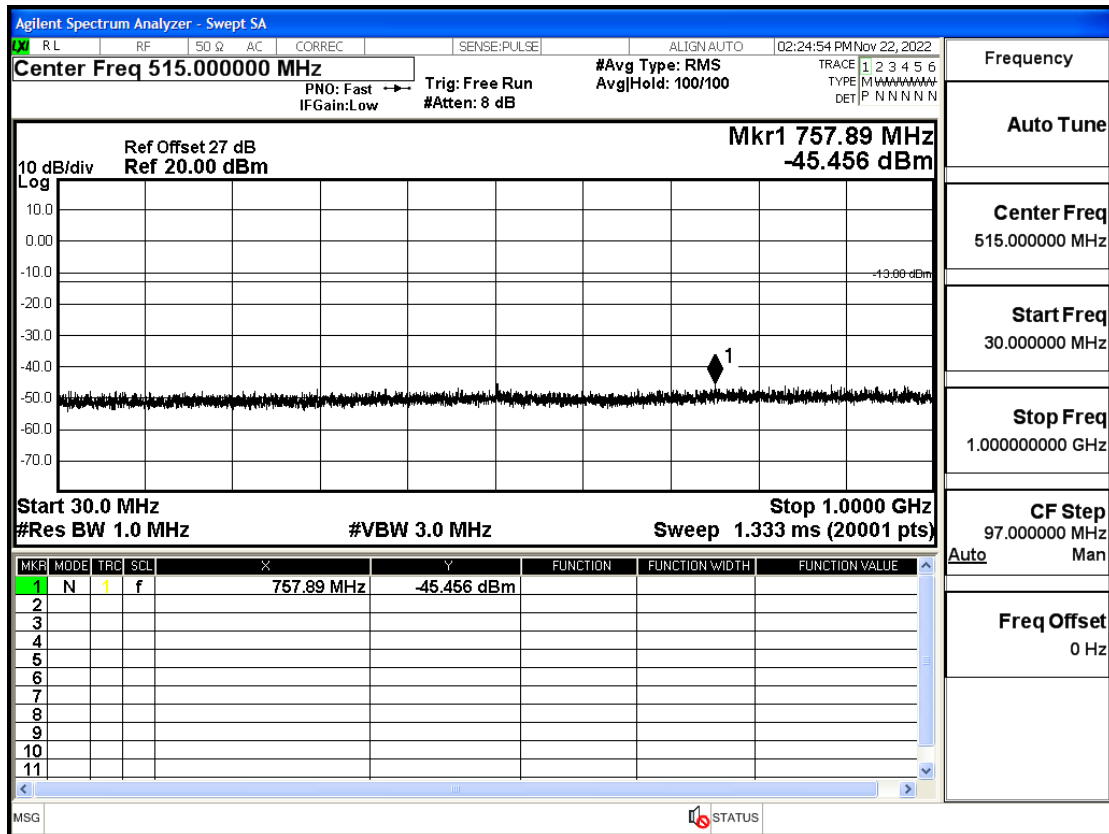
OB2-5-1852.5-QPSK-25#LOW@7GHz-13.6GHz@Pass



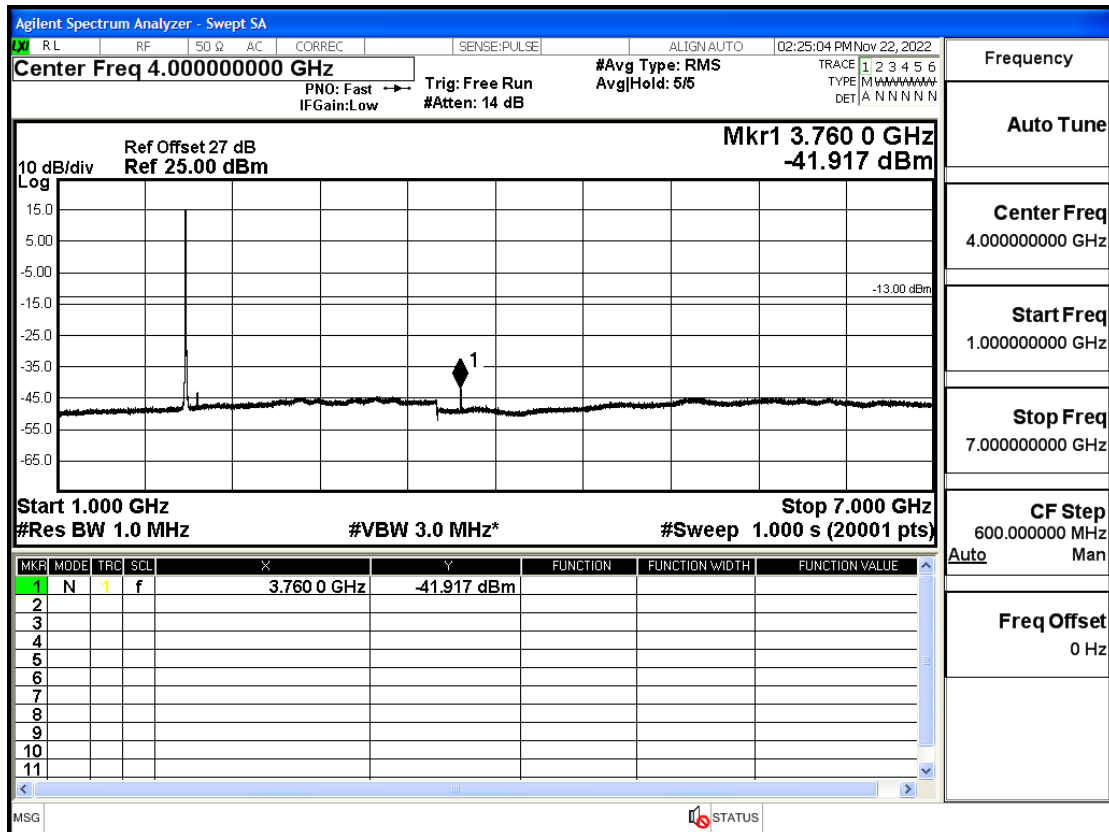
OB2-5-1852.5-QPSK-25#LOW@13.6GHz-20GHz@Pass



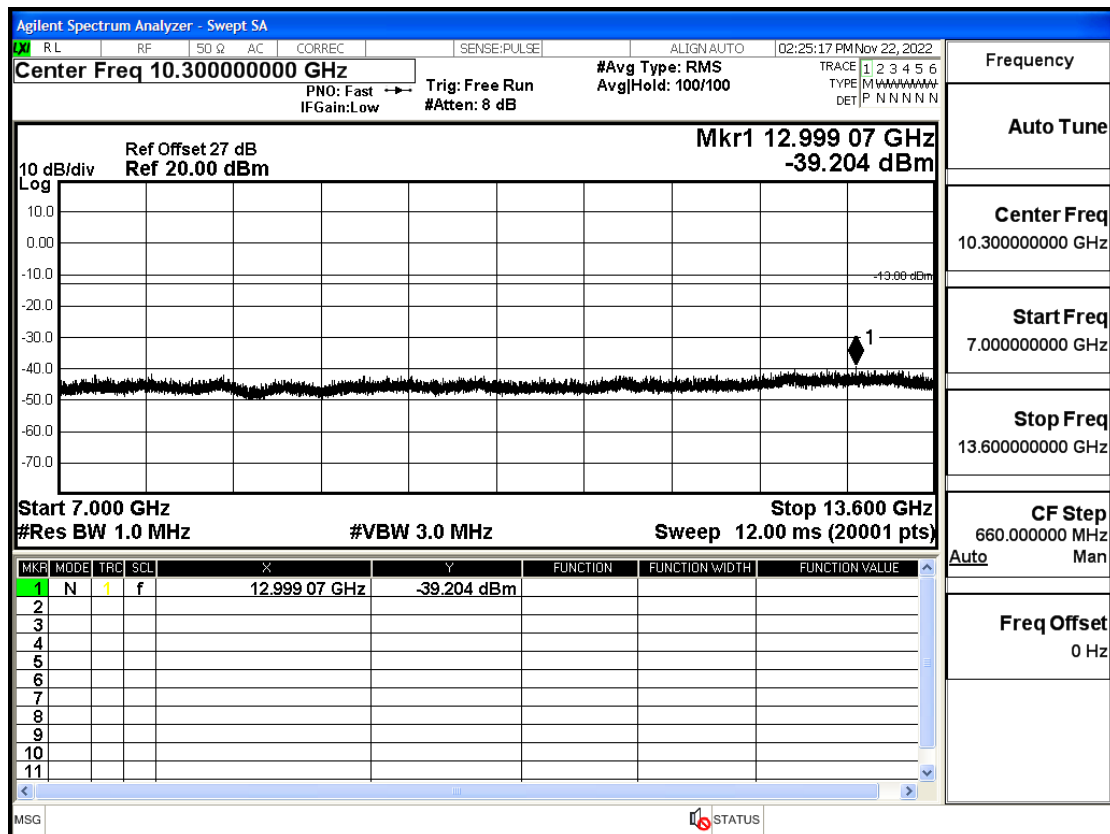
OB2-5-1880-QPSK-25#LOW@30mHz-1GHz@Pass



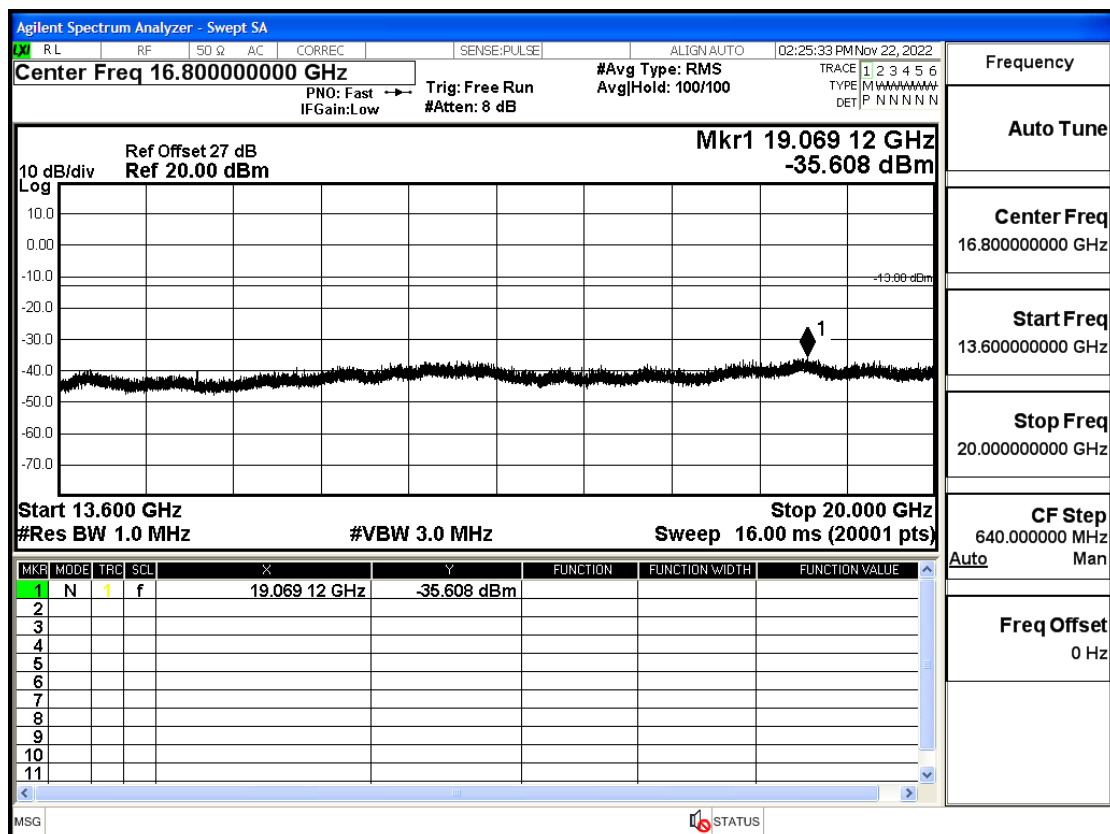
OB2-5-1880-QPSK-25#LOW@1GHz-7GHz@Pass



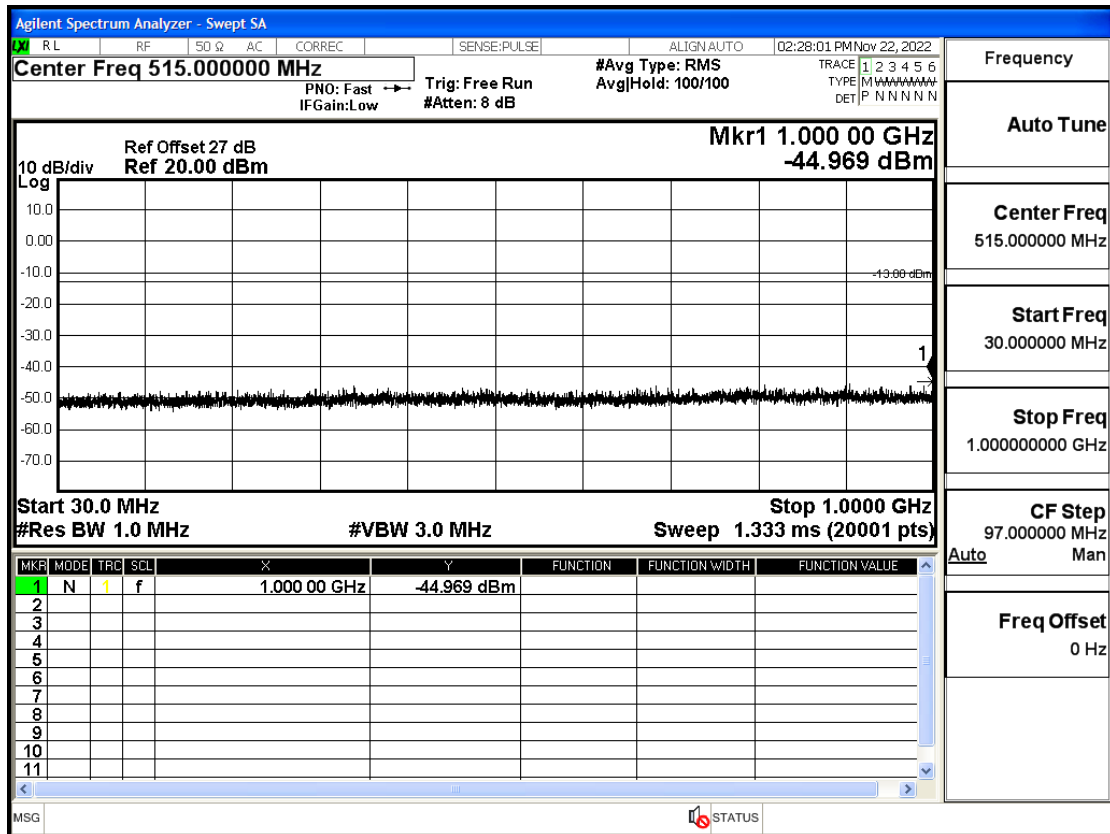
OB2-5-1880-QPSK-25#LOW@7GHz-13.6GHz@Pass



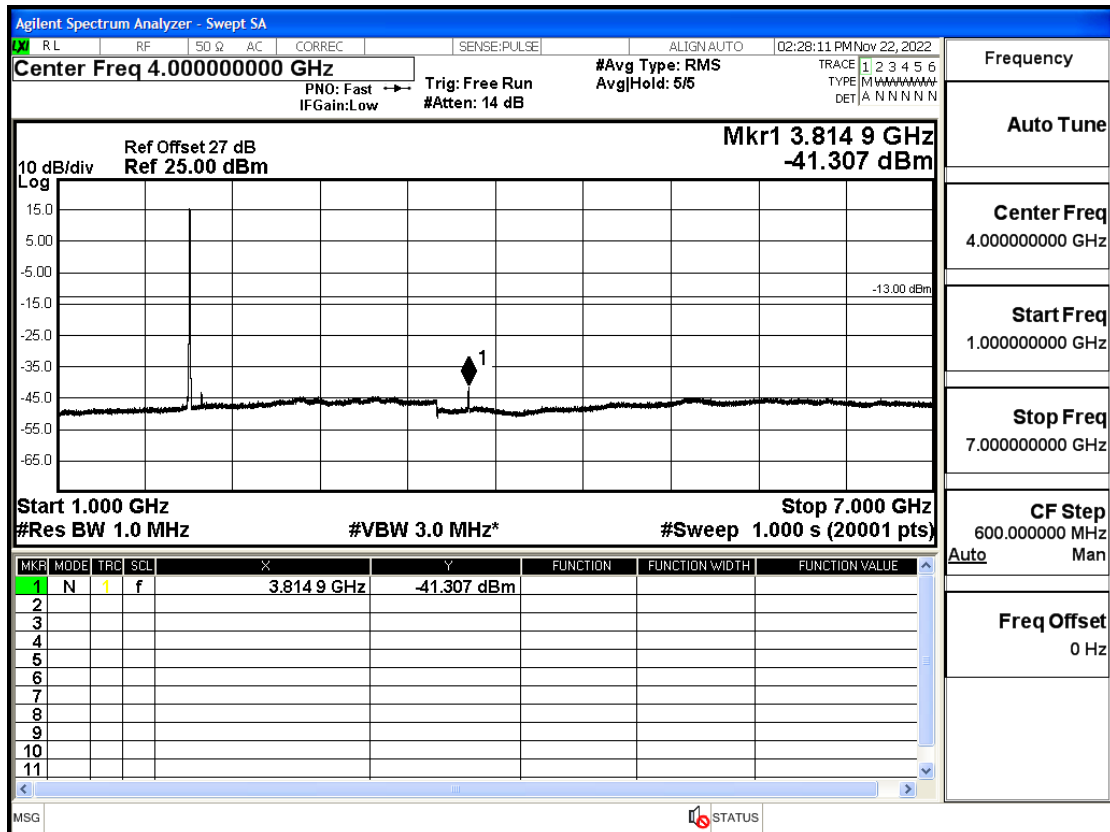
OB2-5-1880-QPSK-25#LOW@13.6GHz-20GHz@Pass



