

RF Test Data for LTE (Conducted Measurement)

Product Name: Smart phone

Trade Mark: KRIP

Test Model: K60

FCC ID: 2APX7K60

Environmental Conditions

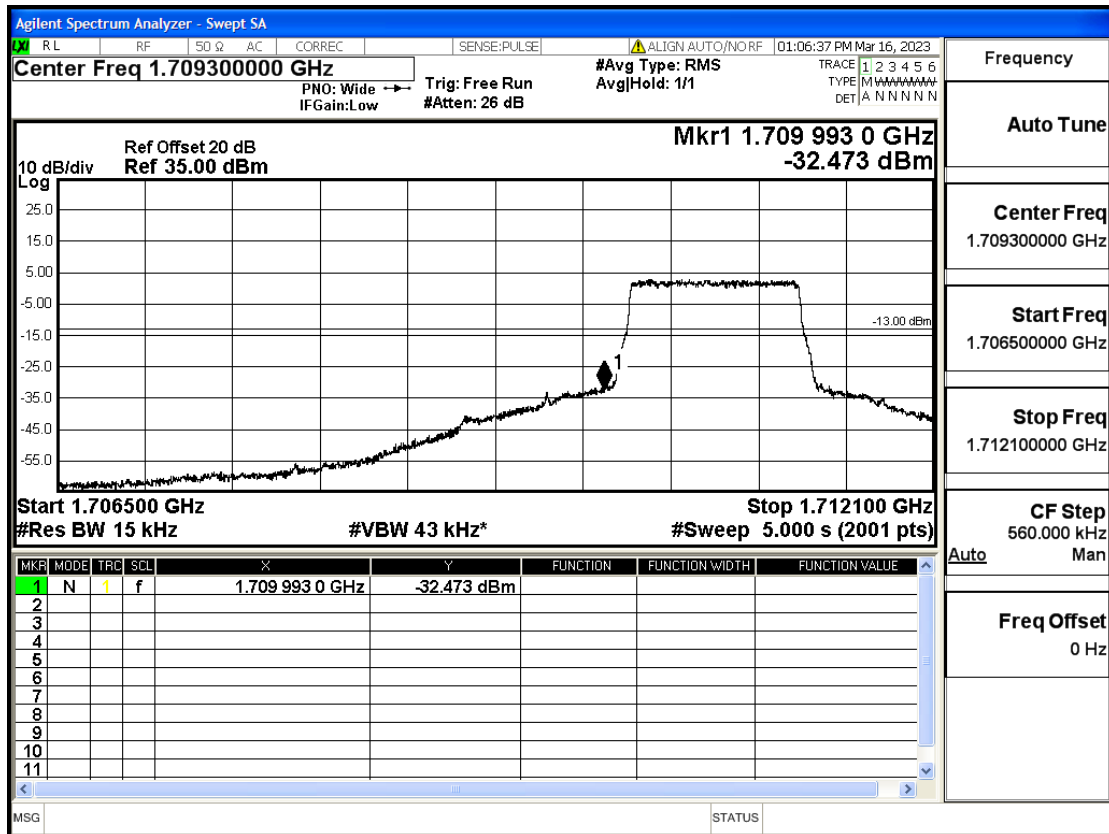
Temperature:	23.8℃
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
Remark:	For LTE Band4

Band Edge and Emission Mask

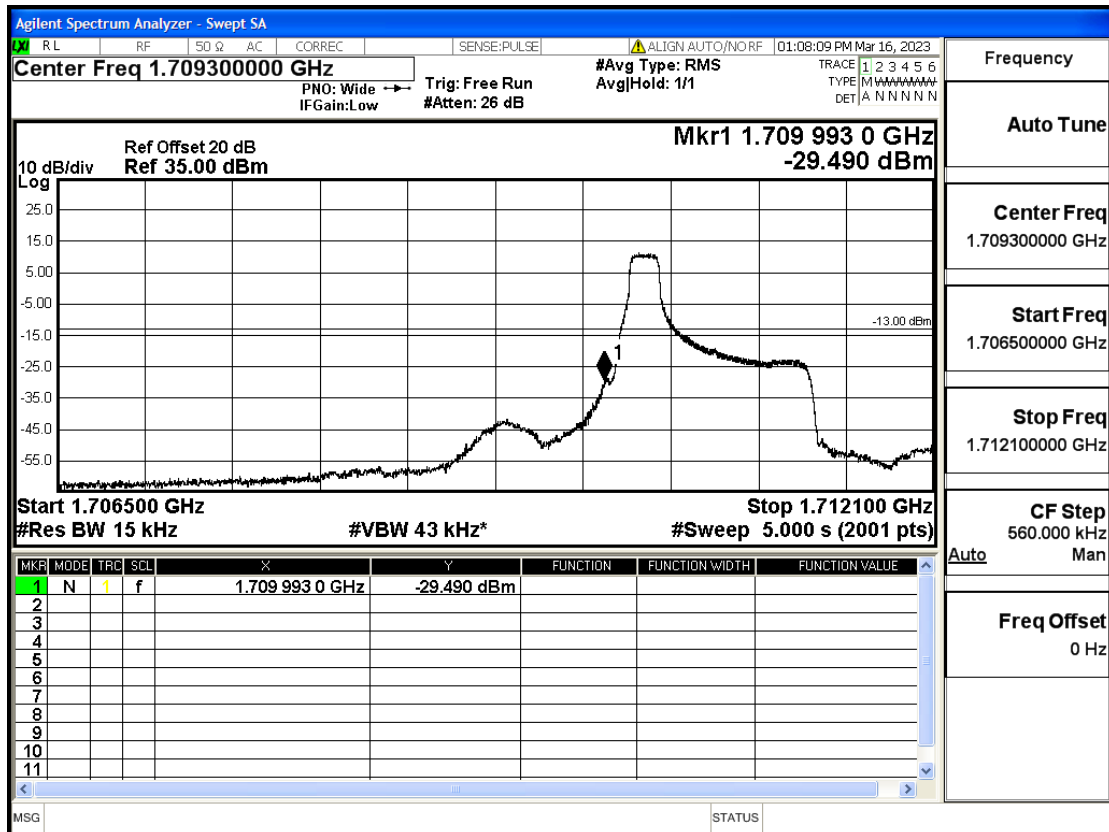
Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Conclusion
Band4	1.4	1710.7	QPSK	6	LOW	Pass
Band4	1.4	1710.7	QPSK	1	LOW	Pass
Band4	1.4	1710.7	16QAM	6	LOW	Pass
Band4	1.4	1710.7	16QAM	1	LOW	Pass
Band4	1.4	1754.3	QPSK	6	LOW	Pass
Band4	1.4	1754.3	QPSK	1	HIGH	Pass
Band4	1.4	1754.3	16QAM	6	LOW	Pass
Band4	1.4	1754.3	16QAM	1	HIGH	Pass
Band4	3	1711.5	QPSK	15	LOW	Pass
Band4	3	1711.5	QPSK	1	LOW	Pass
Band4	3	1711.5	16QAM	15	LOW	Pass
Band4	3	1711.5	16QAM	1	LOW	Pass
Band4	3	1753.5	QPSK	15	LOW	Pass
Band4	3	1753.5	QPSK	1	HIGH	Pass
Band4	3	1753.5	16QAM	15	LOW	Pass
Band4	3	1753.5	16QAM	1	HIGH	Pass
Band4	5	1712.5	QPSK	25	LOW	Pass
Band4	5	1712.5	QPSK	1	LOW	Pass
Band4	5	1712.5	16QAM	25	LOW	Pass
Band4	5	1712.5	16QAM	1	LOW	Pass
Band4	5	1752.5	QPSK	25	LOW	Pass
Band4	5	1752.5	QPSK	1	HIGH	Pass
Band4	5	1752.5	16QAM	25	LOW	Pass
Band4	5	1752.5	16QAM	1	HIGH	Pass
Band4	10	1715	QPSK	50	LOW	Pass
Band4	10	1715	QPSK	1	LOW	Pass
Band4	10	1715	16QAM	50	LOW	Pass
Band4	10	1715	16QAM	1	LOW	Pass
Band4	10	1750	QPSK	50	LOW	Pass
Band4	10	1750	QPSK	1	HIGH	Pass
Band4	10	1750	16QAM	50	LOW	Pass
Band4	10	1750	16QAM	1	HIGH	Pass
Band4	15	1717.5	QPSK	75	LOW	Pass
Band4	15	1717.5	QPSK	1	LOW	Pass
Band4	15	1717.5	16QAM	75	LOW	Pass
Band4	15	1717.5	16QAM	1	LOW	Pass
Band4	15	1747.5	QPSK	75	LOW	Pass
Band4	15	1747.5	QPSK	1	HIGH	Pass
Band4	15	1747.5	16QAM	75	LOW	Pass
Band4	15	1747.5	16QAM	1	HIGH	Pass
Band4	20	1720	QPSK	100	LOW	Pass

Band4	20	1720	QPSK	1	LOW	Pass
Band4	20	1720	16QAM	100	LOW	Pass
Band4	20	1720	16QAM	1	LOW	Pass
Band4	20	1745	QPSK	100	LOW	Pass
Band4	20	1745	QPSK	1	HIGH	Pass
Band4	20	1745	16QAM	100	LOW	Pass
Band4	20	1745	16QAM	1	HIGH	Pass