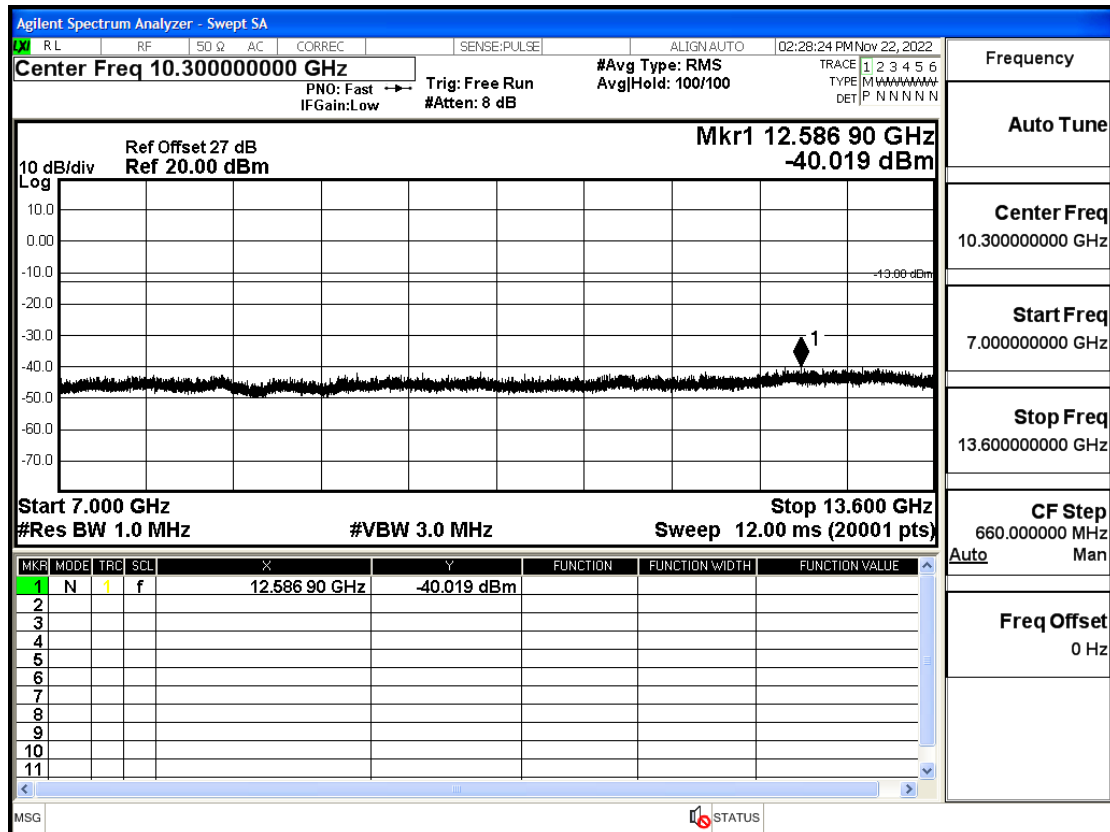
OB2-5-1907.5-QPSK-25#LOW@30mHz-1GHz@Pass



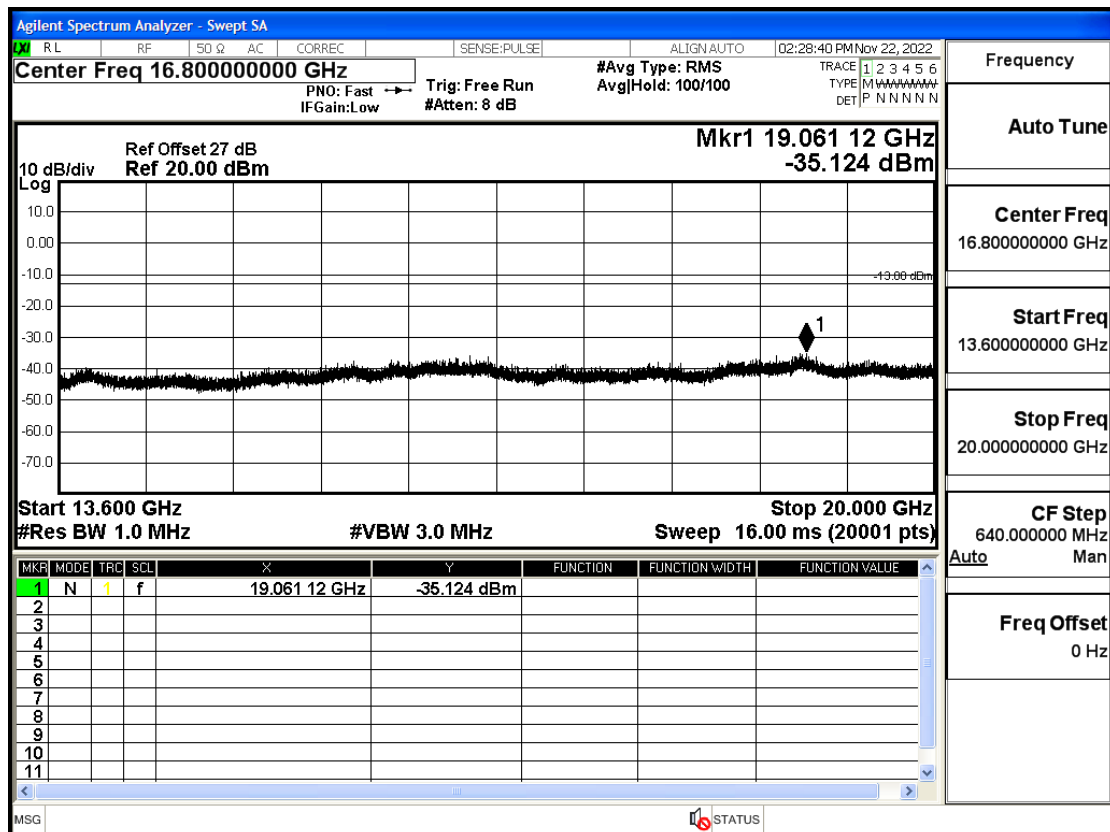
OB2-5-1907.5-QPSK-25#LOW@1GHz-7GHz@Pass



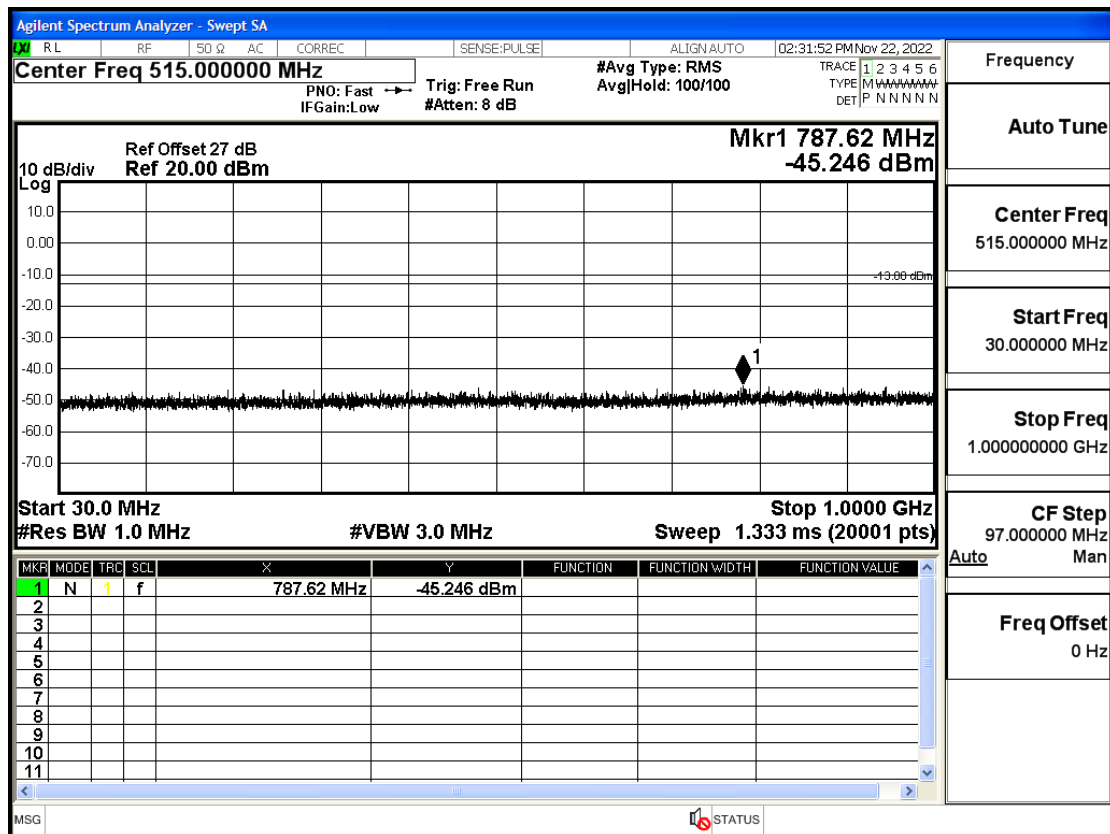
OB2-5-1907.5-QPSK-25#LOW@7GHz-13.6GHz@Pass



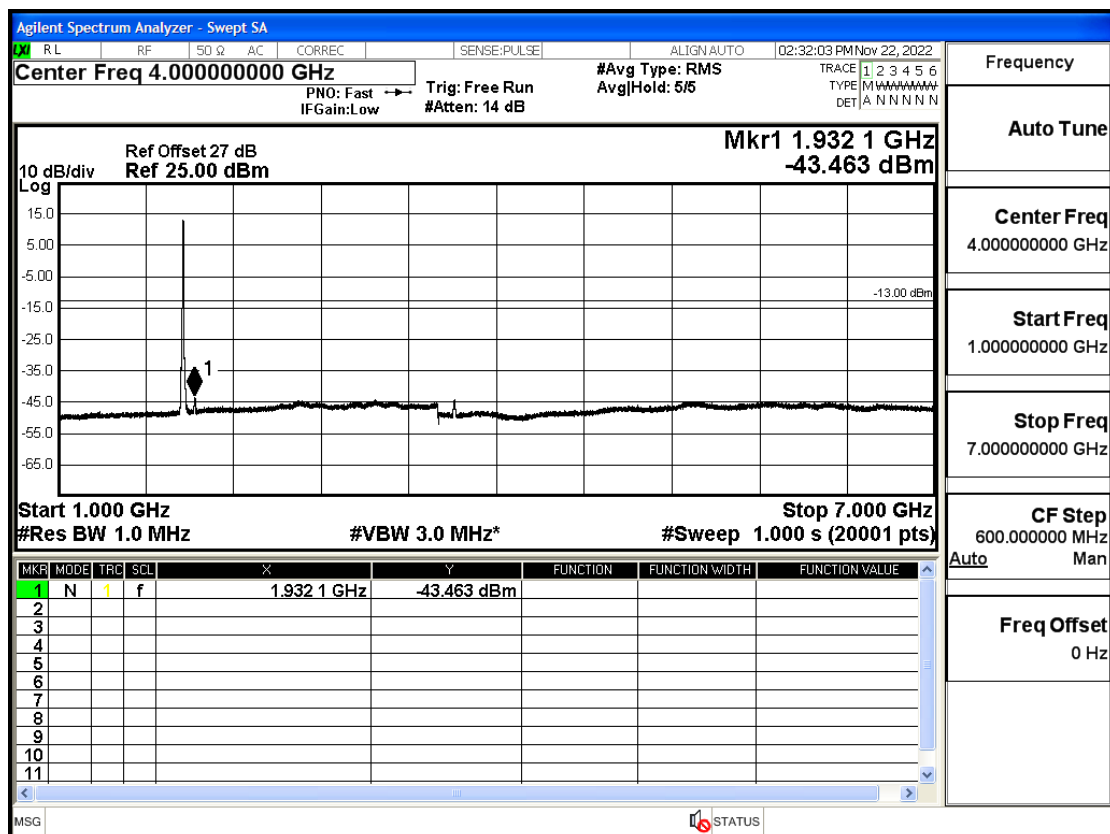
OB2-5-1907.5-QPSK-25#LOW@13.6GHz-20GHz@Pass



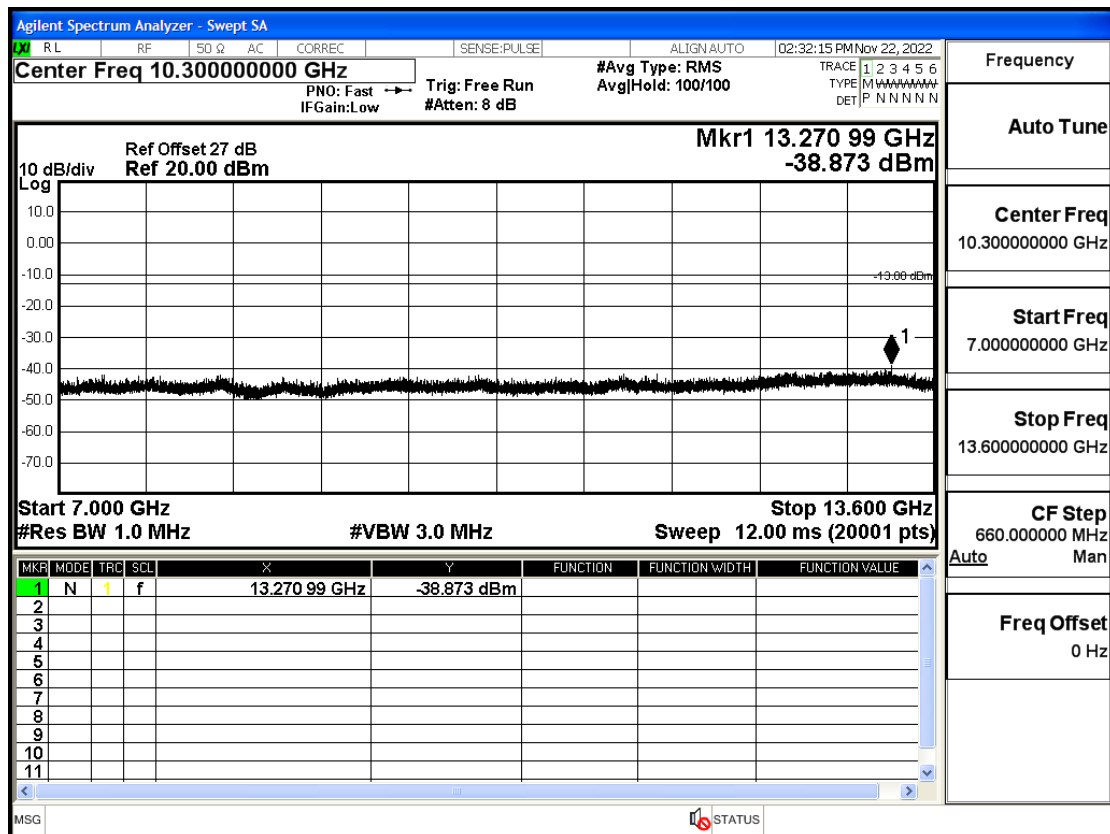
OB2-10-1855-QPSK-50#LOW@30mHz-1GHz@Pass



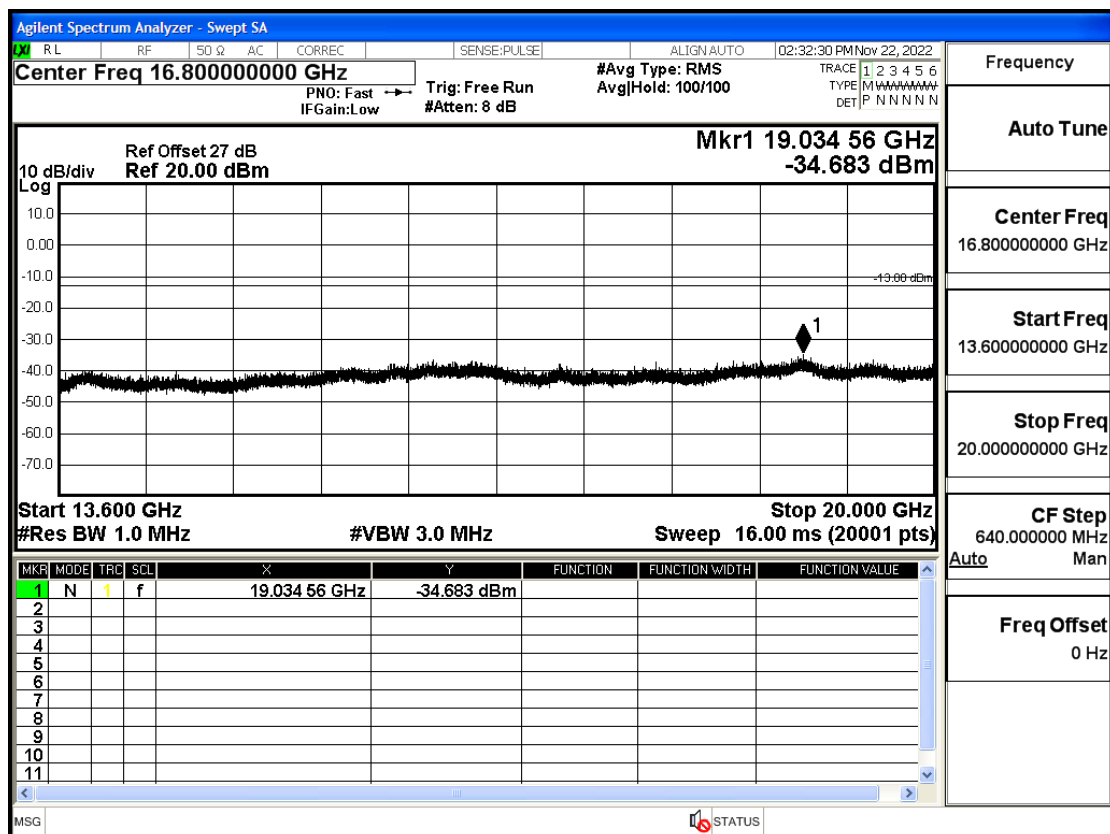
OB2-10-1855-QPSK-50#LOW@1GHz-7GHz@Pass



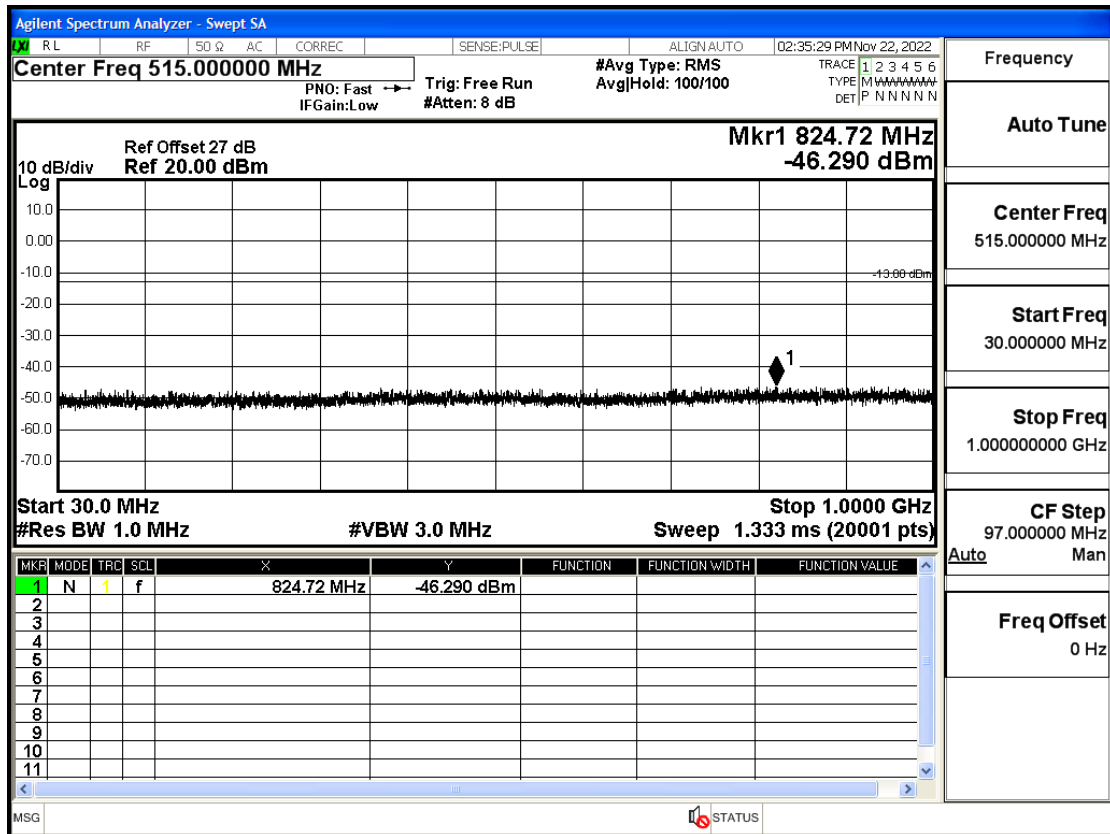
OB2-10-1855-QPSK-50#LOW@7GHz-13.6GHz@Pass



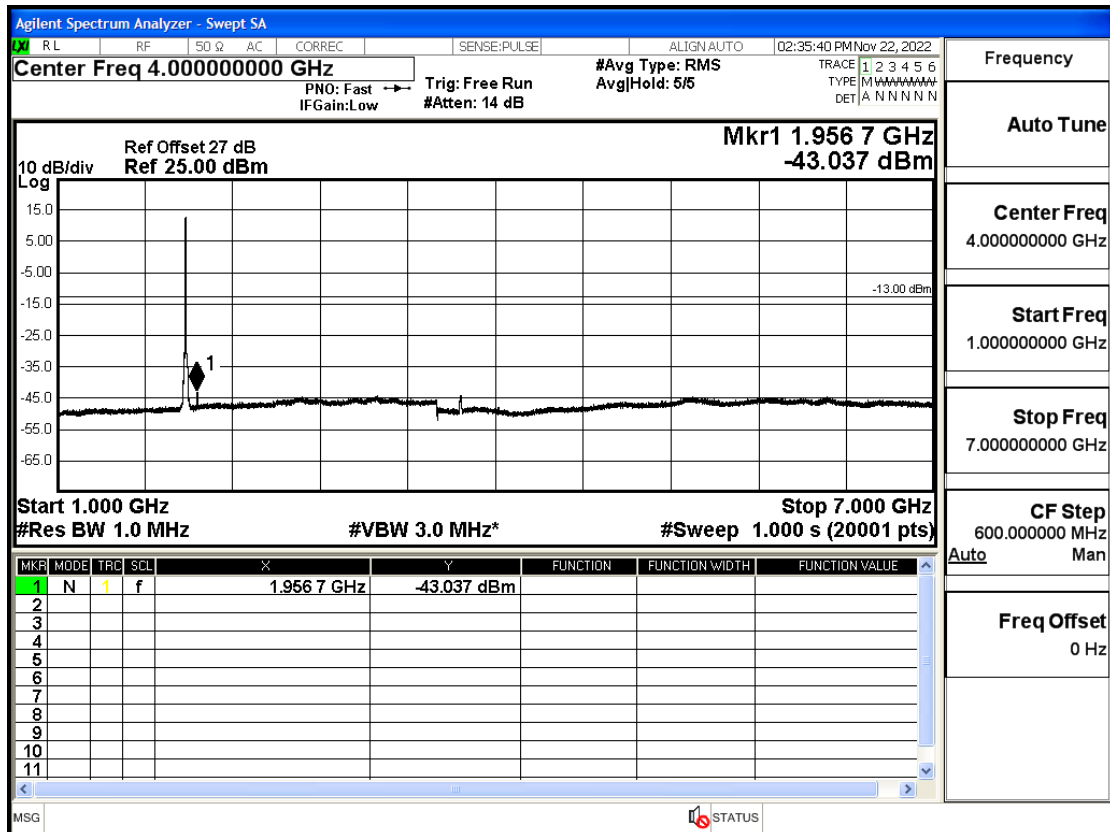
OB2-10-1855-QPSK-50#LOW@13.6GHz-20GHz@Pass



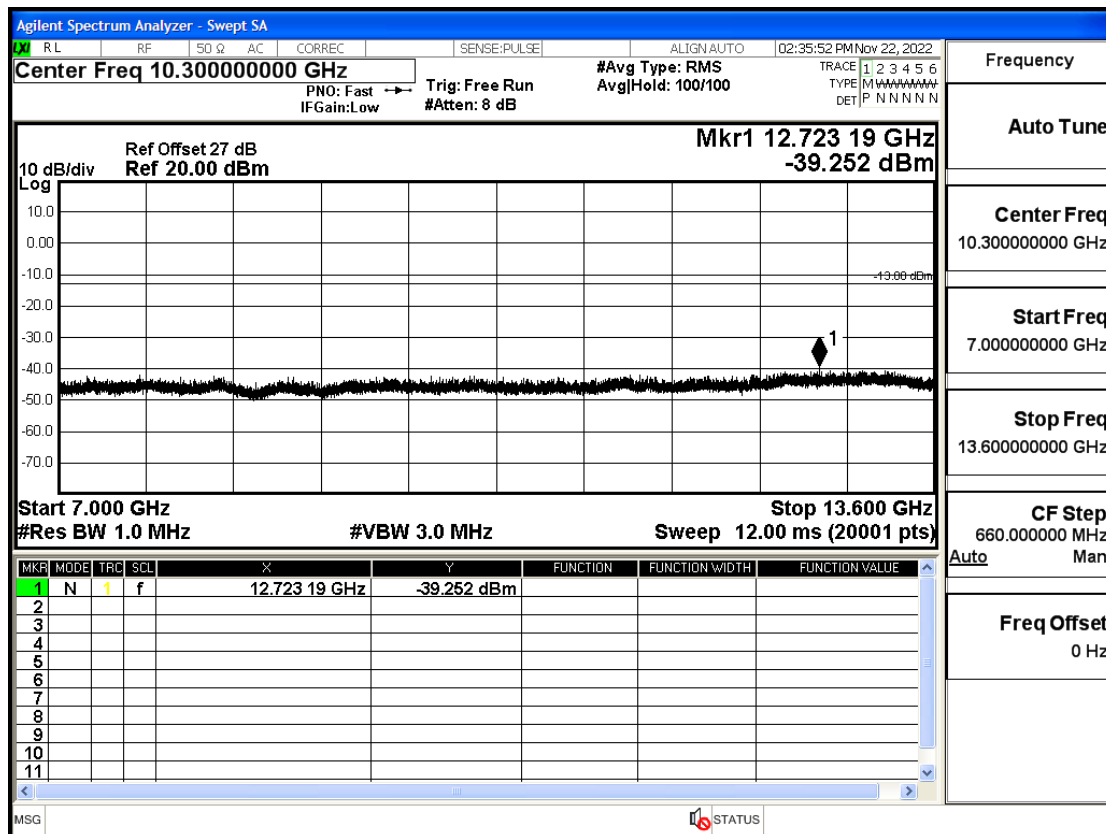
OB2-10-1880-QPSK-50#LOW@30mHz-1GHz@Pass



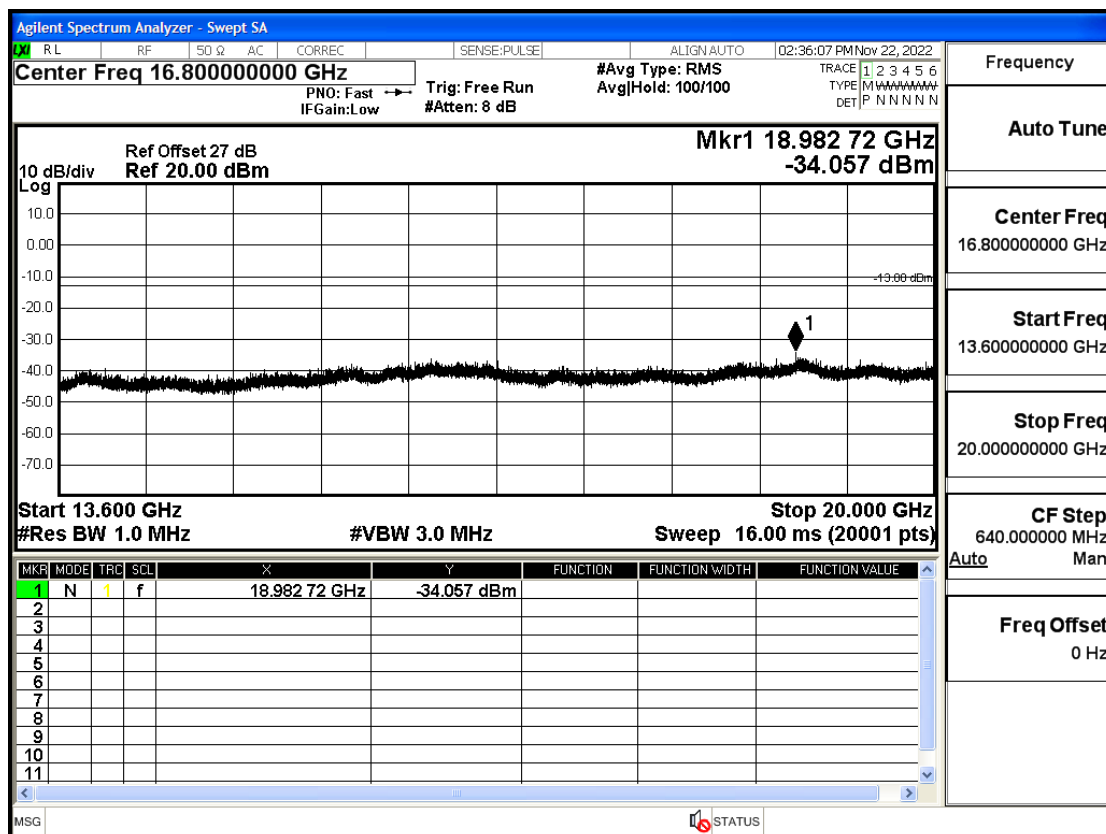
OB2-10-1880-QPSK-50#LOW@1GHz-7GHz@Pass



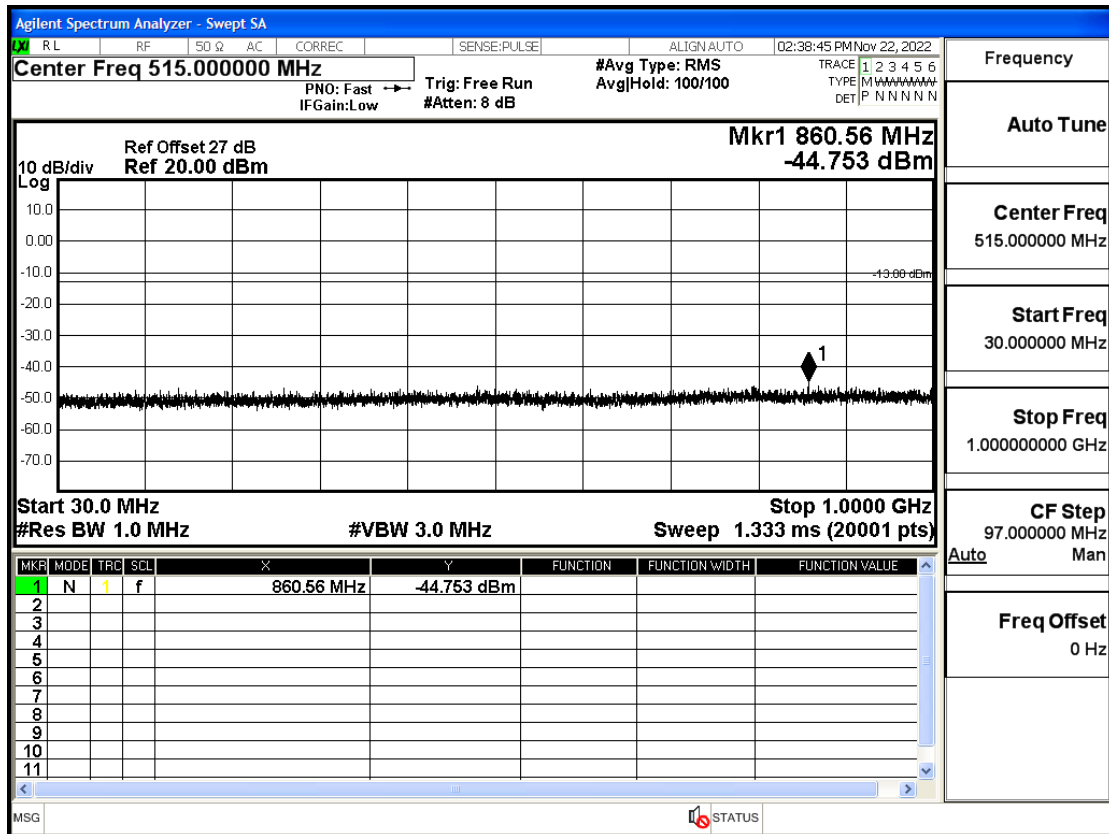
OB2-10-1880-QPSK-50#LOW@7GHz-13.6GHz@Pass



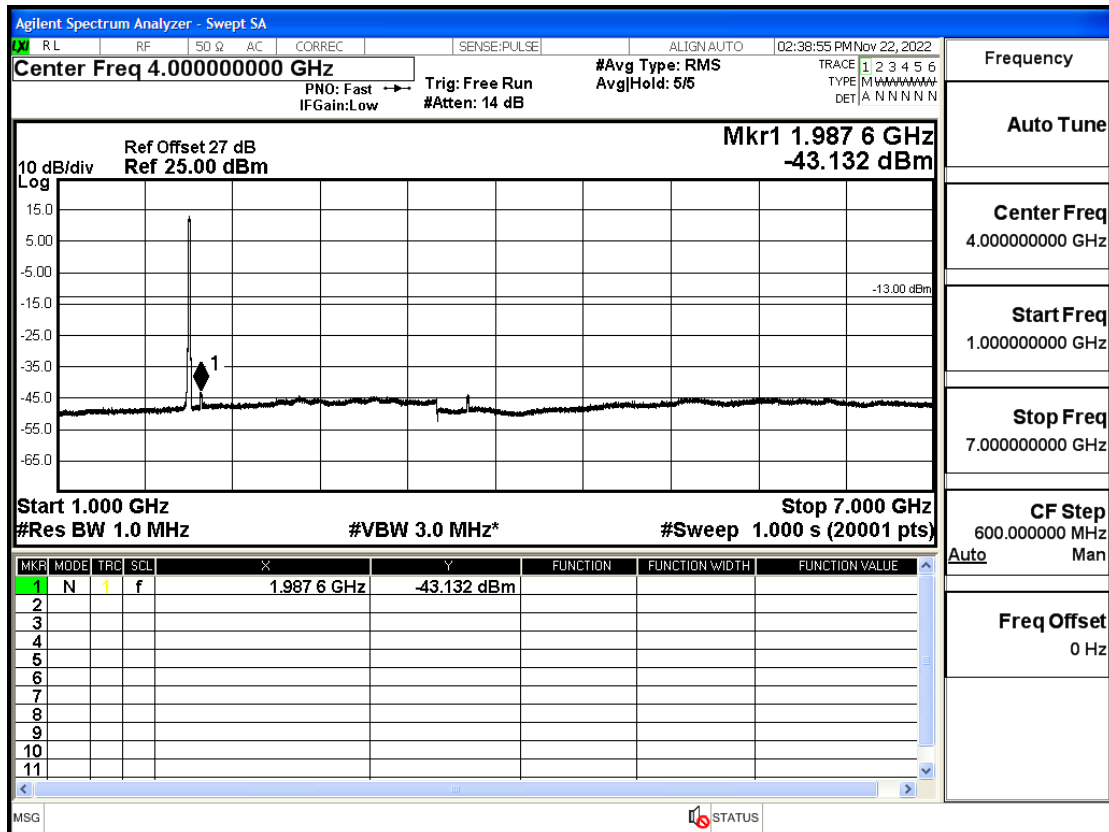
OB2-10-1880-QPSK-50#LOW@13.6GHz-20GHz@Pass