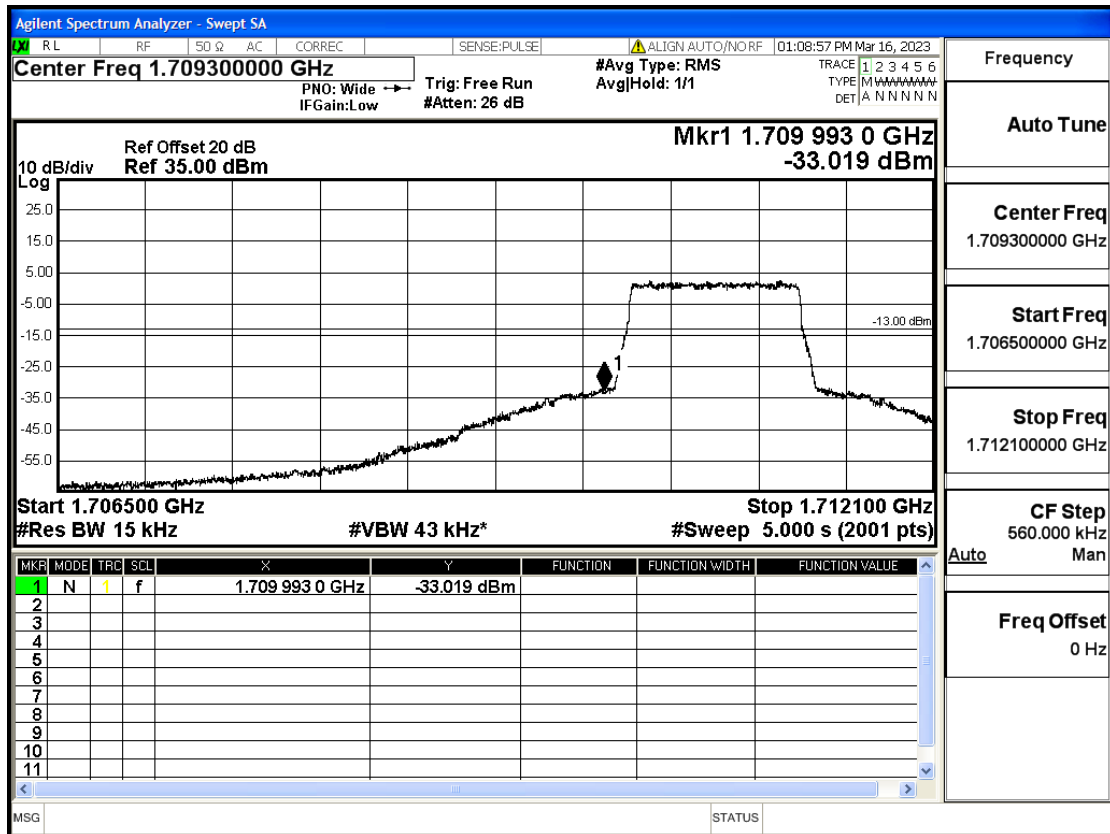
Band4-1.4-1710.7-QPSK-6#LOW@Pass



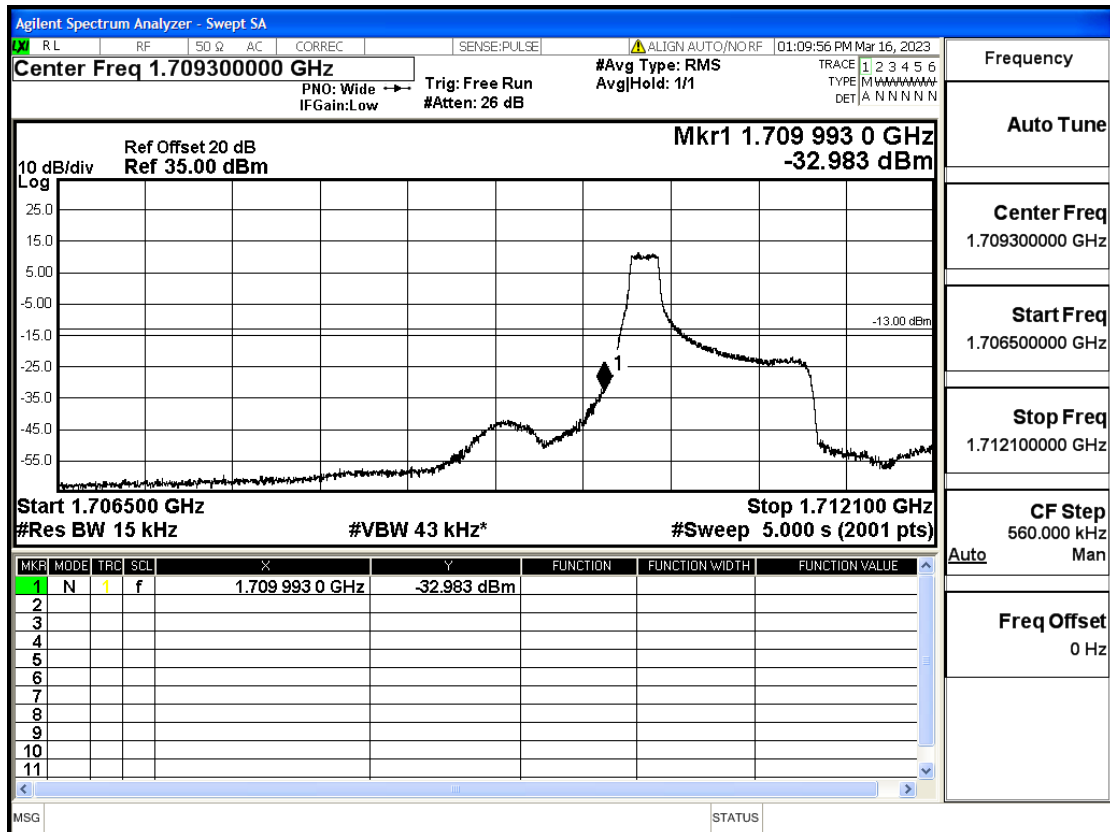
Band4-1.4-1710.7-QPSK-1#LOW@Pass



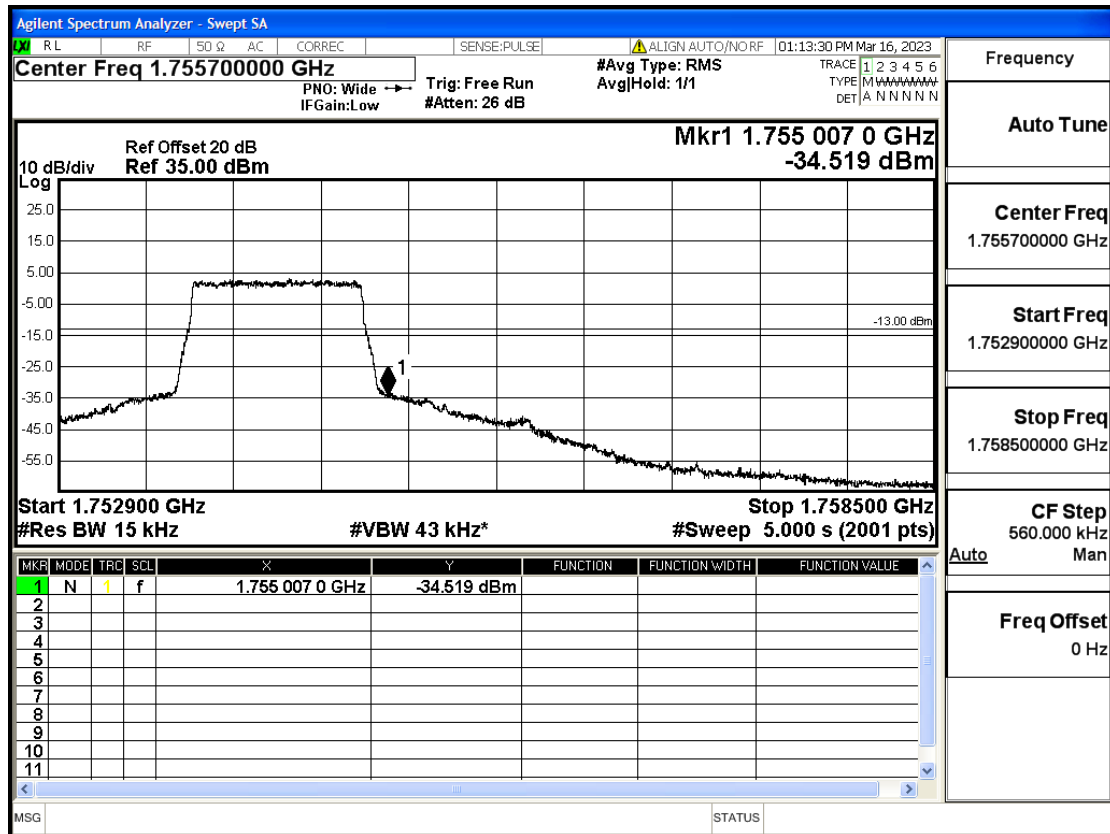
Band4-1.4-1710.7-16QAM-6#LOW@Pass



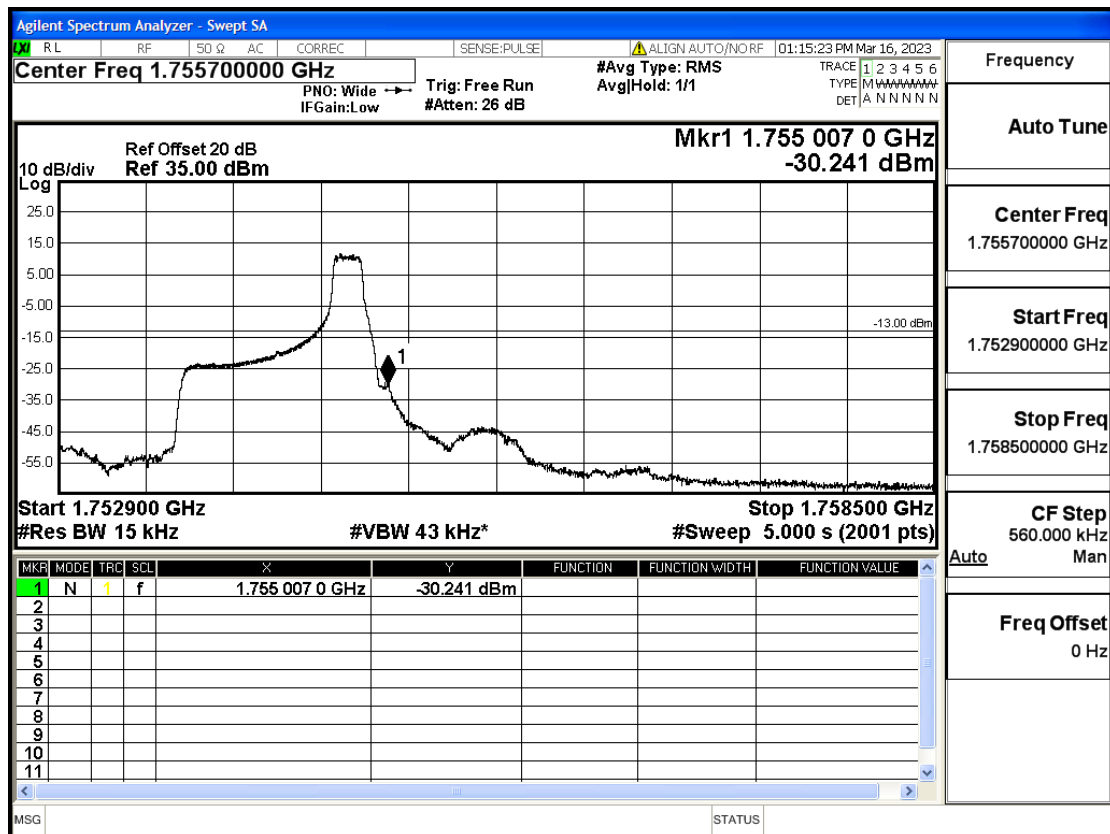
Band4-1.4-1710.7-16QAM-1#LOW@Pass



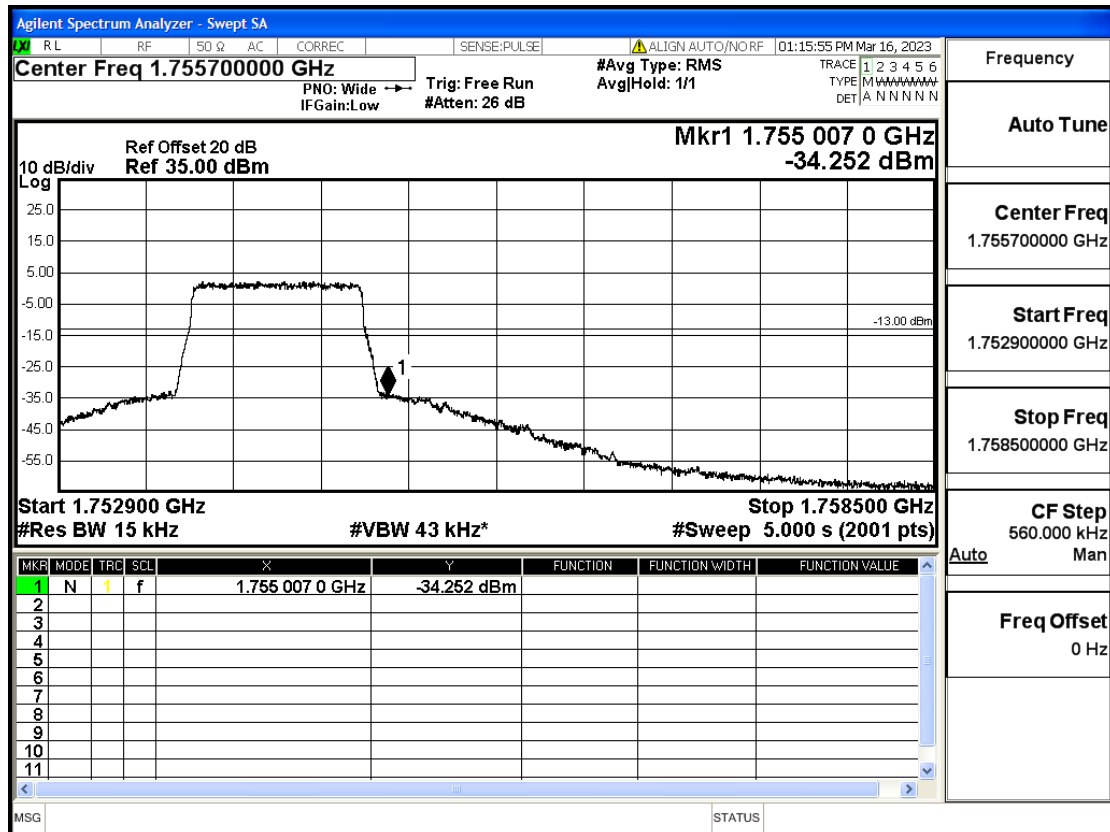
Band4-1.4-1754.3-QPSK-6#LOW@Pass



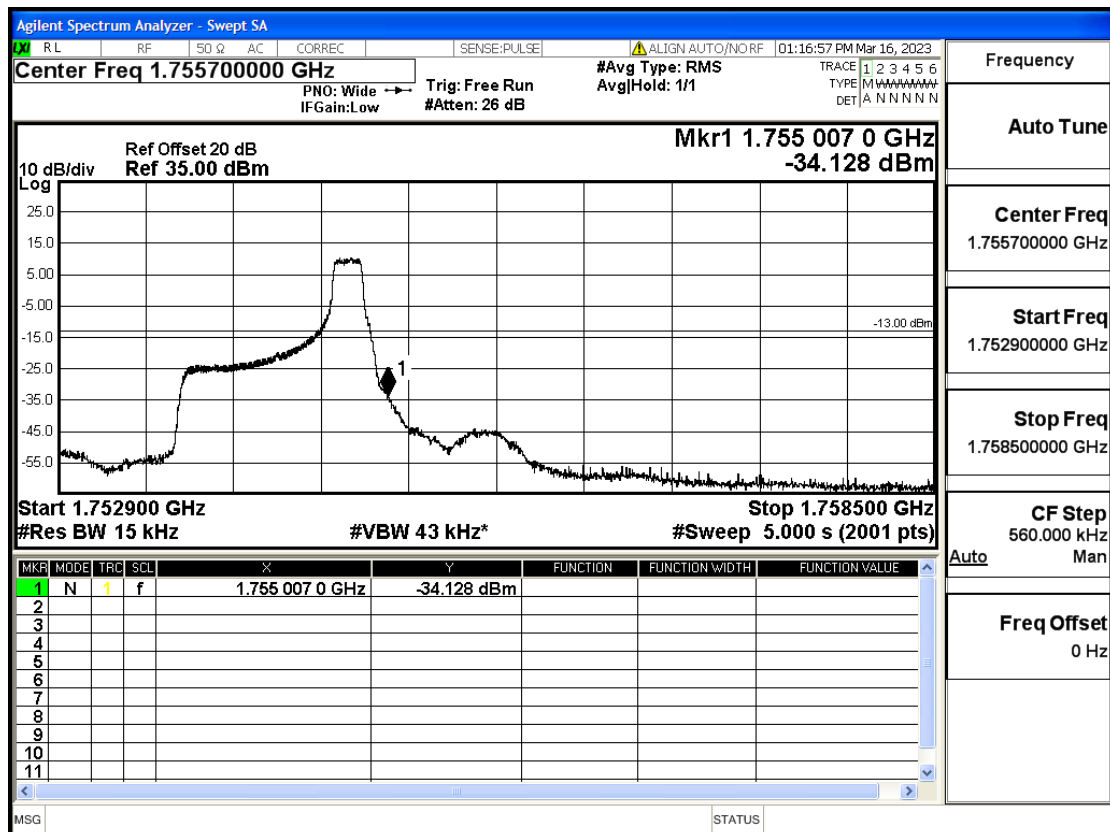
Band4-1.4-1754.3-QPSK-1#HIGH@Pass



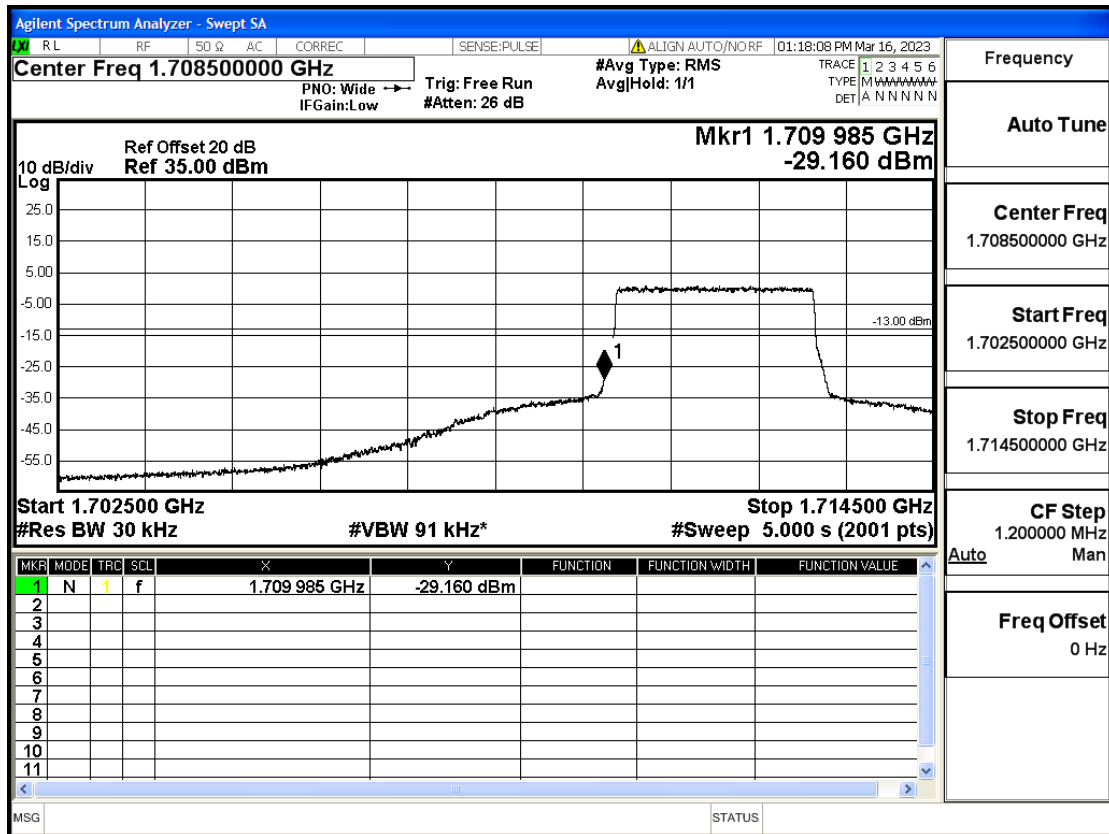
Band4-1.4-1754.3-16QAM-6#LOW@Pass



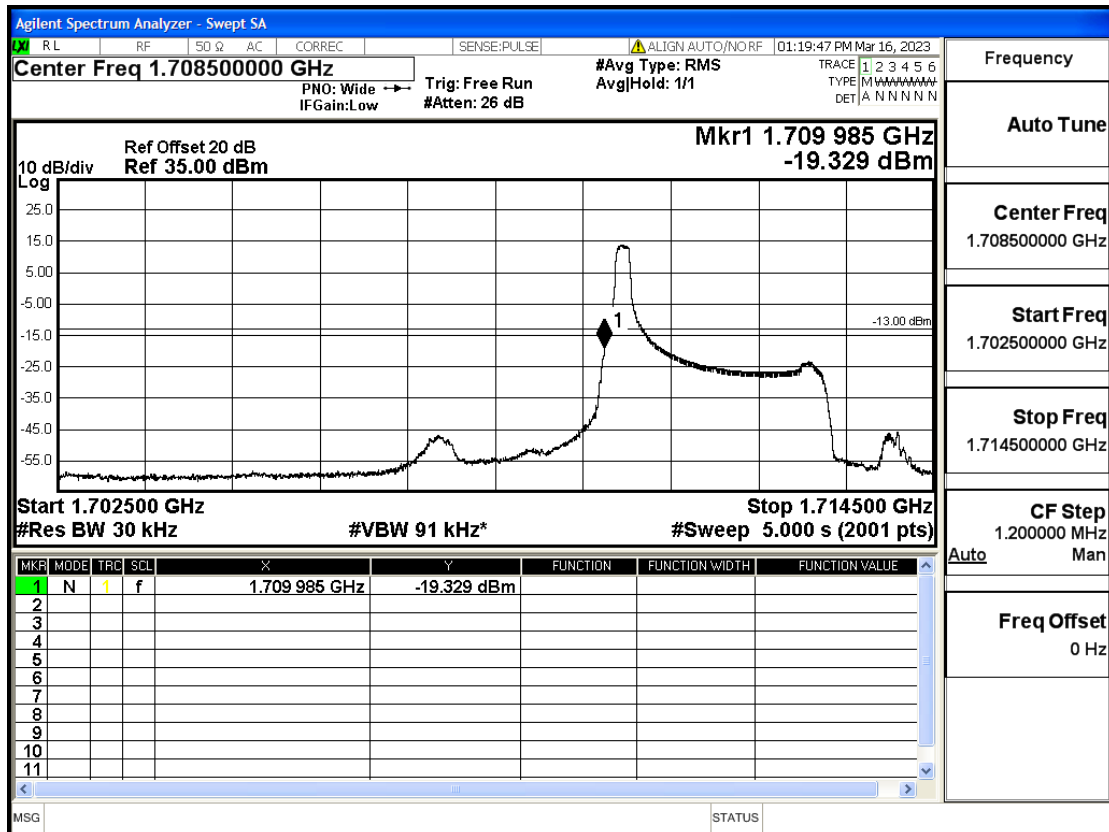
Band4-1.4-1754.3-16QAM-1#HIGH@Pass