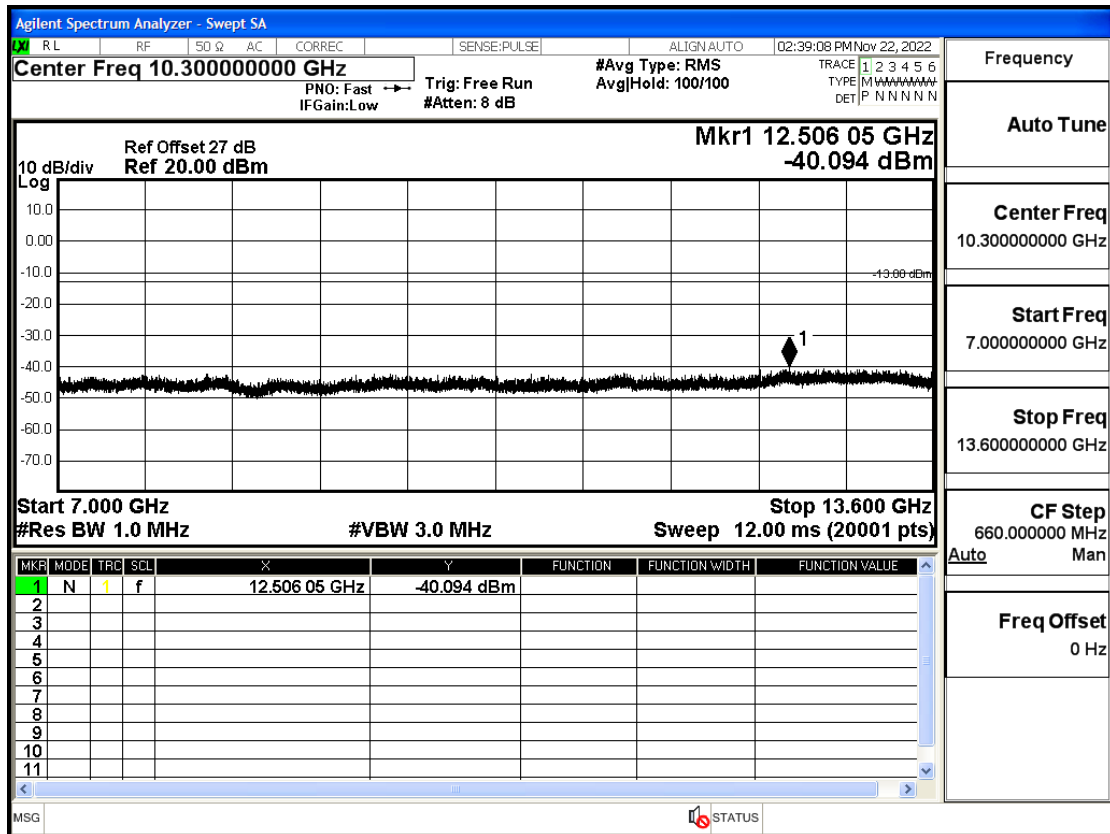
OB2-10-1905-QPSK-50#LOW@30mHz-1GHz@Pass



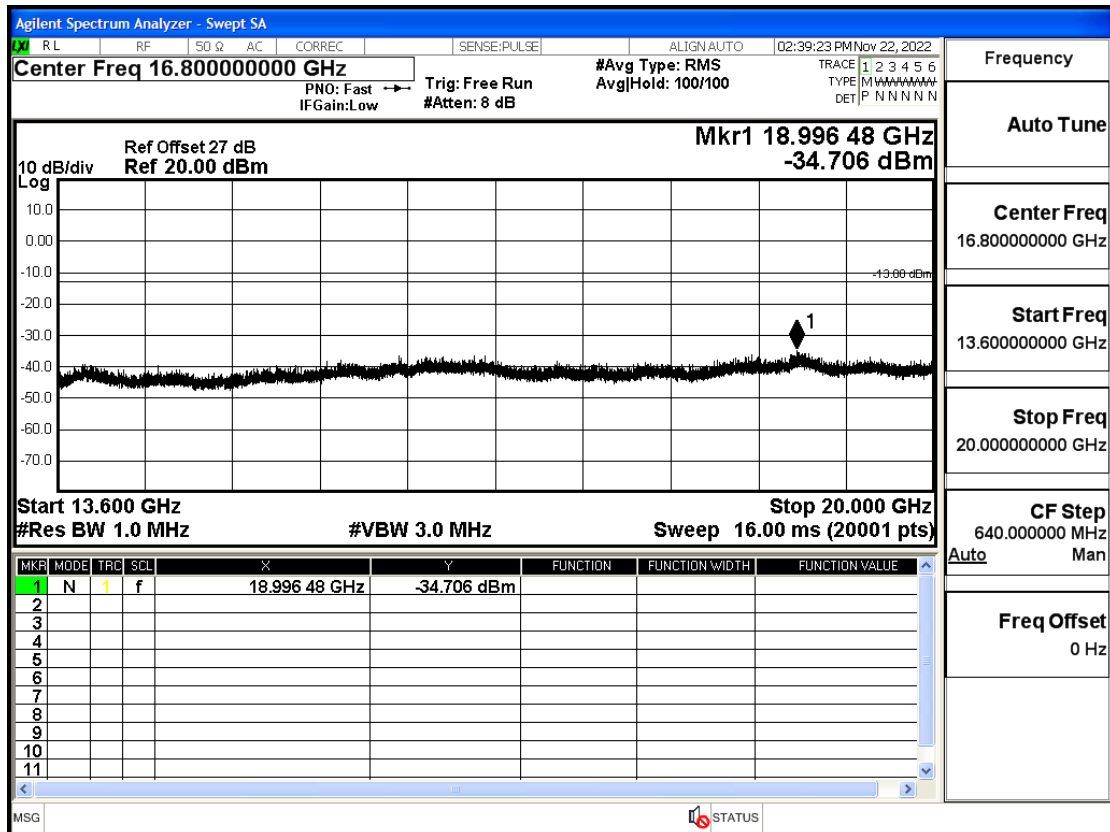
OB2-10-1905-QPSK-50#LOW@1GHz-7GHz@Pass



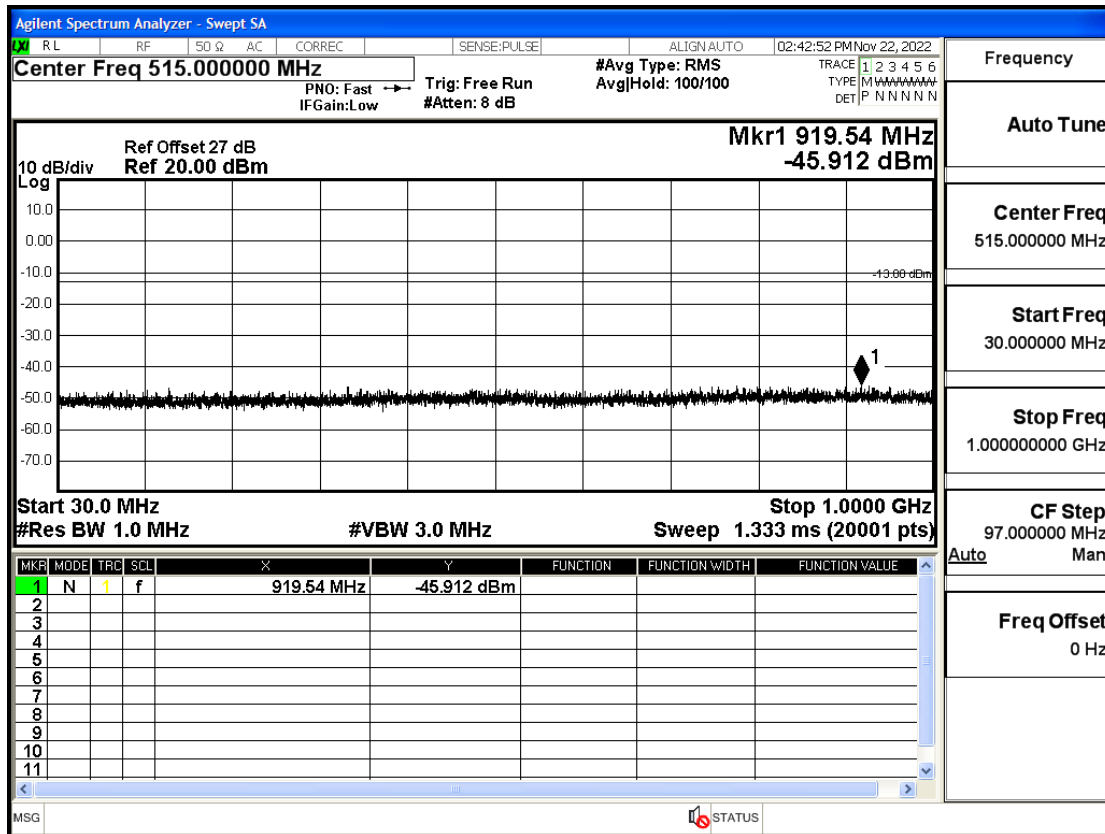
OB2-10-1905-QPSK-50#LOW@7GHz-13.6GHz@Pass



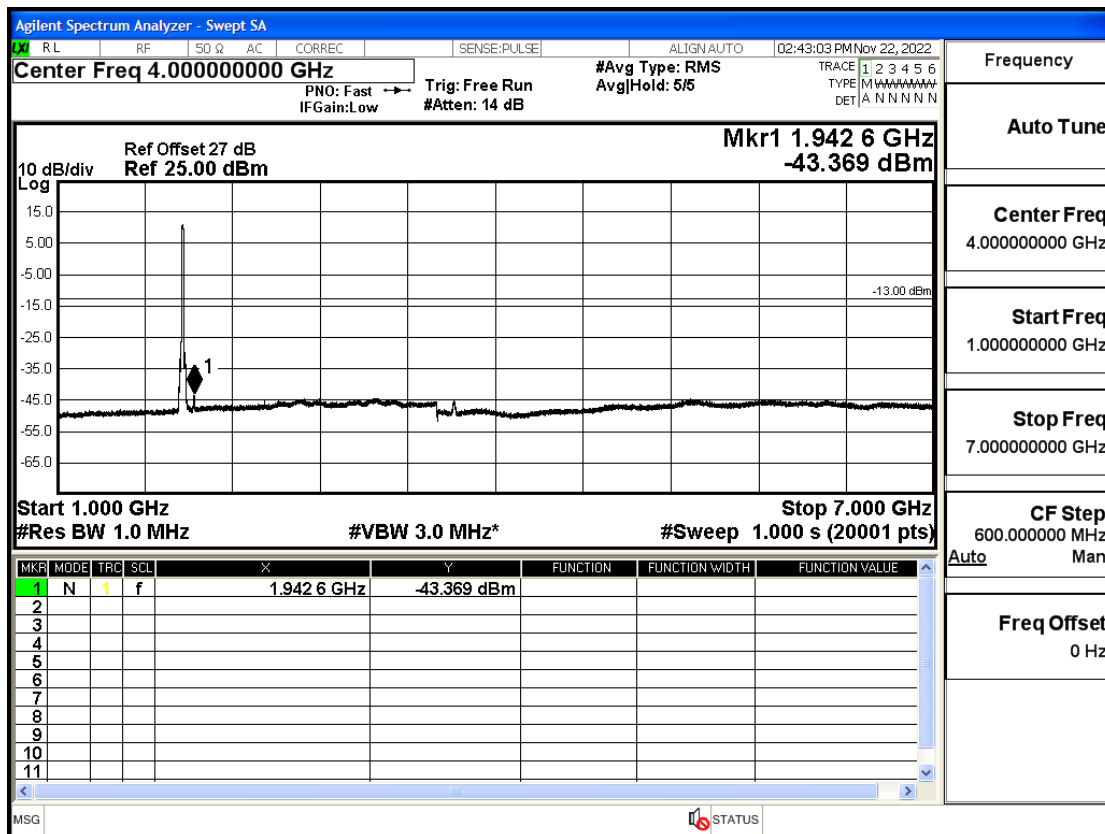
OB2-10-1905-QPSK-50#LOW@13.6GHz-20GHz@Pass



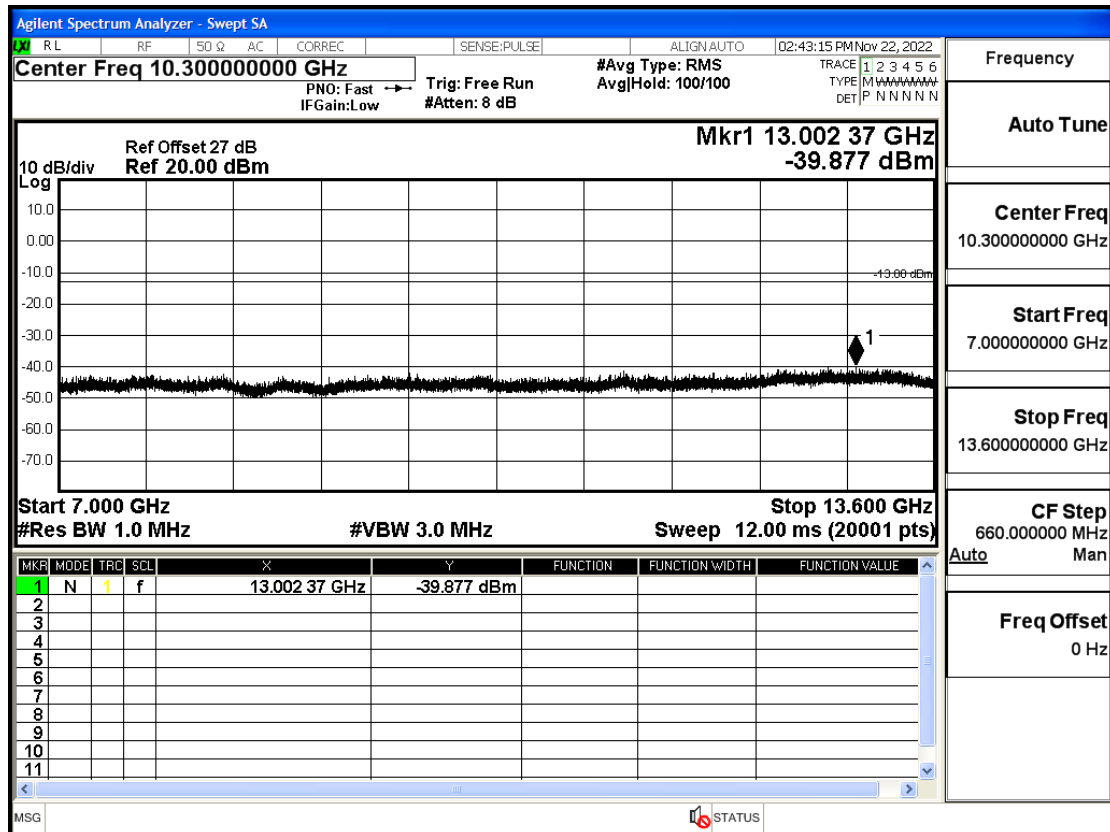
OB2-15-1857.5-QPSK-75#LOW@30mHz-1GHz@Pass



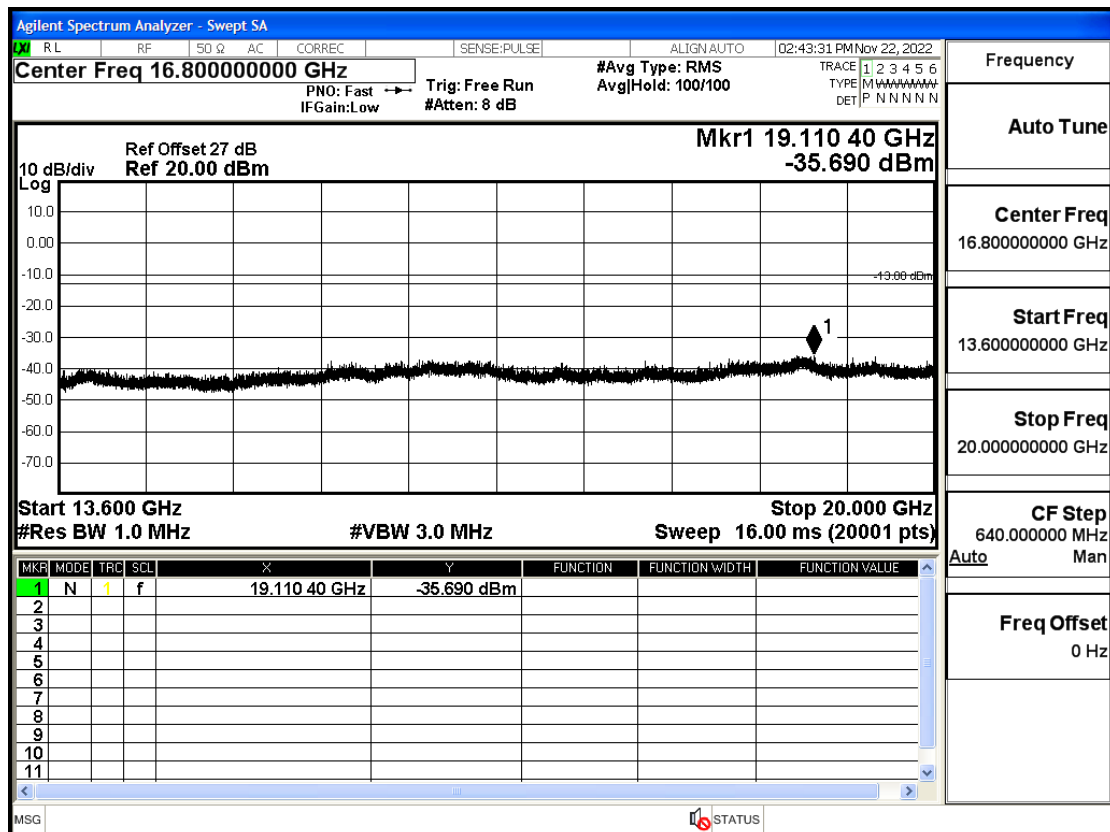
OB2-15-1857.5-QPSK-75#LOW@1GHz-7GHz@Pass



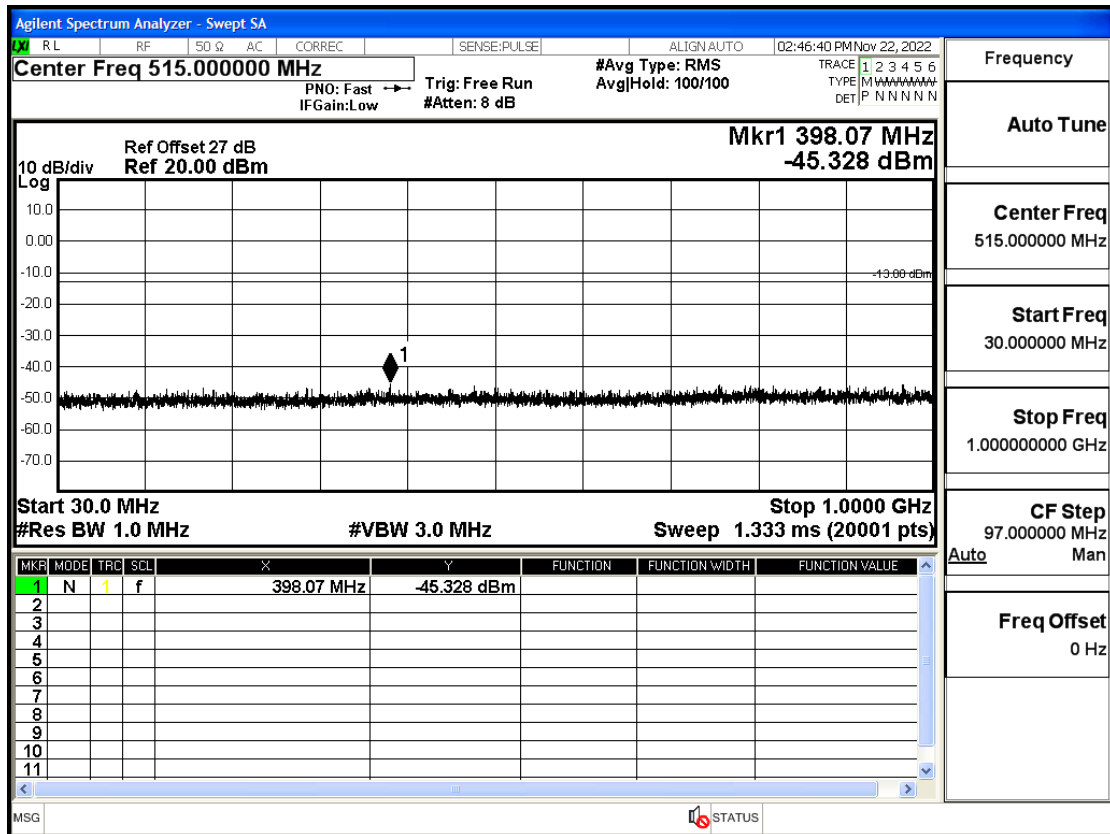
OB2-15-1857.5-QPSK-75#LOW@7GHz-13.6GHz@Pass



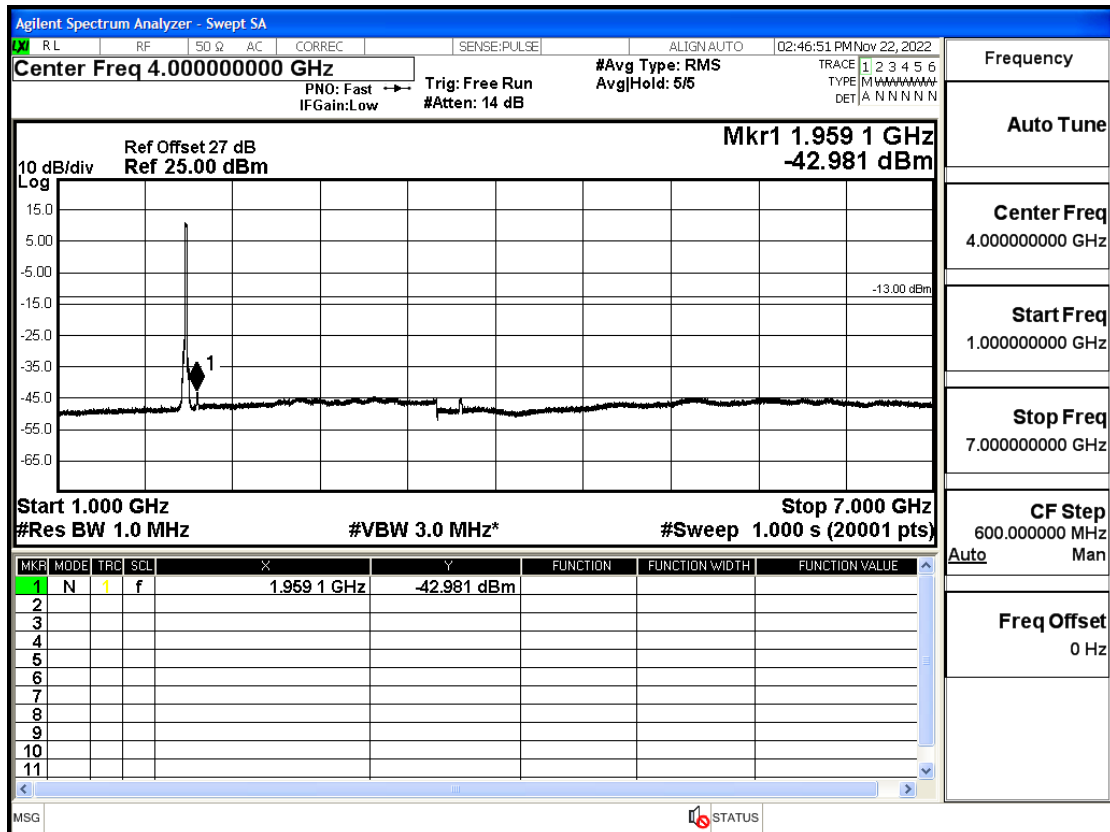
OB2-15-1857.5-QPSK-75#LOW@13.6GHz-20GHz@Pass



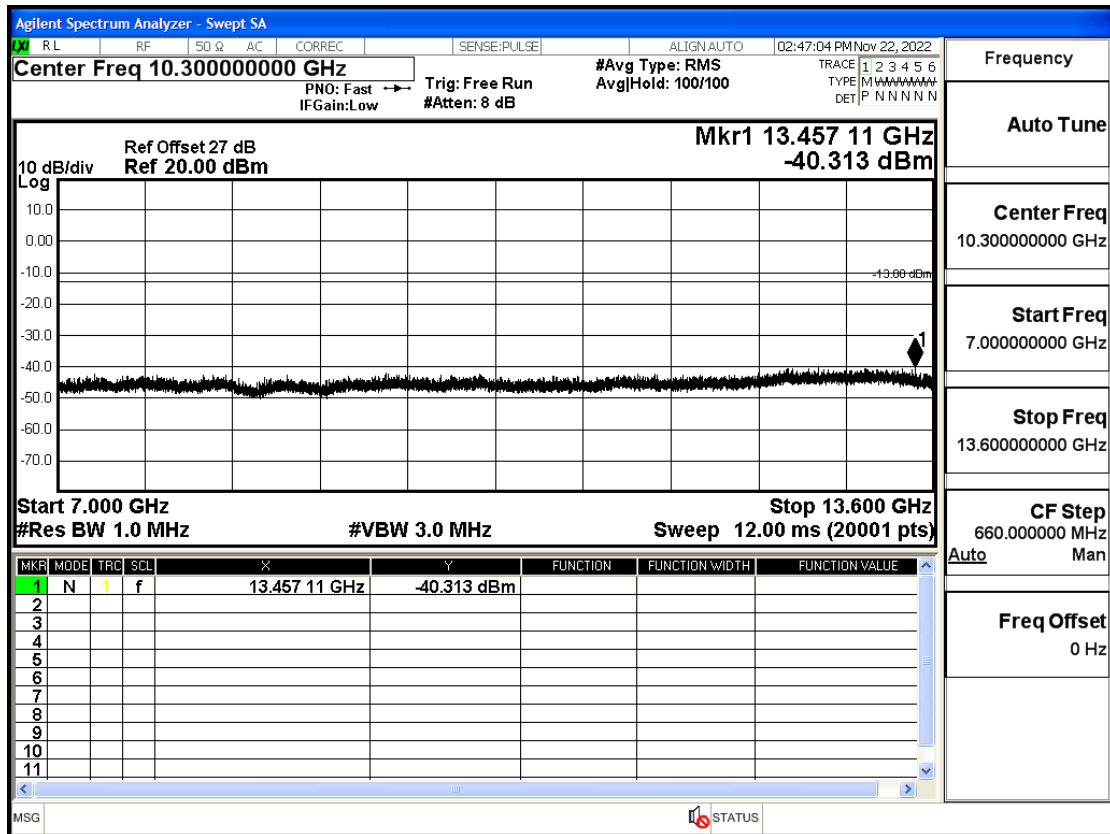
OB2-15-1880-QPSK-75#LOW@30mHz-1GHz@Pass



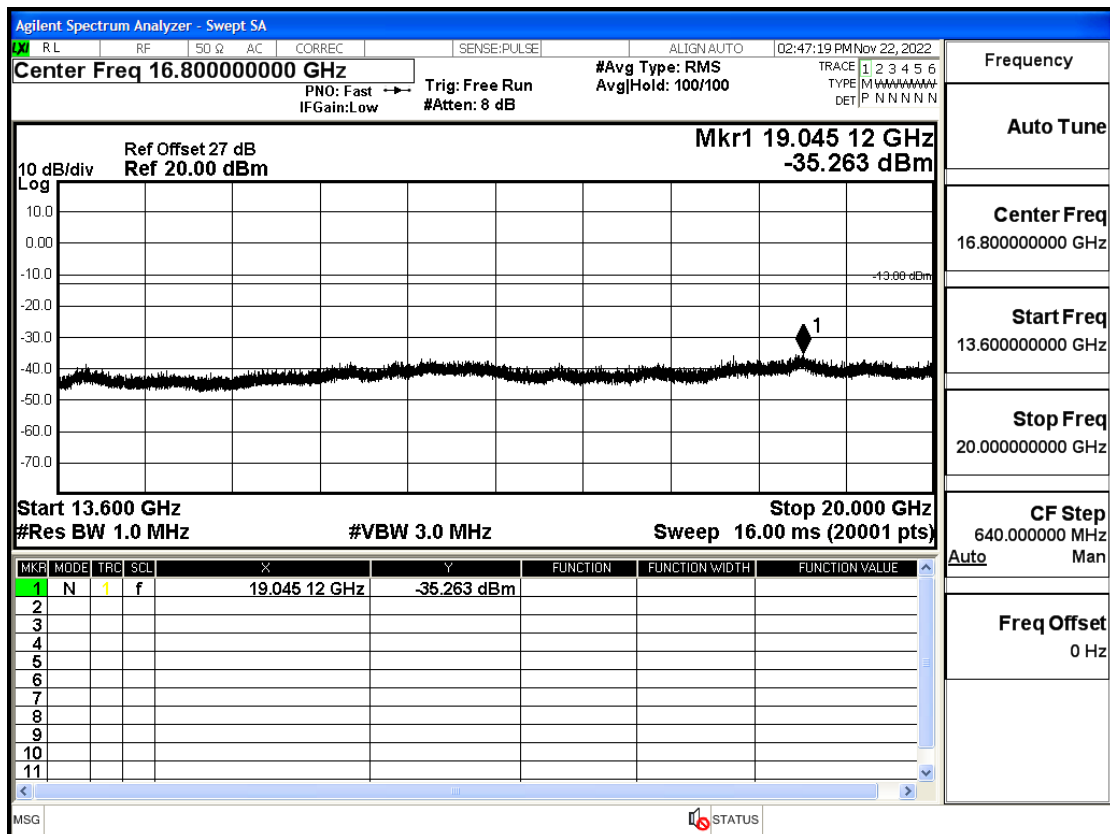
OB2-15-1880-QPSK-75#LOW@1GHz-7GHz@Pass



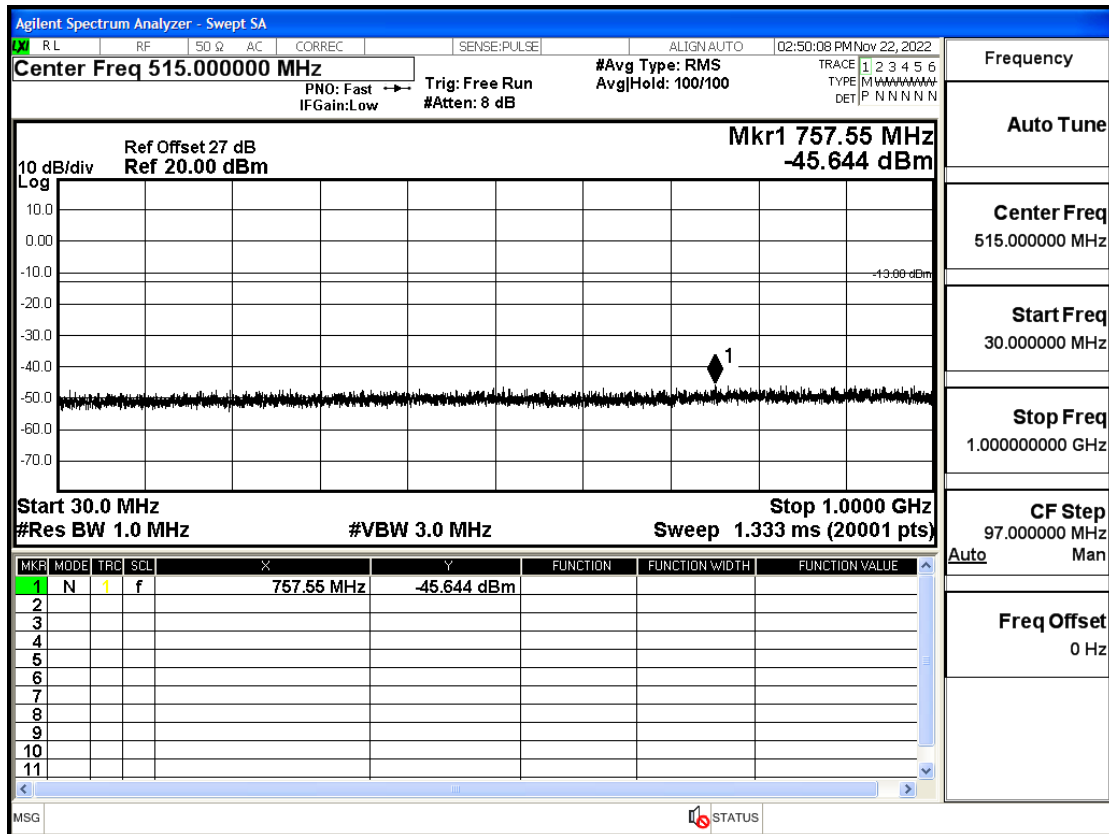
OB2-15-1880-QPSK-75#LOW@7GHz-13.6GHz@Pass



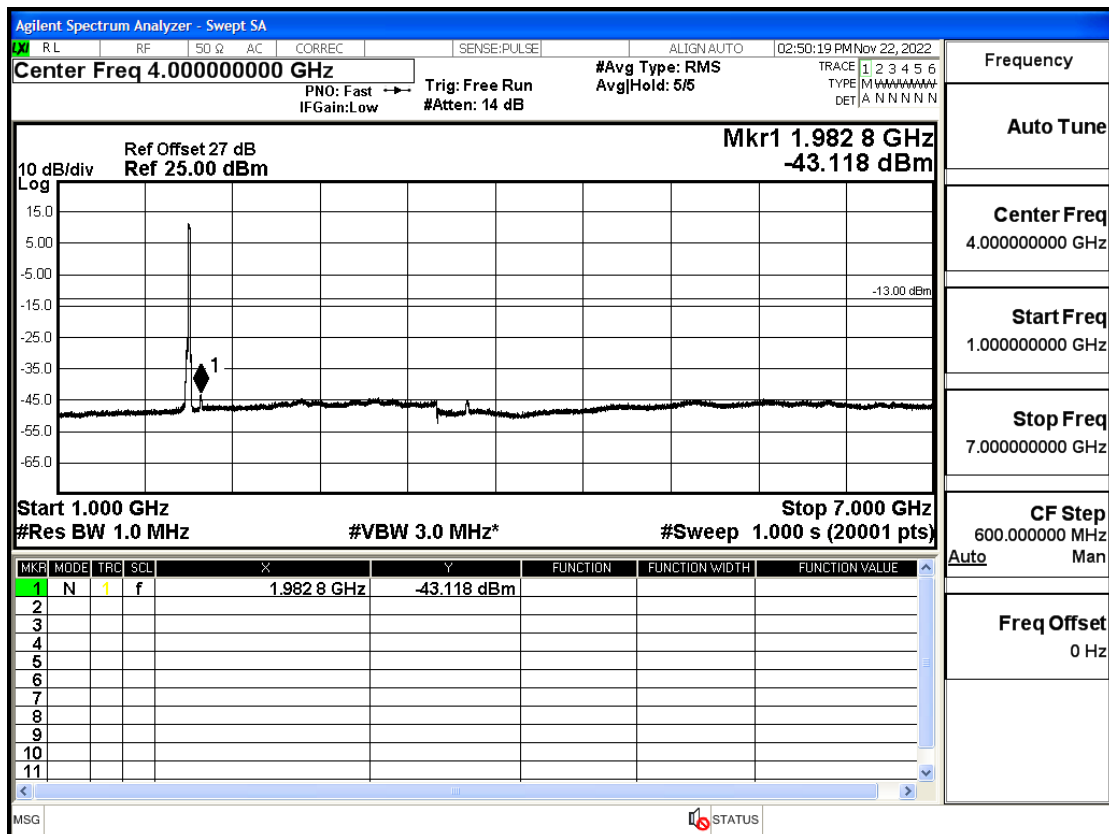
OB2-15-1880-QPSK-75#LOW@13.6GHz-20GHz@Pass



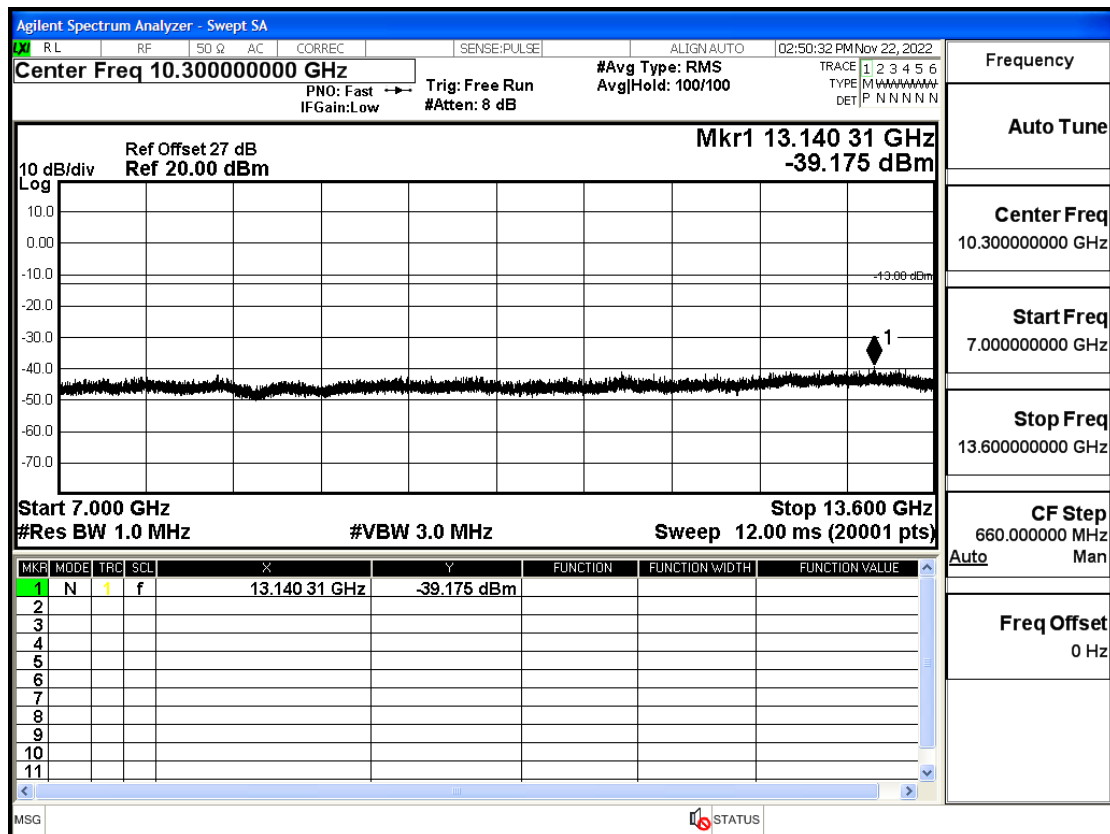
OB2-15-1902.5-QPSK-75#LOW@30mHz-1GHz@Pass