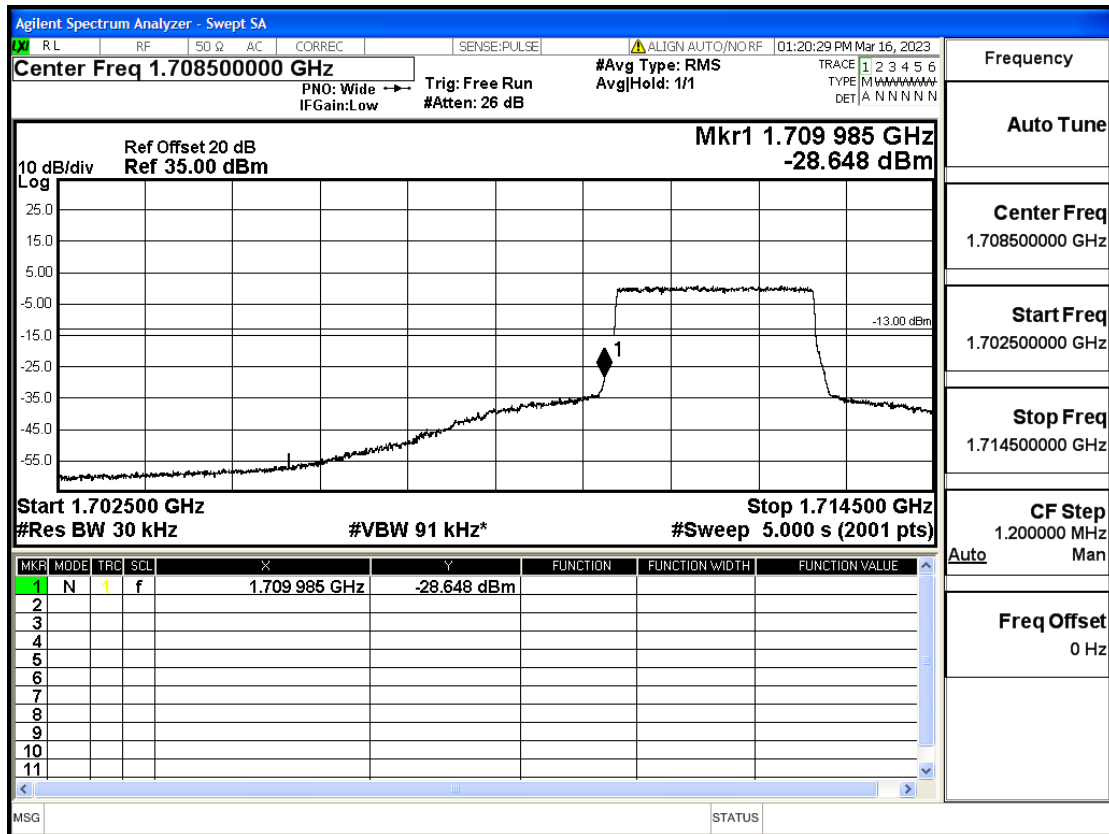
Band4-3-1711.5-QPSK-15#LOW@Pass



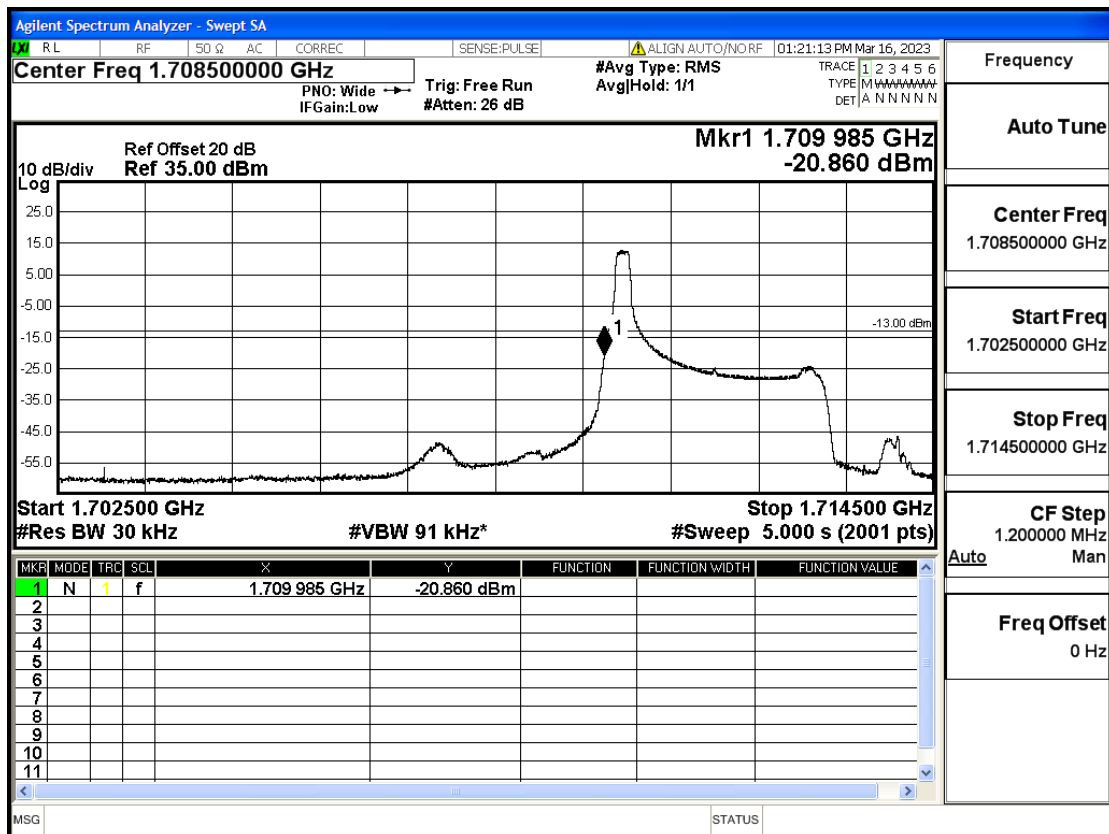
Band4-3-1711.5-QPSK-1#LOW@Pass



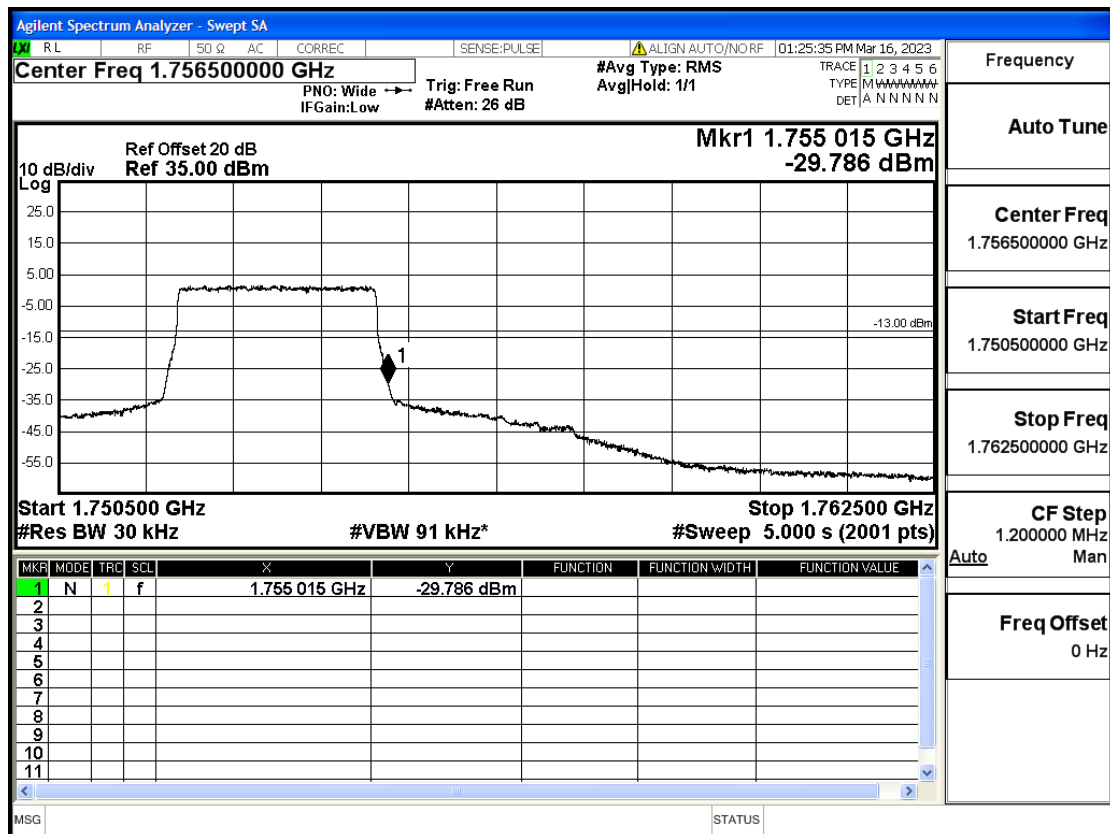
Band4-3-1711.5-16QAM-15#LOW@Pass



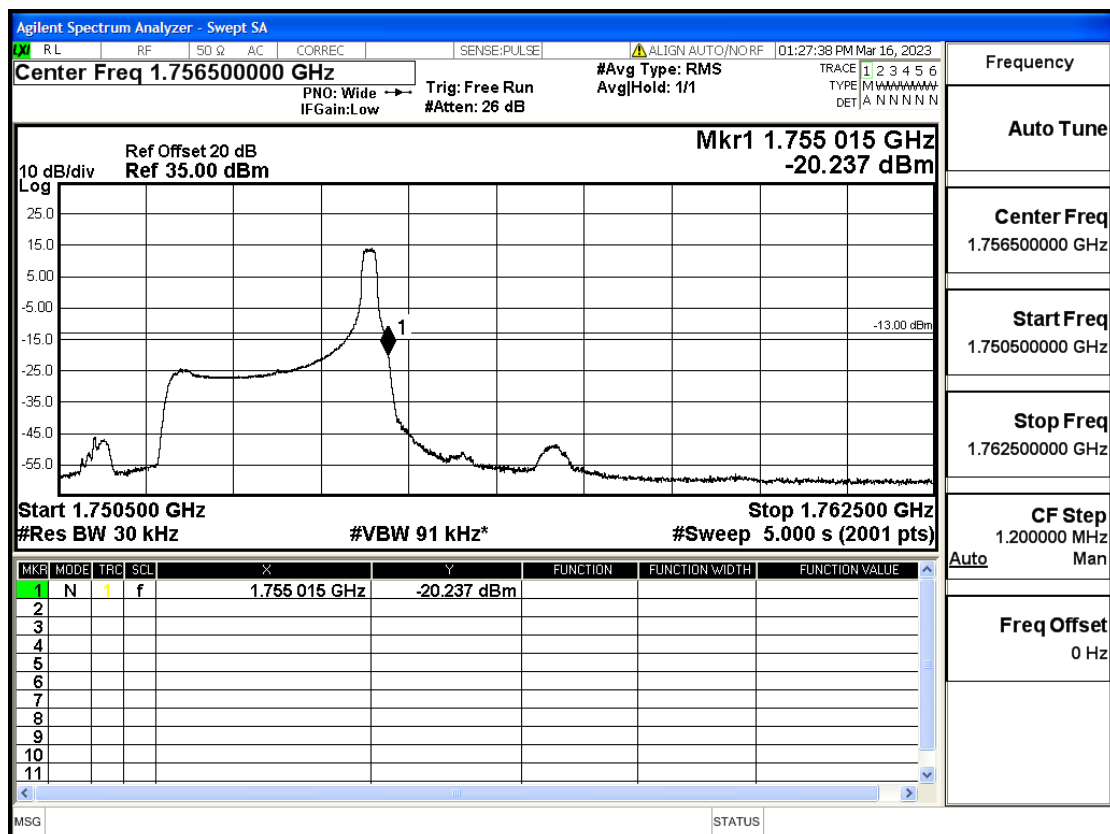
Band4-3-1711.5-16QAM-1#LOW@Pass



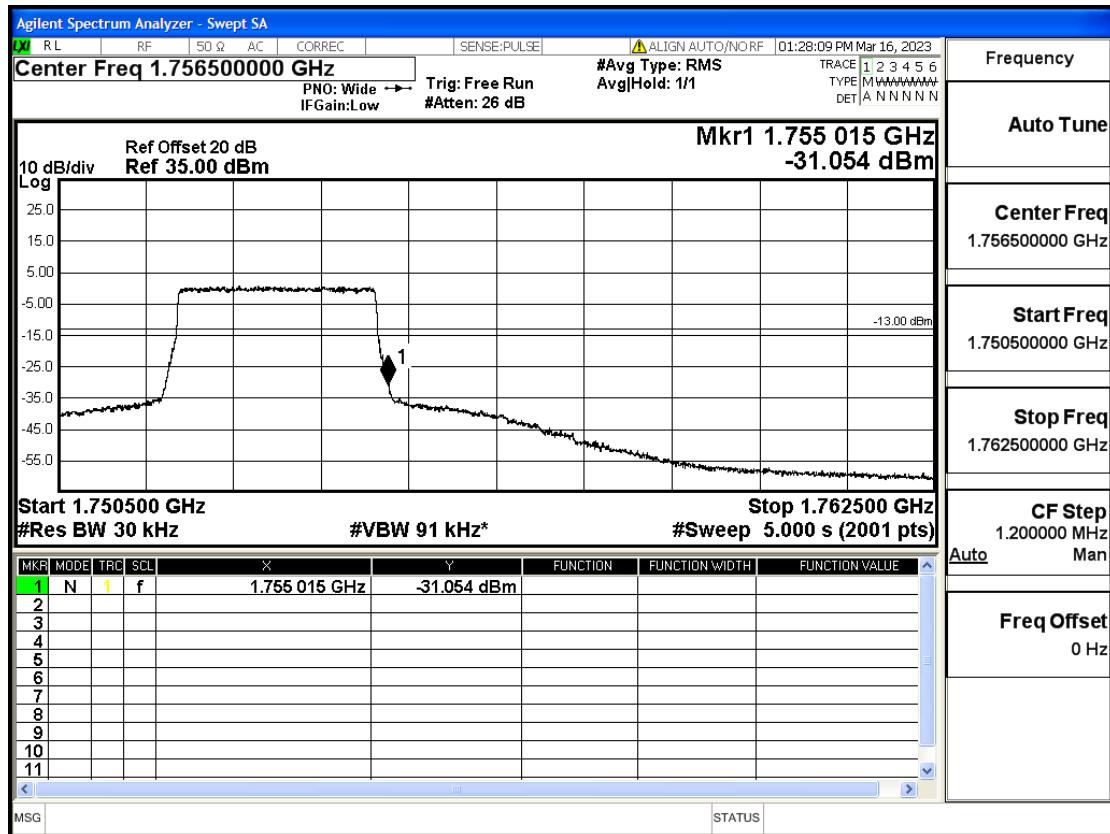
Band4-3-1753.5-QPSK-15#LOW@Pass



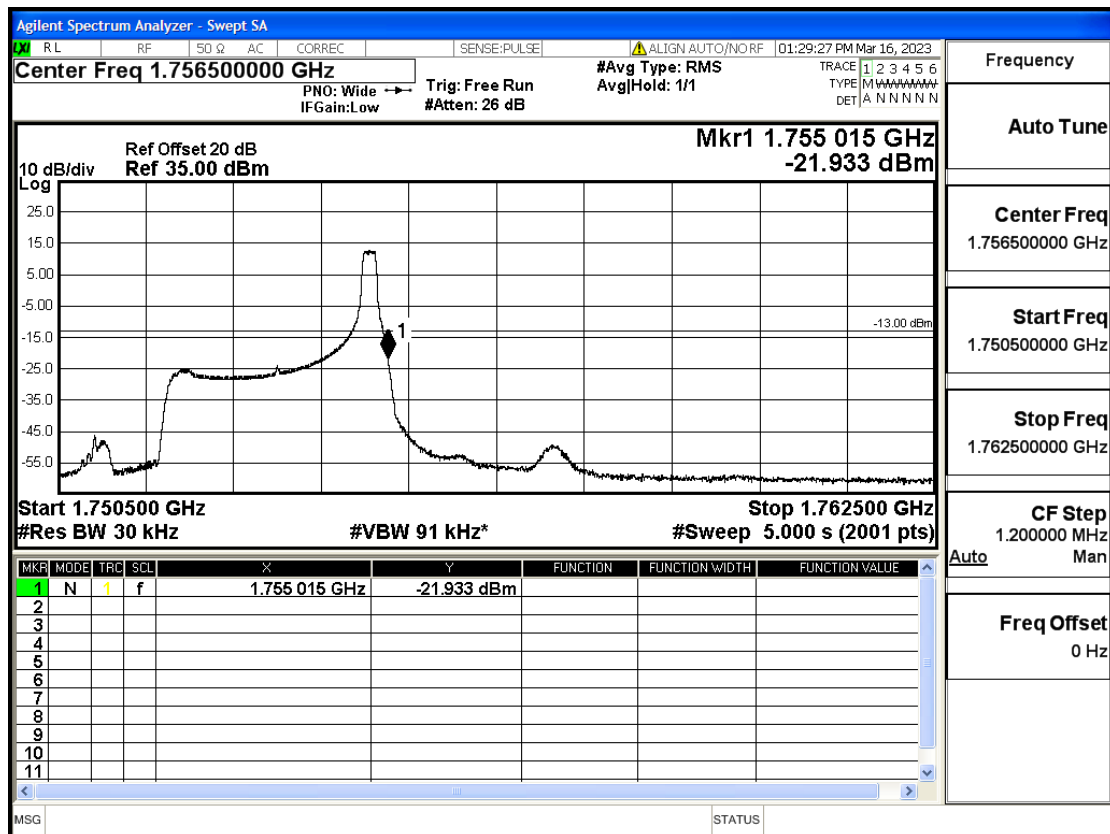
Band4-3-1753.5-QPSK-1#HIGH@Pass



Band4-3-1753.5-16QAM-15#LOW@Pass



Band4-3-1753.5-16QAM-1#HIGH@Pass



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN AUTO/NORF 01:30:26 PM Mar 16, 2023

Center Freq 1.707500000 GHz

PNO: Fast IFGain:Low Trig: Free Run #Atten: 26 dB #Avg Type: RMS AvgHld: 1/1

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

Mkr1 1.709 98 GHz
-32.317 dBm

10 dB/div Ref Offset 20 dB
Log Ref 35.00 dBm

Start 1.69750 GHz
#Res BW 51 kHz

Stop 1.71750 GHz
#Sweep 5.000 s (2001 pts)

#VBW 150 kHz*

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.709 98 GHz	-32.317 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
1.707500000 GHz

Start Freq
1.697500000 GHz

Stop Freq
1.717500000 GHz

CF Step
2.000000 MHz

Man

Auto

Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA

R/L	RF	50 Ω	AC	CORREC	SENSE/PULSE	ALIGN AUTO/NORF	01:32:08 PM Mar 16, 2023
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Center Freq 1.70750000 GHz

PNO: Fast → Trig: Free Run
IFGain: Low #Atten: 26 dB

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

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

Mkr1 1.709 98 GHz
-26.366 dBm

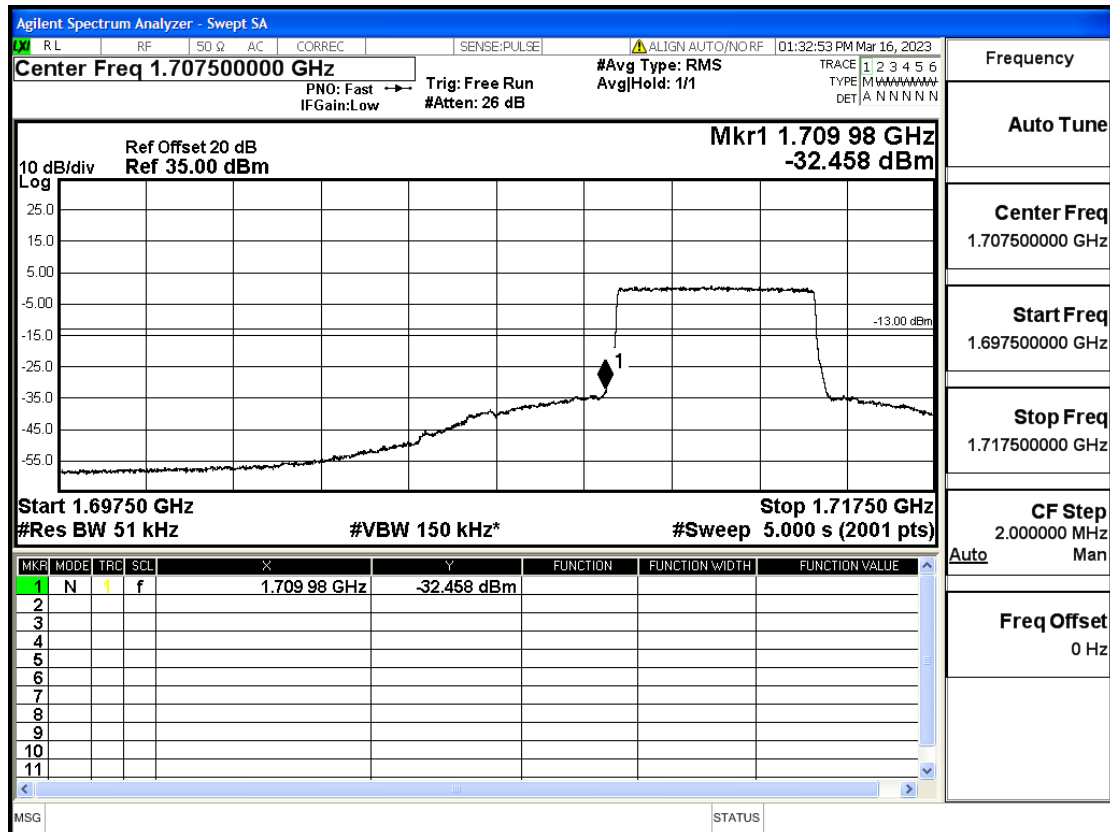
Ref Offset 20 dB
Ref 35.00 dBm

Start 1.69750 GHz Stop 1.71750 GHz
#Res BW 51 kHz #VBW 150 kHz* #Sweep 5.000 s (2001 pts)

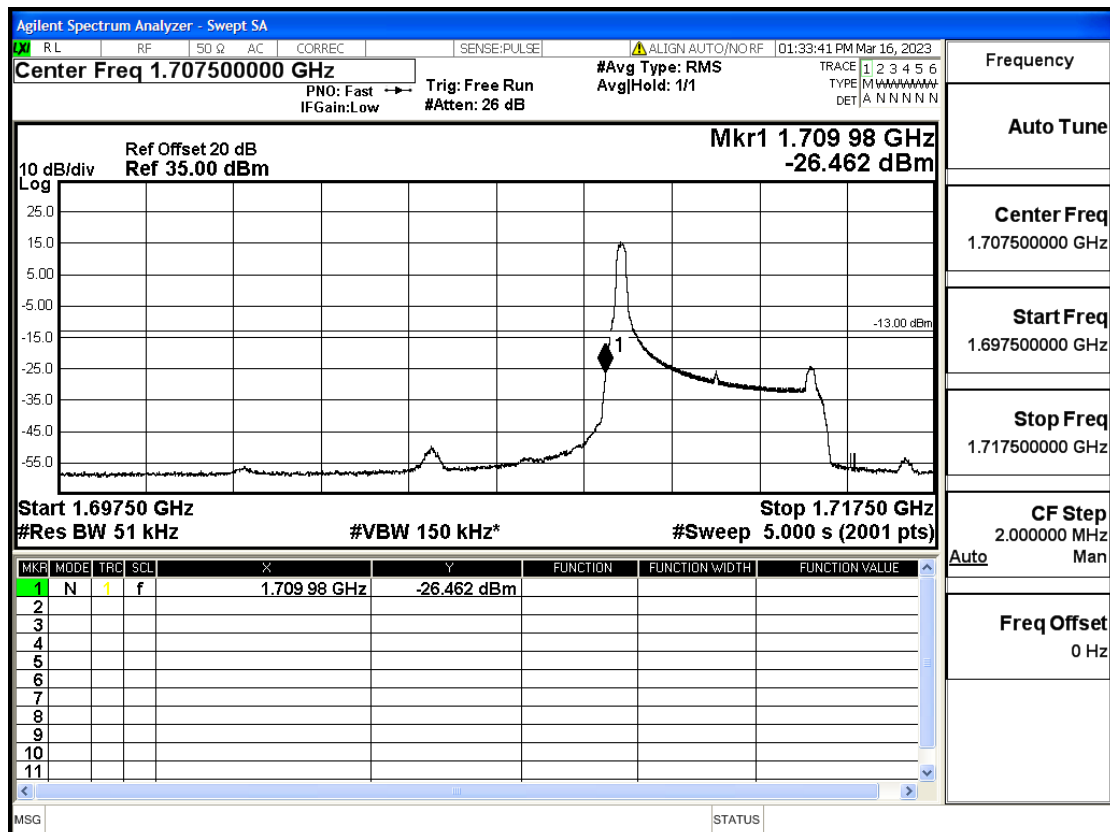
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	f	f	1.709 98 GHz	-26.366 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