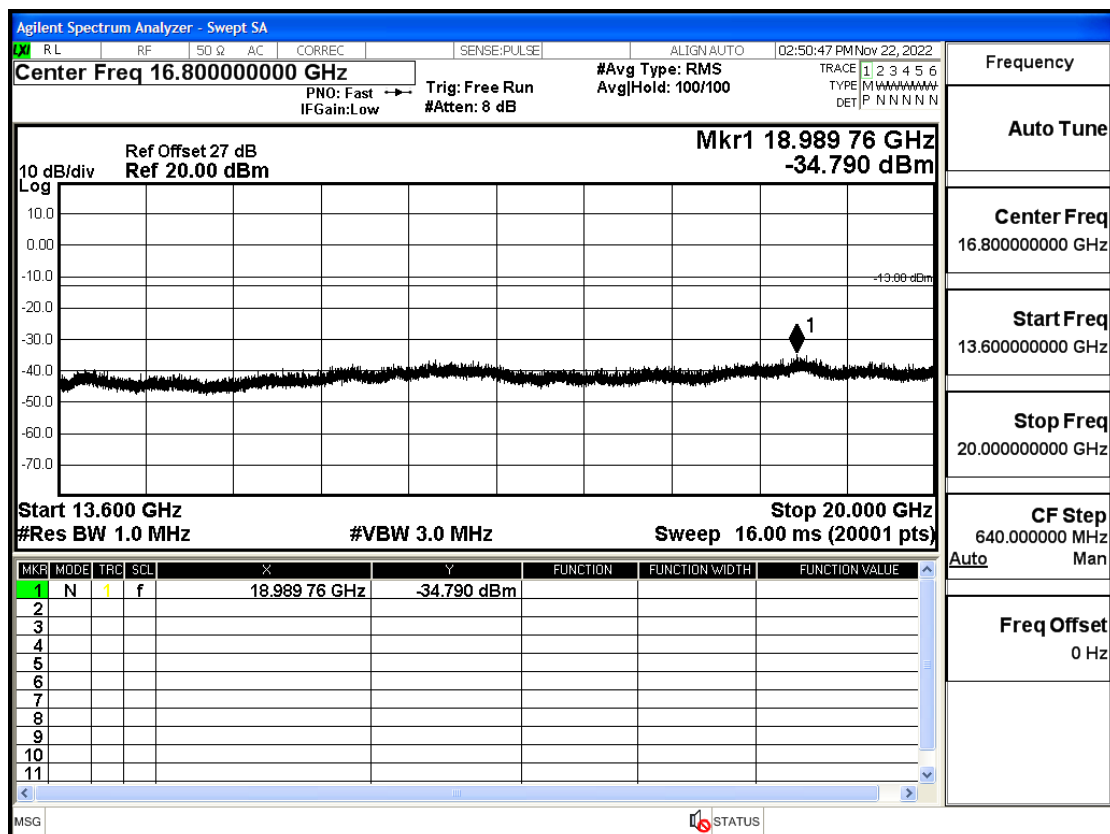
OB2-15-1902.5-QPSK-75#LOW@1GHz-7GHz@Pass



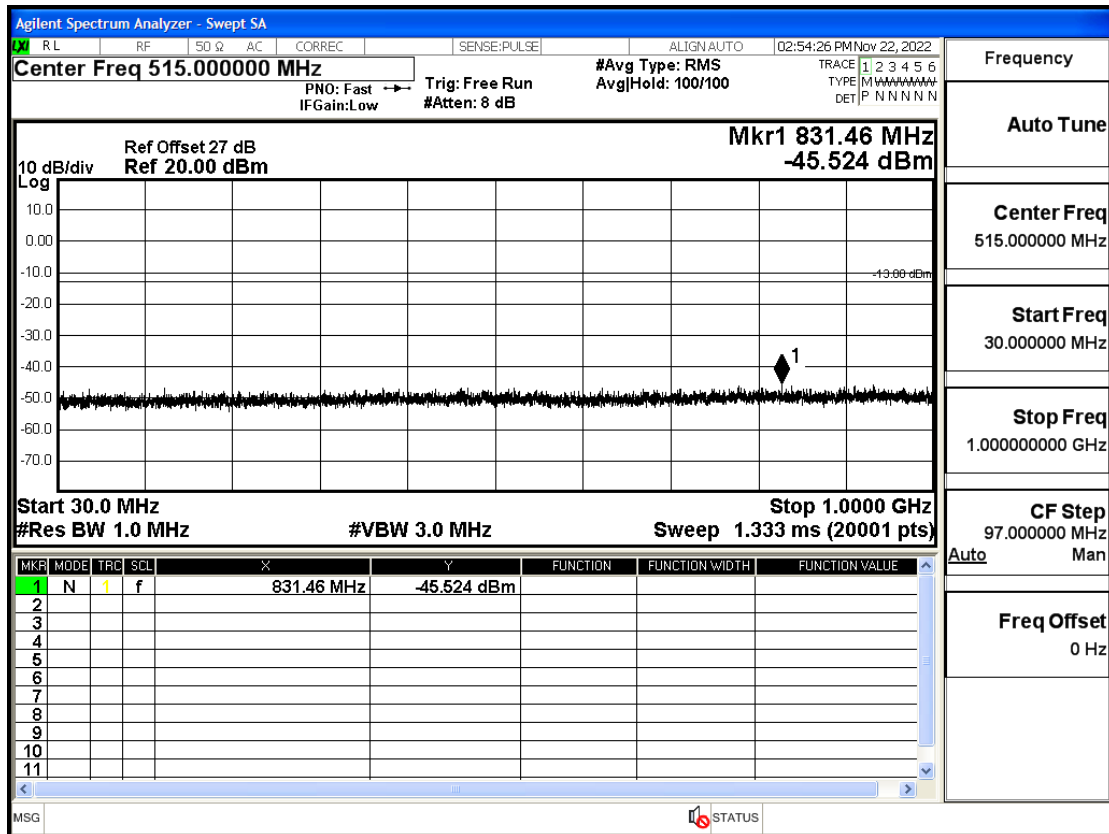
OB2-15-1902.5-QPSK-75#LOW@7GHz-13.6GHz@Pass



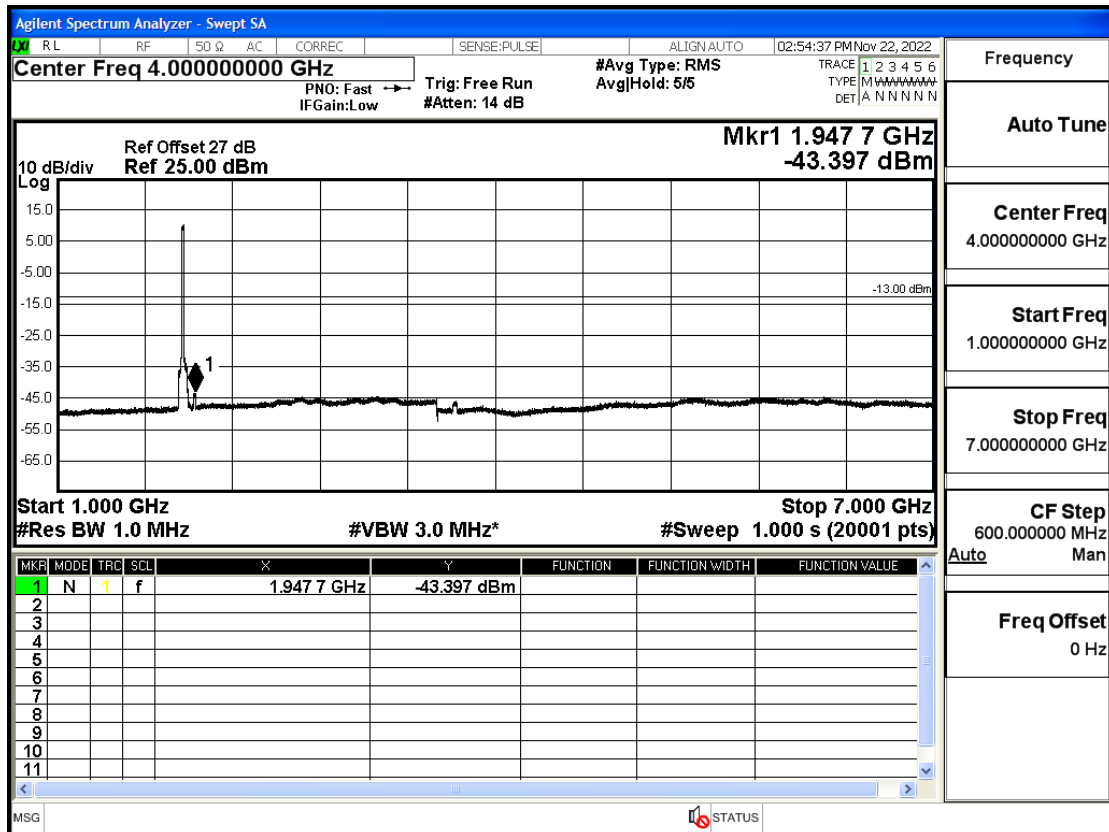
OB2-15-1902.5-QPSK-75#LOW@13.6GHz-20GHz@Pass



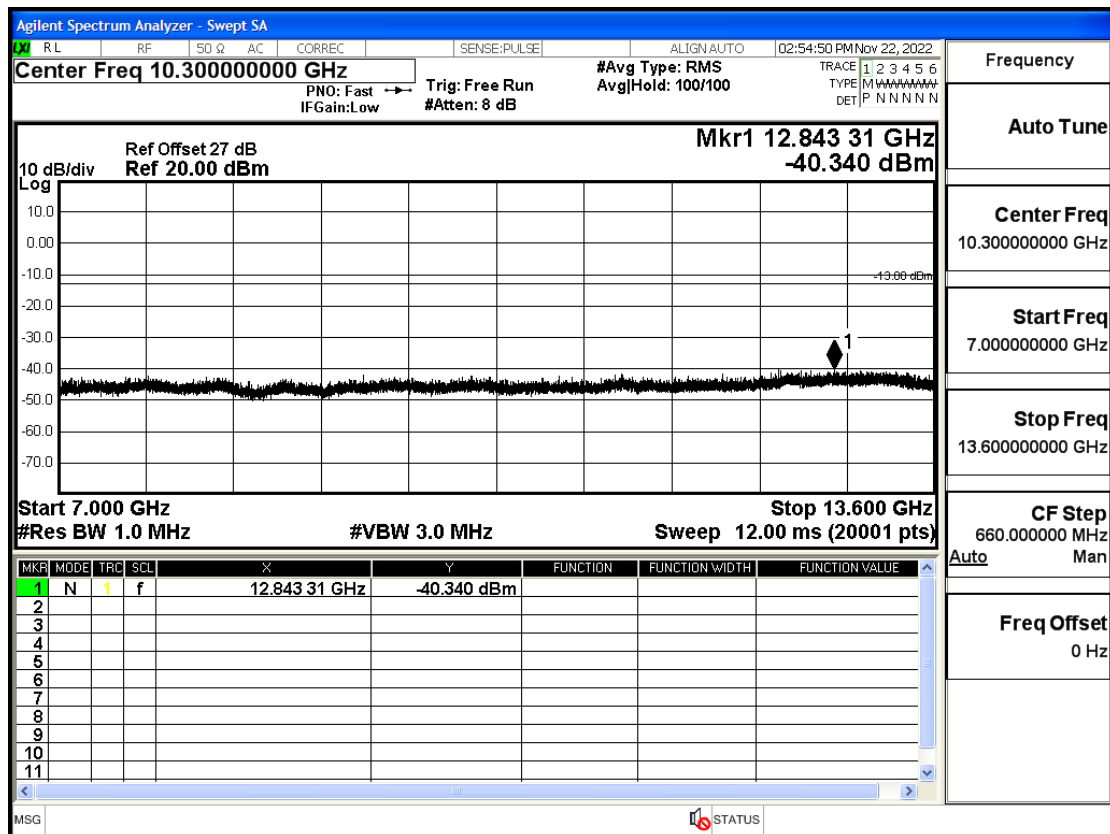
OB2-20-1860-QPSK-100#LOW@30mHz-1GHz@Pass



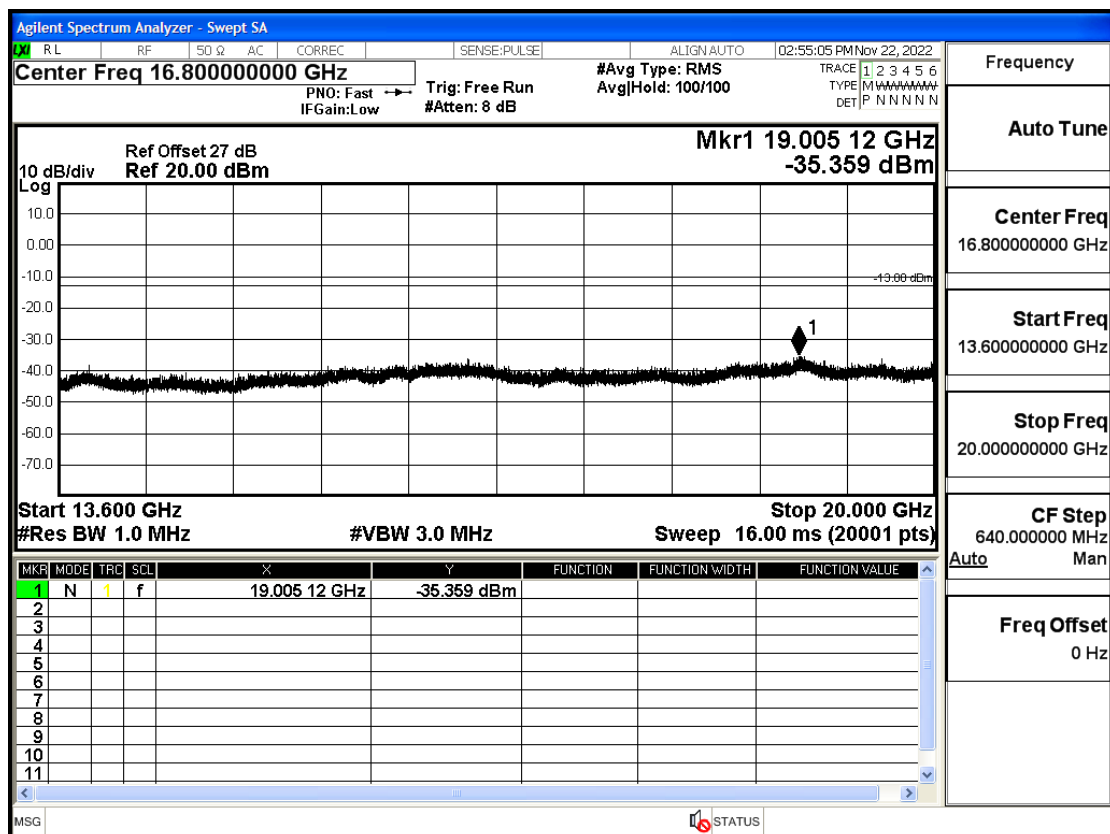
OB2-20-1860-QPSK-100#LOW@1GHz-7GHz@Pass



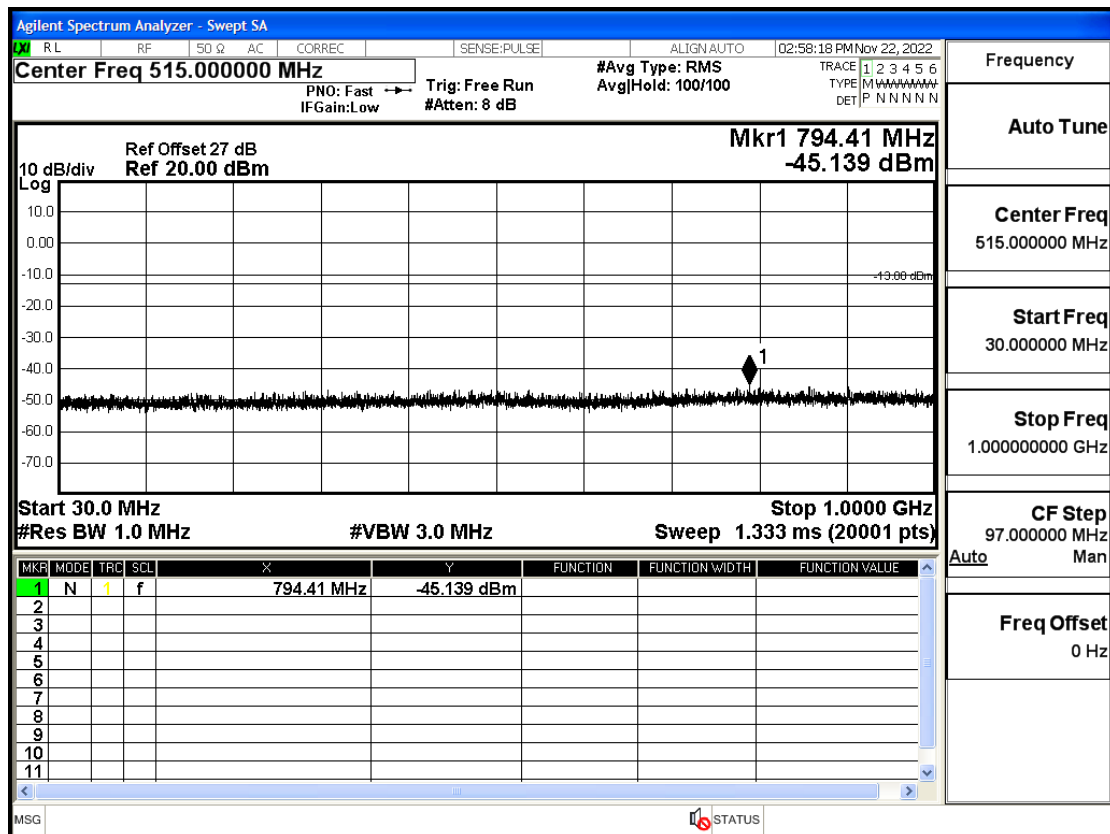
OB2-20-1860-QPSK-100#LOW@7GHz-13.6GHz@Pass