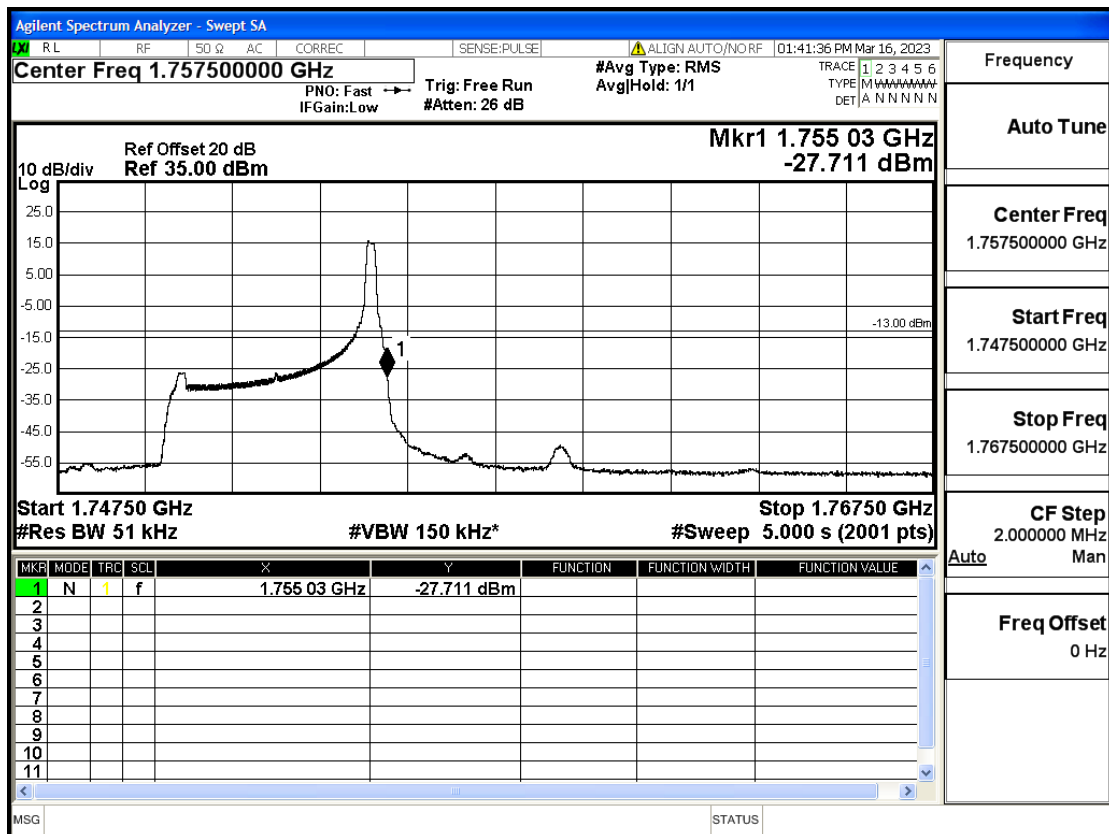
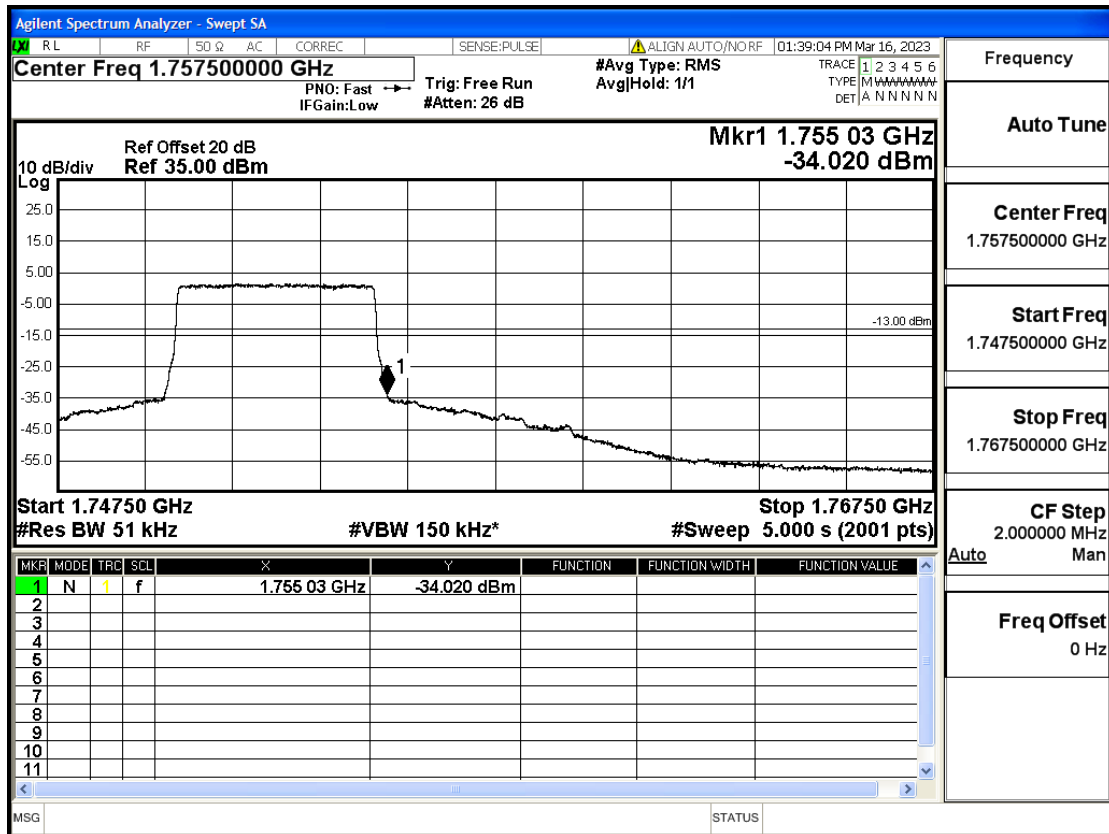
Frequency
Auto Tune
Center Freq 1.70750000 GHz
Start Freq 1.69750000 GHz
Stop Freq 1.71750000 GHz
CF Step 2.000000 MHz
Auto Man
Freq Offset 0 Hz

Band4-5-1712.5-16QAM-25#LOW@Pass

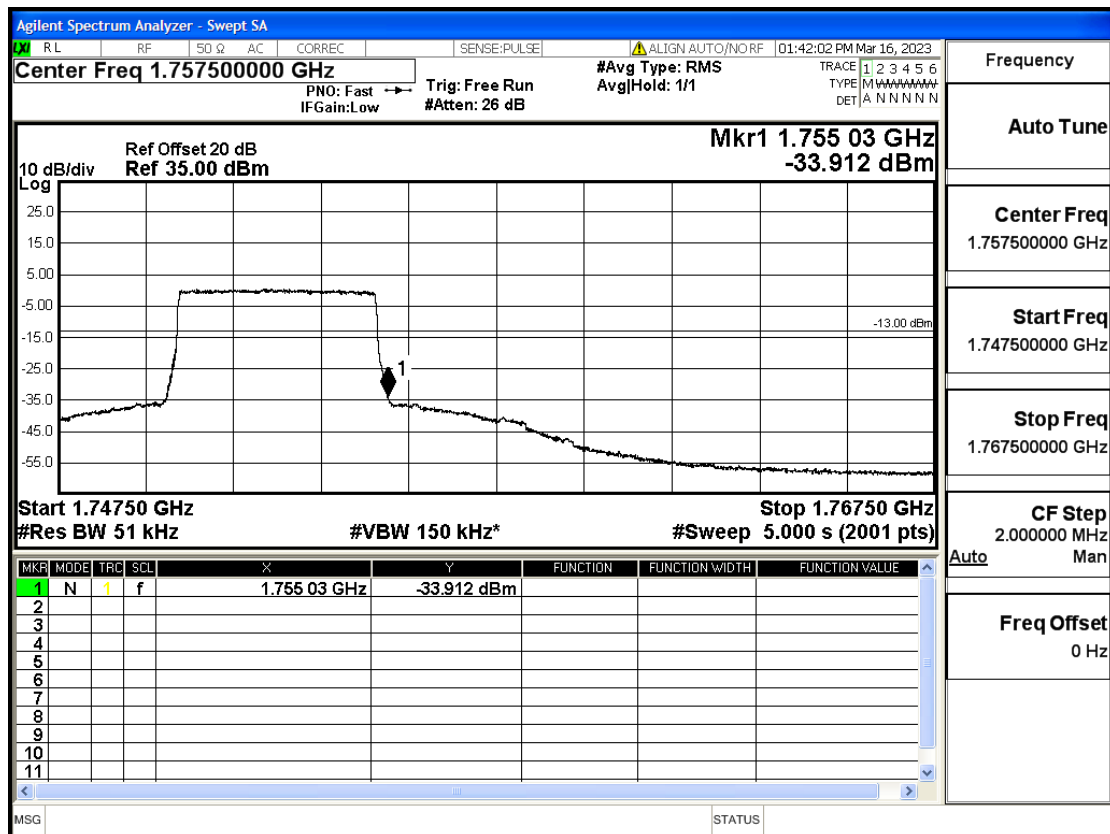


Band4-5-1712.5-16QAM-1#LOW@Pass

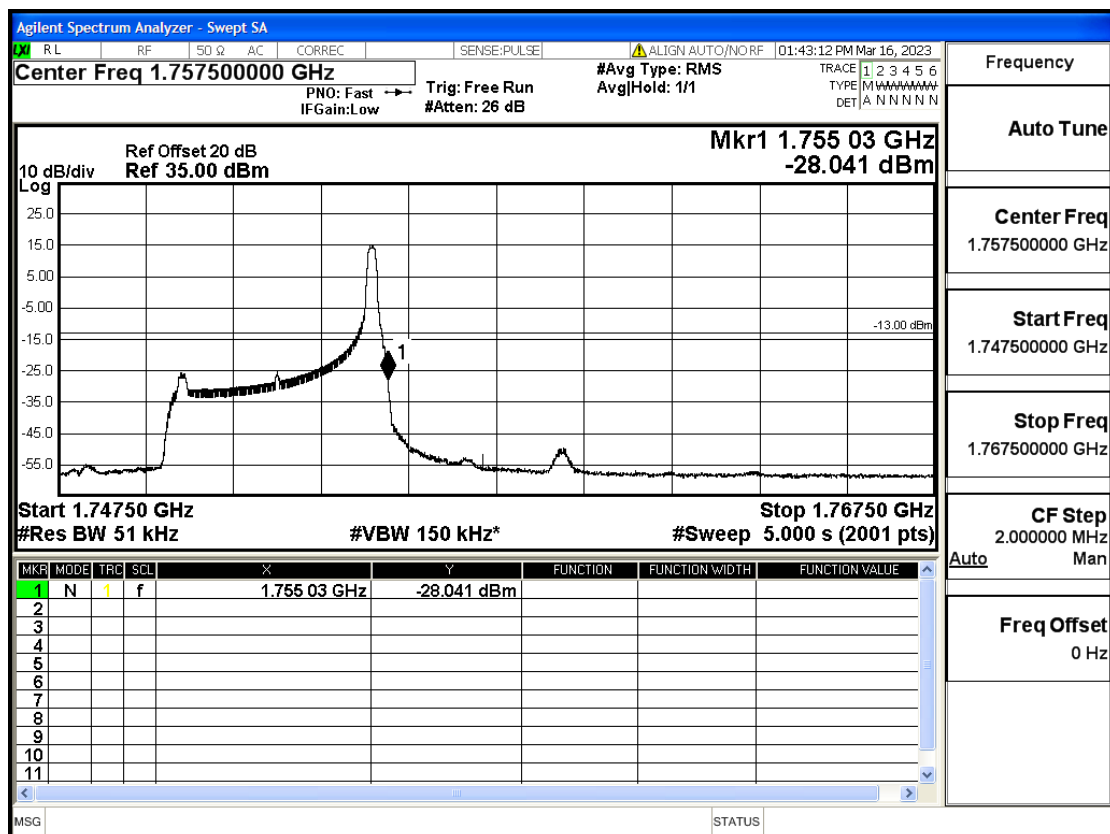




Band4-5-1752.5-16QAM-25#LOW@Pass



Band4-5-1752.5-16QAM-1#HIGH@Pass



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN AUTO/NORF 01:44:35 PM Mar 16, 2023

Center Freq 1.70500000 GHz PNO: Fast IFGain:Low Trig: Free Run #Atten: 26 dB #Avg Type: RMS AvgHold: 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 20 dB Mkr1 1.709 95 GHz
Ref 35.00 dBm -33.792 dBm

10 dB/div Log

Start 1.68500 GHz Stop 1.72500 GHz
#Res BW 100 kHz #VBW 300 kHz* #Sweep 5.000 s (2001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.709 95 GHz	-33.792 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency Auto Tune Center Freq 1.70500000 GHz Start Freq 1.68500000 GHz Stop Freq 1.72500000 GHz CF Step 4.000000 MHz Man Freq Offset 0 Hz

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN AUTO/NORF 01:46:21 PM Mar 16, 2023

Center Freq 1.705000000 GHz PNO: Fast IFGain:Low Trig: Free Run #Atten: 26 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 N

Ref Offset 20 dB Ref 35.00 dBm Mkr1 1.709 95 GHz -28.099 dBm

10 dB/div Log

Start 1.68500 GHz Stop 1.72500 GHz
#Res BW 100 kHz #VBW 300 kHz* #Sweep 5.000 s (2001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.709 95 GHz	-28.099 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency Auto Tune Center Freq 1.705000000 GHz Start Freq 1.685000000 GHz Stop Freq 1.725000000 GHz CF Step 4.000000 MHz Auto Man Freq Offset 0 Hz

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN AUTO/NORF 01:47:15 PM Mar 16, 2023

Center Freq 1.70500000 GHz

PNO: Fast IFGain:Low Trig: Free Run #Atten: 26 dB #Avg Type: RMS AvgHold: 1/1

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

Ref Offset 20 dB
Ref 35.00 dBm

**Mkr1 1.709 95 GHz
-34.137 dBm**

10 dB/div Log

Start 1.68500 GHz #Res BW 100 kHz #VBW 300 kHz* Stop 1.72500 GHz #Sweep 5.000 s (2001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.709 95 GHz	-34.137 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
1.70500000 GHz

Start Freq
1.68500000 GHz

Stop Freq
1.72500000 GHz

CF Step
4.000000 MHz

Man

Auto

Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA

R/L	RF	50 Ω	AC	CORREC	SENSE/PULSE	ALIGN AUTO/NORF	01:48:16 PM Mar 16, 2023
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Center Freq 1.705000000 GHz PNO: Fast → Trig: Free Run
IFGain: Low #Atten: 26 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

Mkr1 1.709 95 GHz -29.527 dBm

Ref Offset 20 dB
Ref 35.00 dBm

10 dB/div
Log

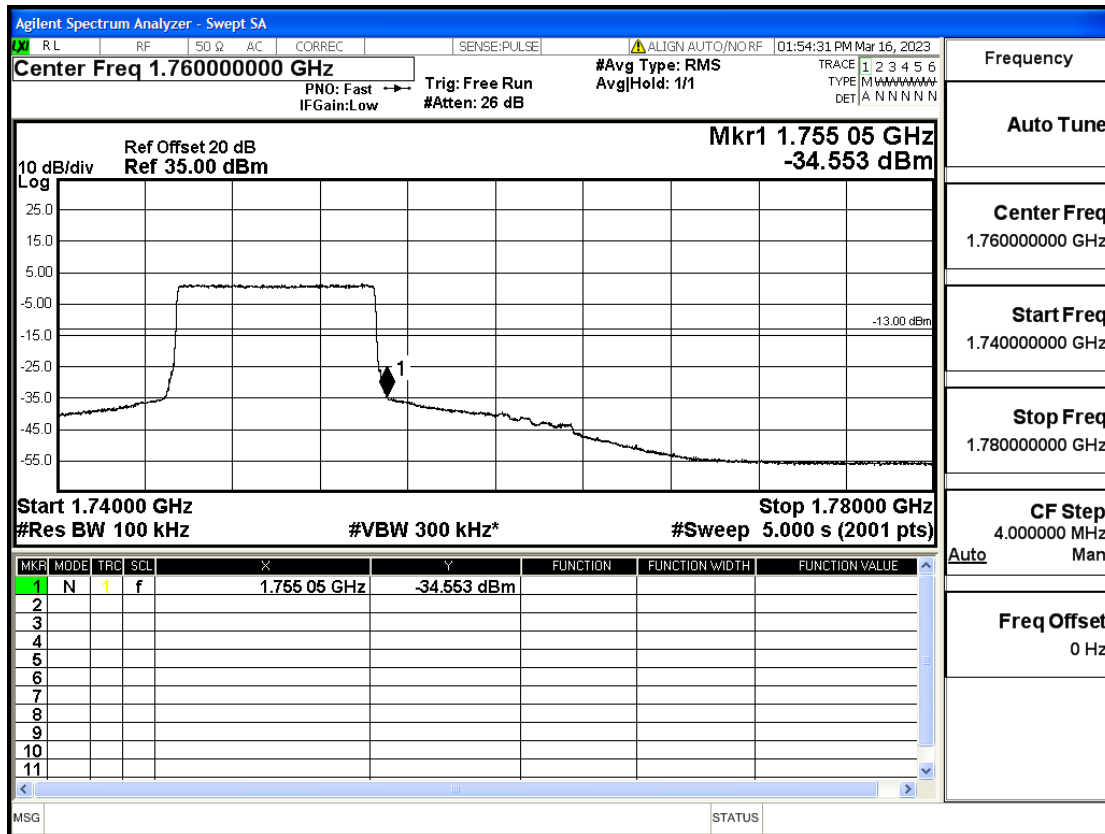
-13.00 dBm

Start 1.68500 GHz #Res BW 100 kHz **Stop 1.72500 GHz #VBW 300 kHz*** **#Sweep 5.000 s (2001 pts)**

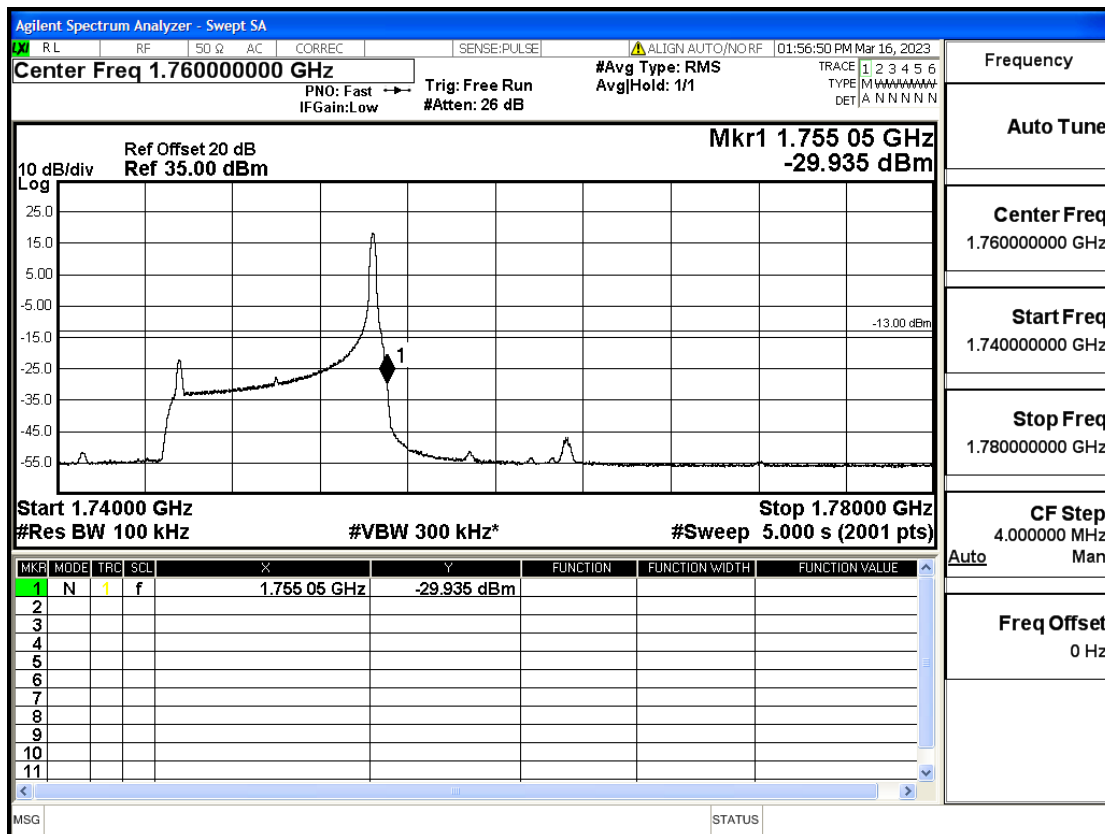
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	f	f	1.709 95 GHz	-29.527 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

Frequency
Auto Tune
Center Freq
1.705000000 GHz
Start Freq
1.685000000 GHz
Stop Freq
1.725000000 GHz
CF Step
4.000000 MHz
Man
Freq Offset
0 Hz