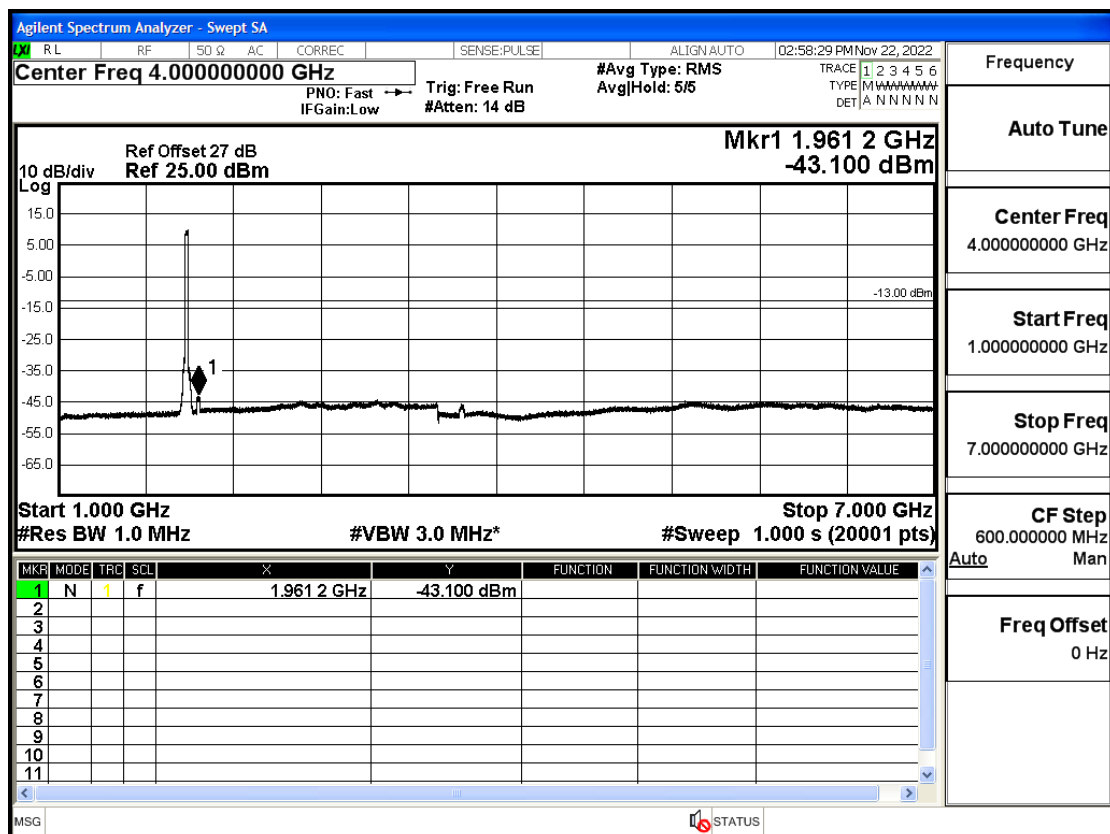
OB2-20-1860-QPSK-100#LOW@13.6GHz-20GHz@Pass



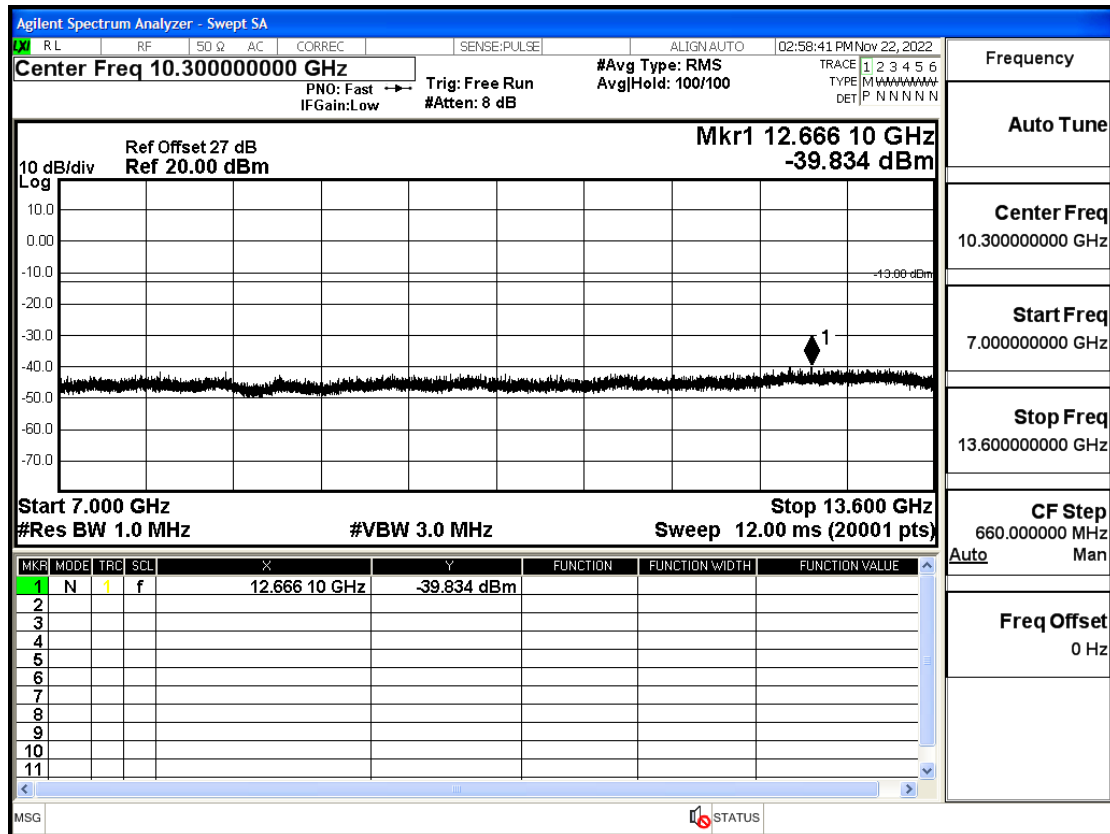
OB2-20-1880-QPSK-100#LOW@30mHz-1GHz@Pass



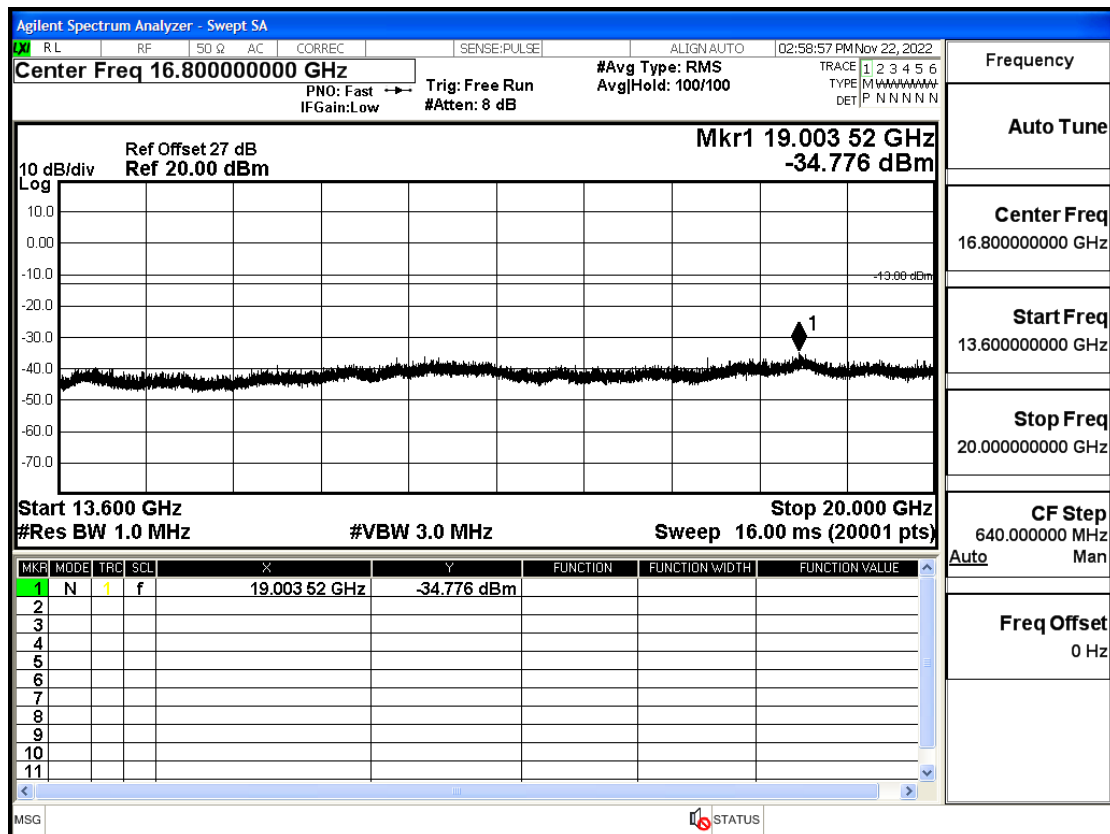
OB2-20-1880-QPSK-100#LOW@1GHz-7GHz@Pass



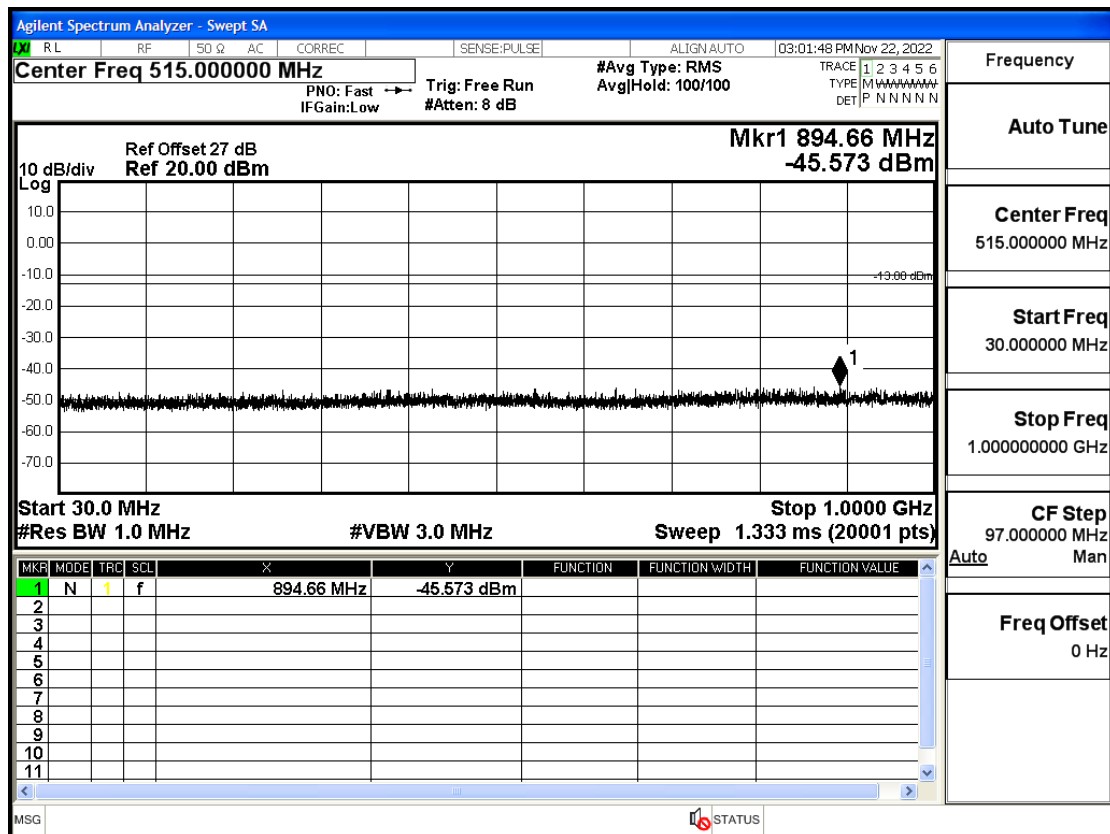
OB2-20-1880-QPSK-100#LOW@7GHz-13.6GHz@Pass



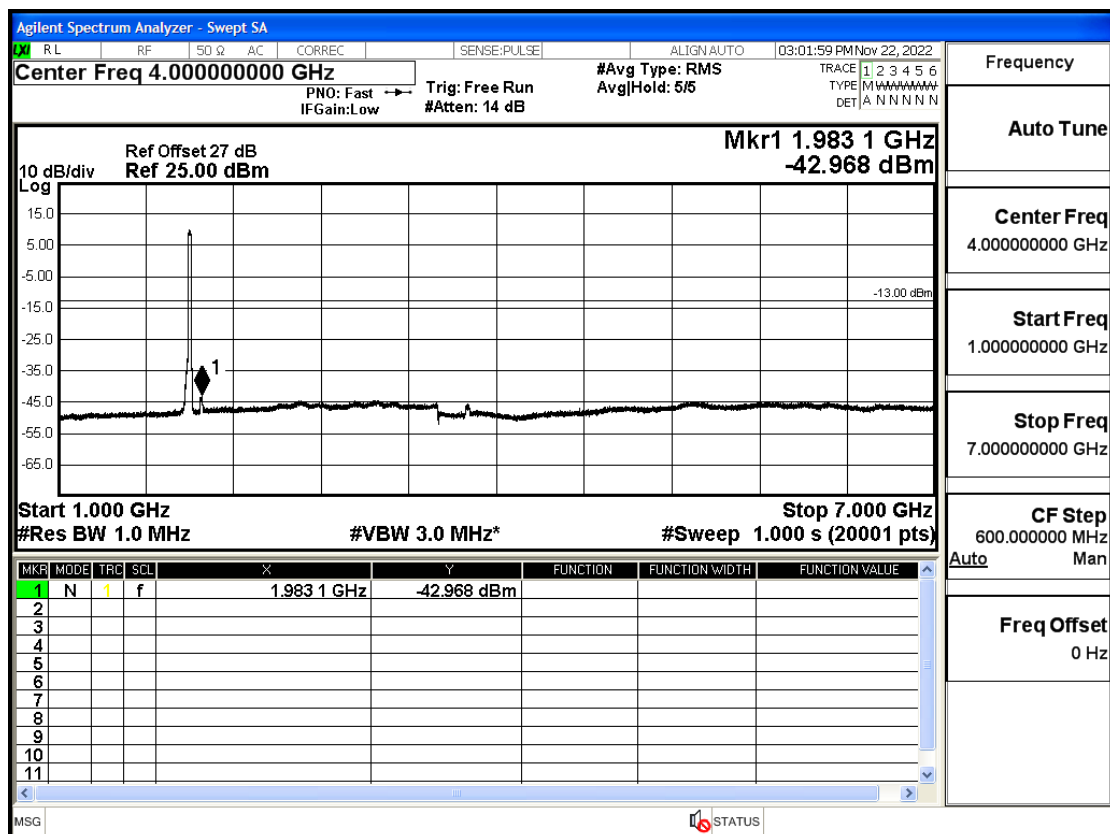
OB2-20-1880-QPSK-100#LOW@13.6GHz-20GHz@Pass



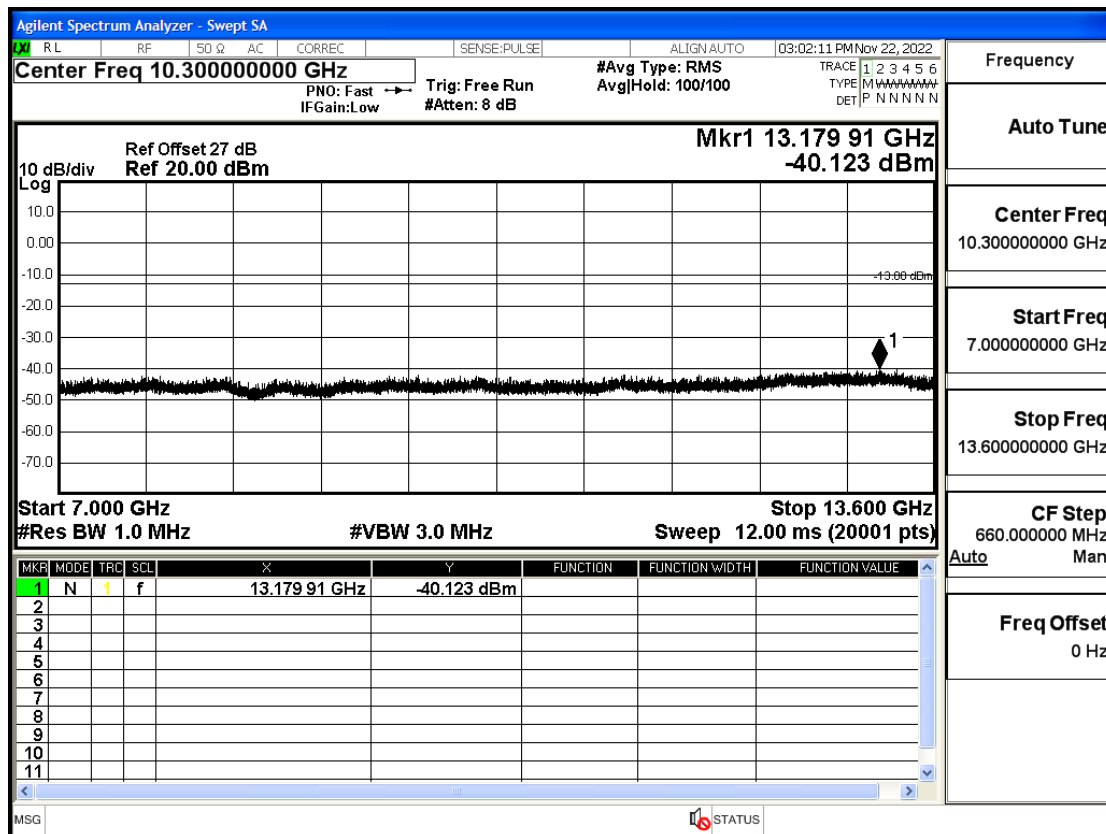
OB2-20-1900-QPSK-100#LOW@30mHz-1GHz@Pass



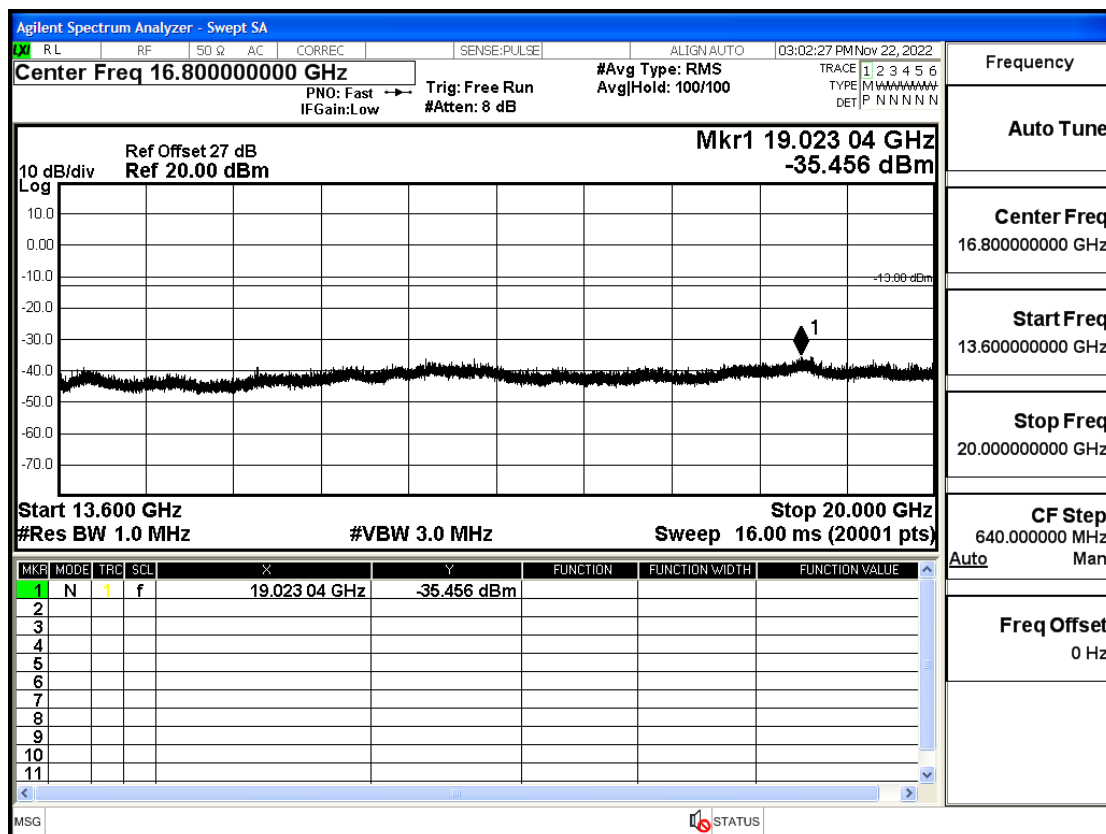
OB2-20-1900-QPSK-100#LOW@1GHz-7GHz@Pass



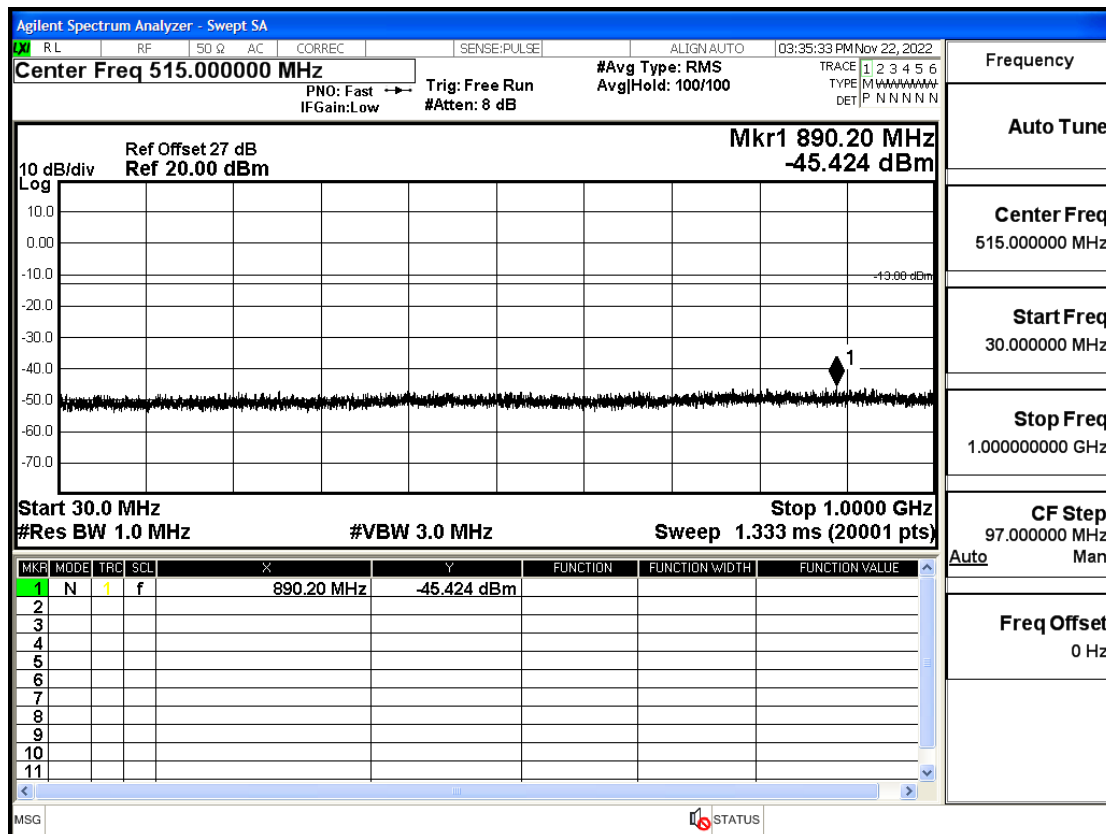
OB2-20-1900-QPSK-100#LOW@7GHz-13.6GHz@Pass



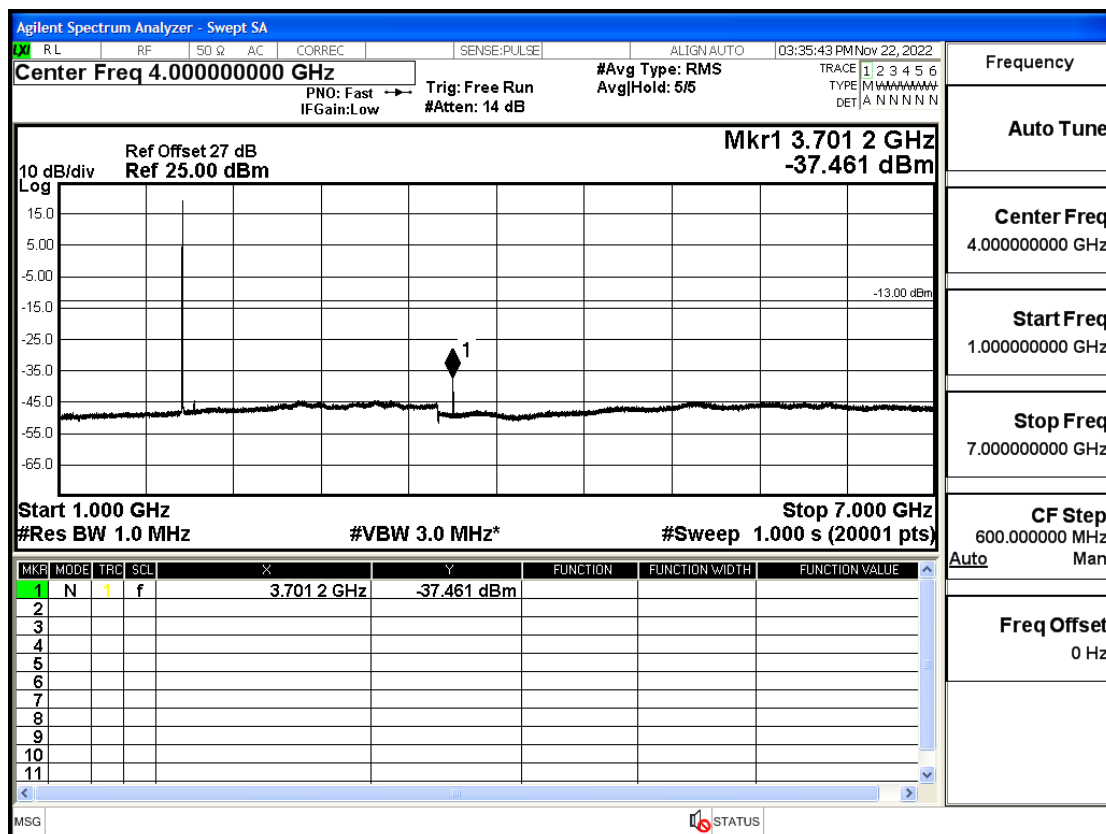
OB2-20-1900-QPSK-100#LOW@13.6GHz-20GHz@Pass



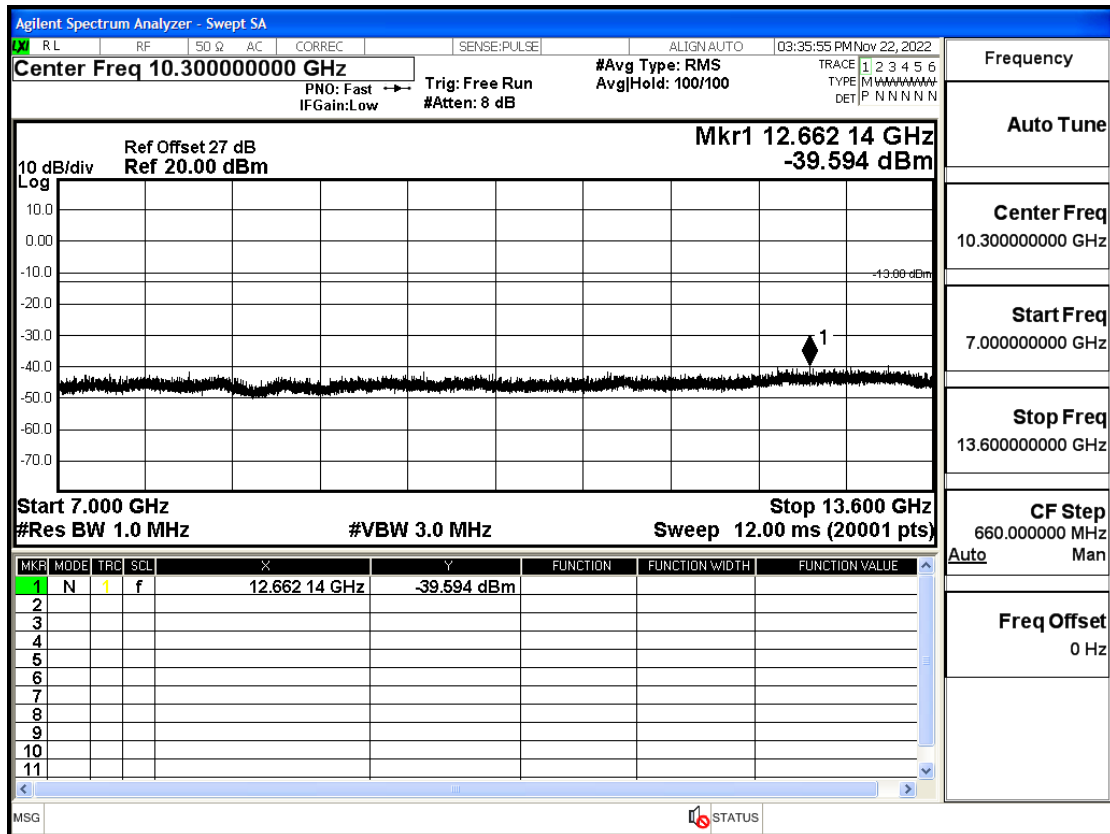
OB2-1.4-1850.7-Q16-6#LOW@30mHz-1GHz@Pass



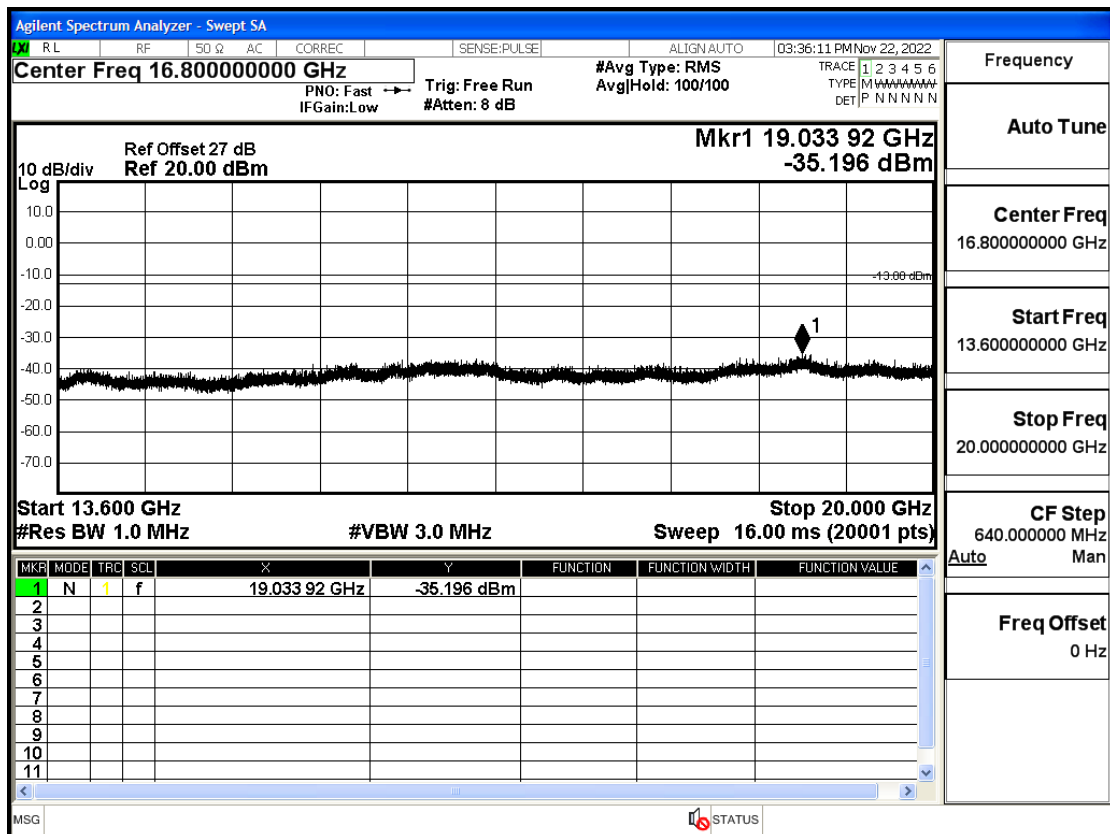
OB2-1.4-1850.7-Q16-6#LOW@1GHz-7GHz@Pass



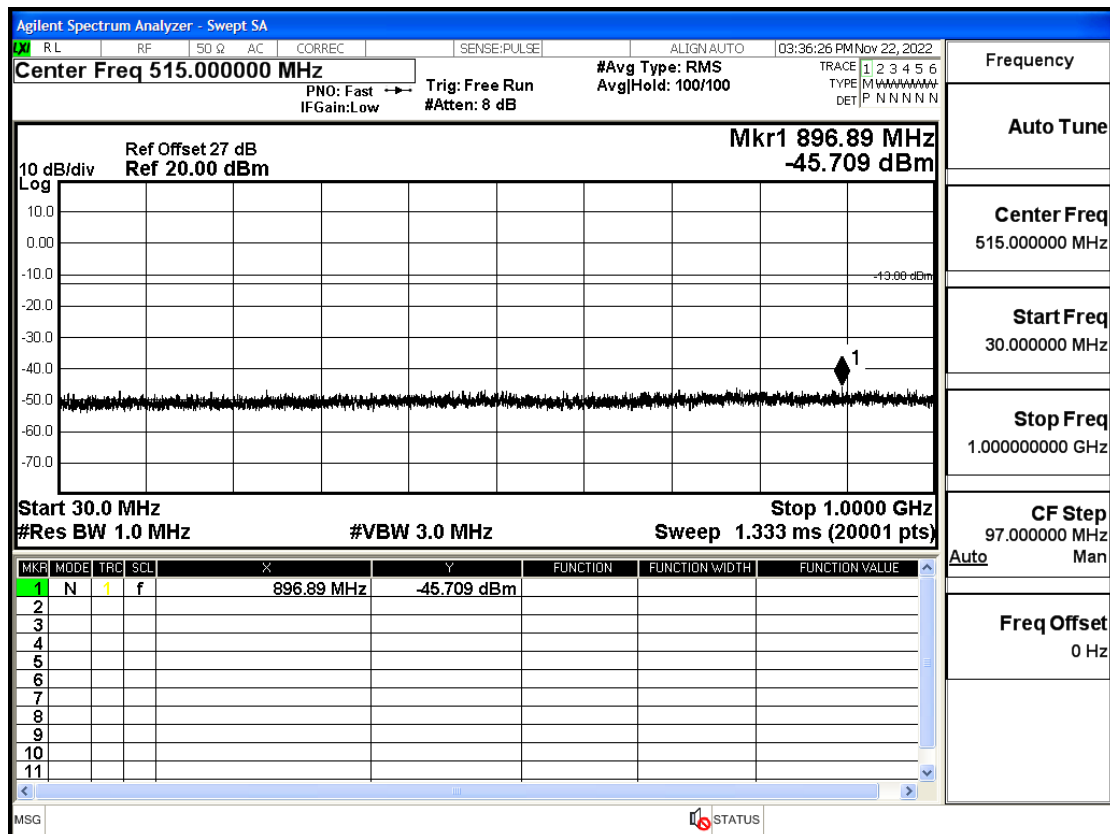
OB2-1.4-1850.7-Q16-6#LOW@7GHz-13.6GHz@Pass



OB2-1.4-1850.7-Q16-6#LOW@13.6GHz-20GHz@Pass



OB2-1.4-1880-Q16-6#LOW@30mHz-1GHz@Pass



OB2-1.4-1880-Q16-6#LOW@1GHz-7GHz@Pass