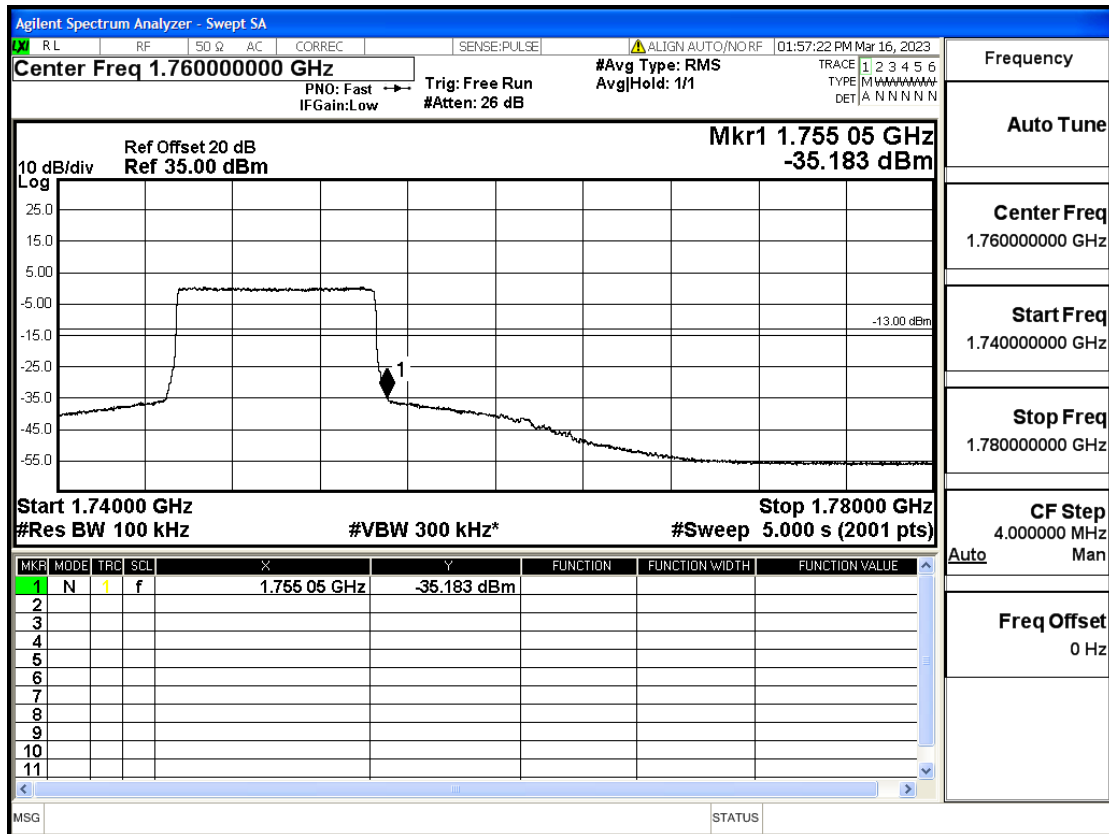
Band4-10-1750-QPSK-50#LOW@Pass



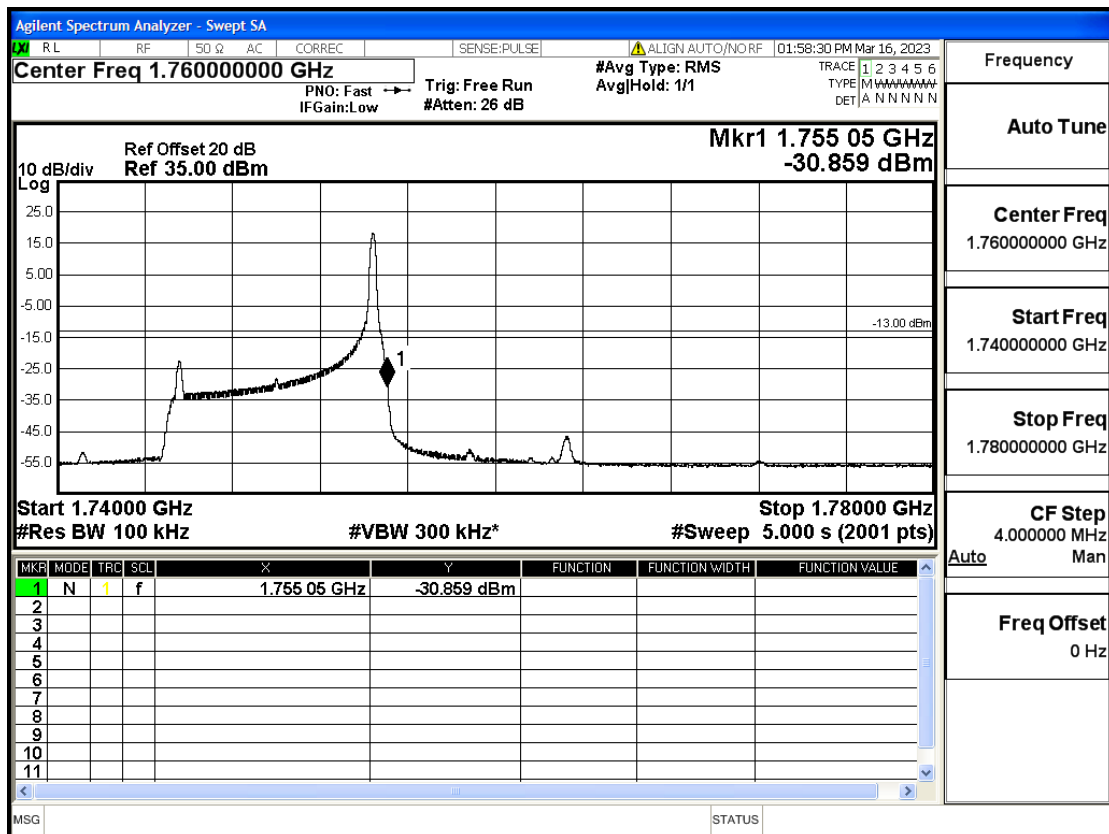
Band4-10-1750-QPSK-1#HIGH@Pass



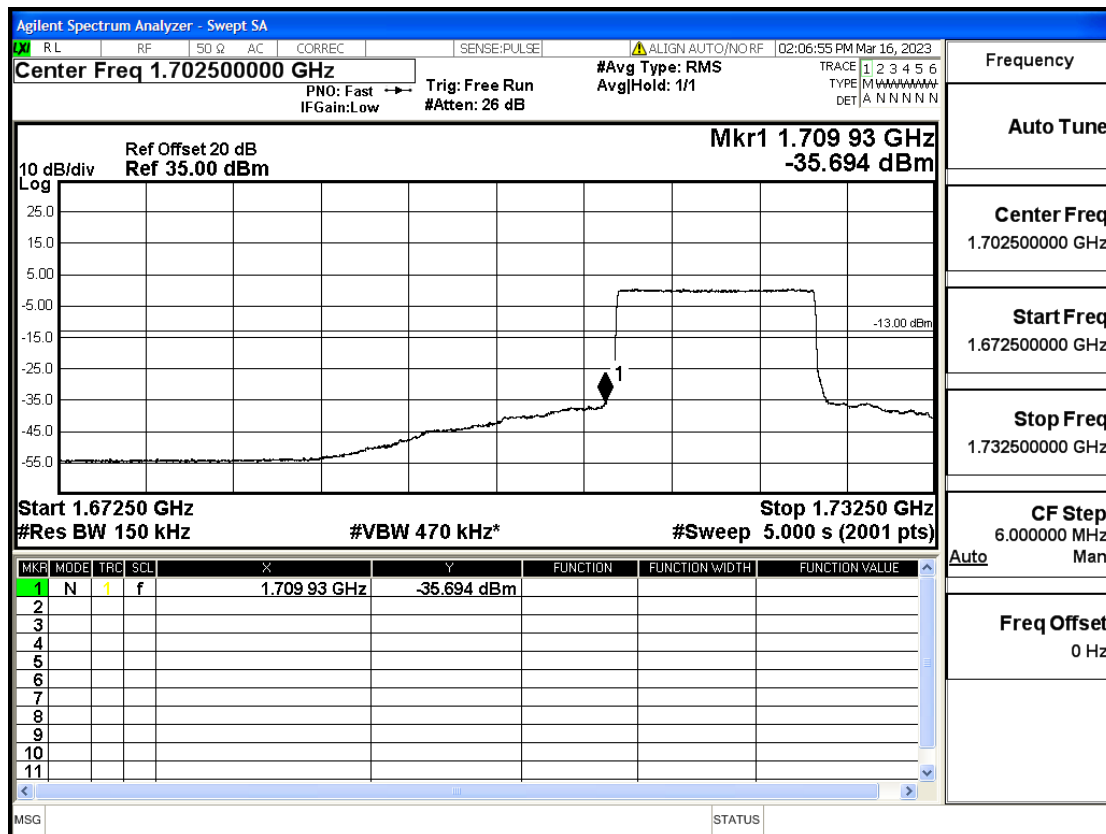
Band4-10-1750-16QAM-50#LOW@Pass



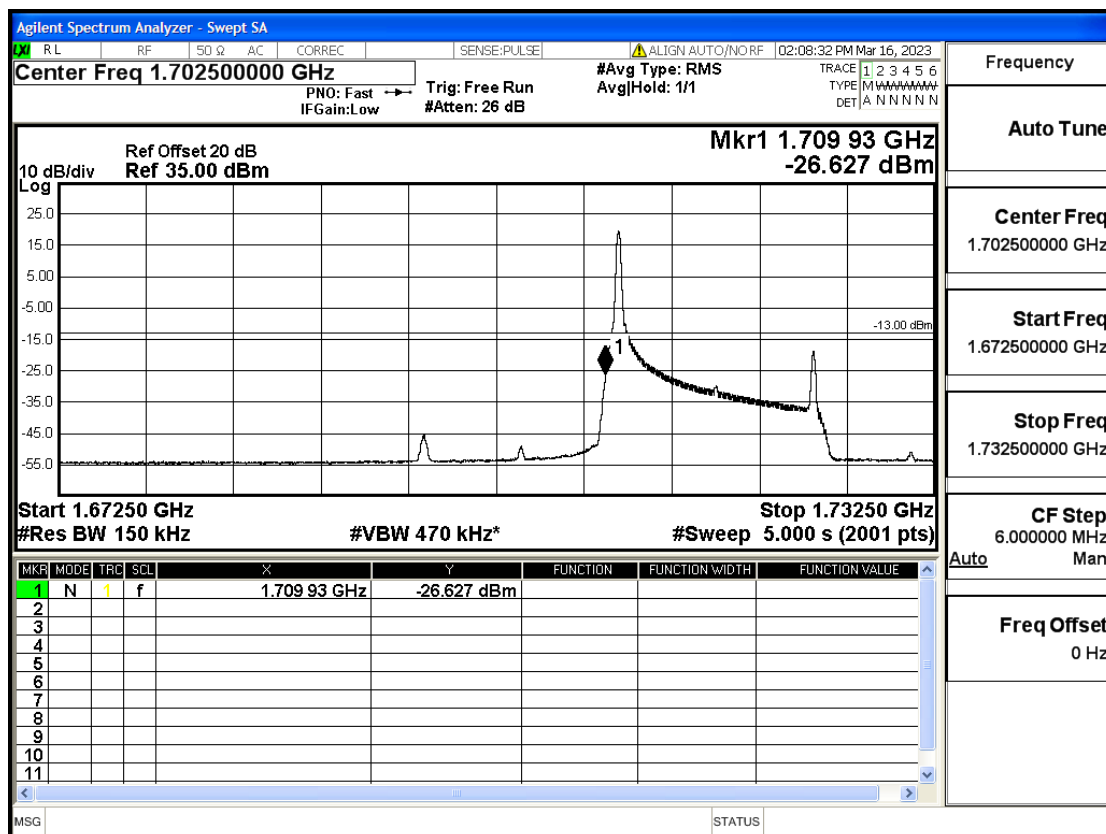
Band4-10-1750-16QAM-1#HIGH@Pass



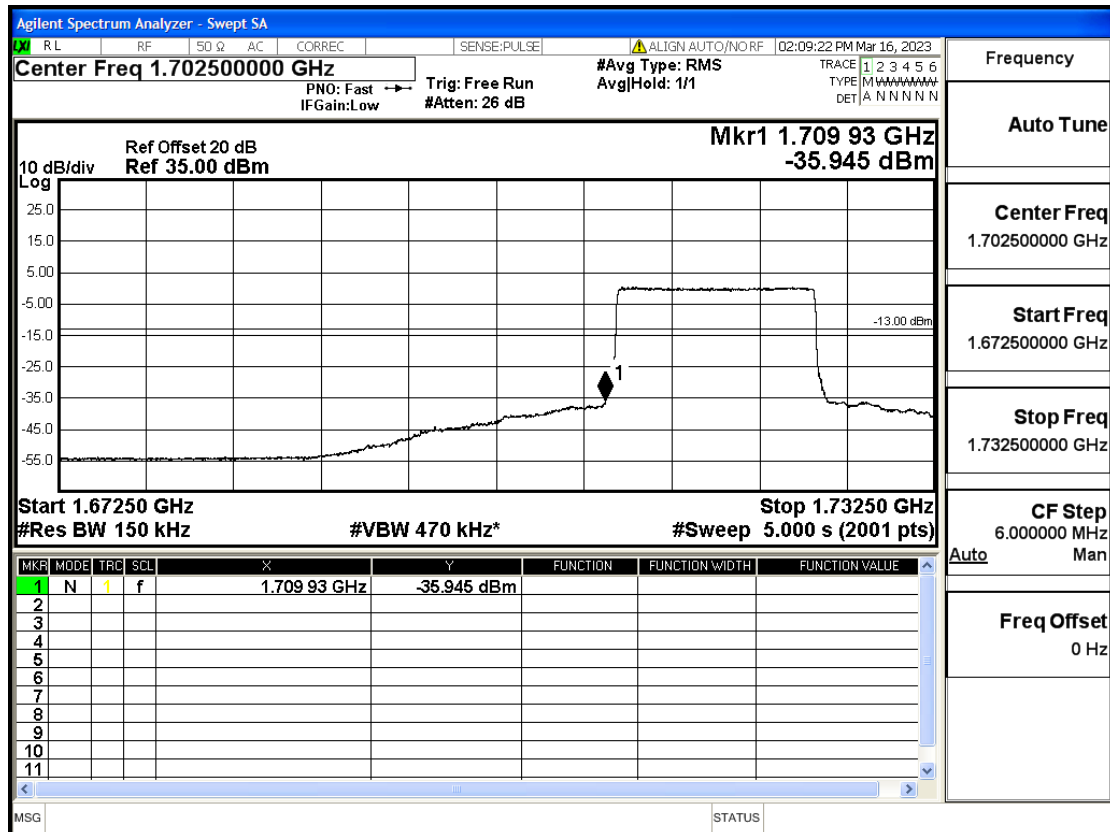
Band4-15-1717.5-QPSK-75#LOW@Pass



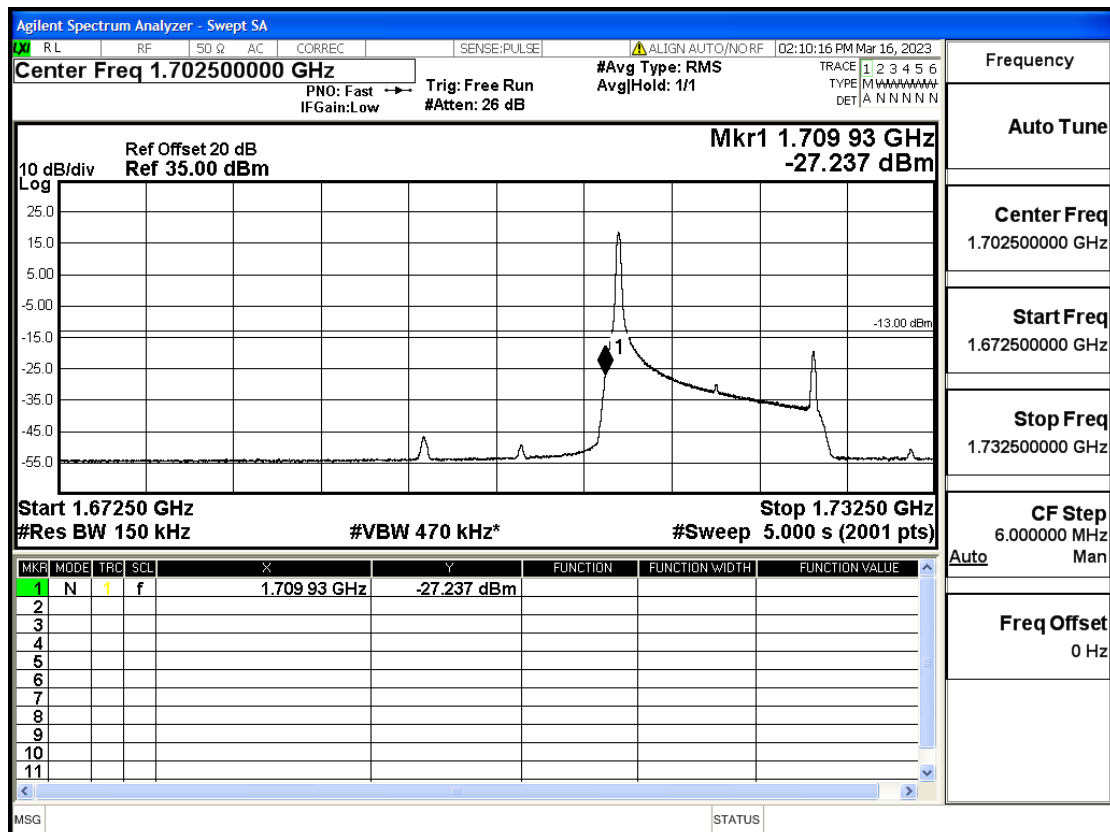
Band4-15-1717.5-QPSK-1#LOW@Pass



Band4-15-1717.5-16QAM-75#LOW@Pass



Band4-15-1717.5-16QAM-1#LOW@Pass



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN AUTO/NORF 03:10:55 PM Mar 16, 2023

Center Freq 1.762500000 GHz PNO: Fast IFGain:Low Trig: Free Run #Atten: 26 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 20 dB
Ref 35.00 dBm

Mkr1 1.755 08 GHz
-37.012 dBm

10 dB/div
Log

-13.00 dBm

Start 1.73250 GHz
#Res BW 150 kHz

Stop 1.79250 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	1.755 08 GHz	-37.012 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
1.762500000 GHz

Start Freq
1.732500000 GHz

Stop Freq
1.792500000 GHz

CF Step
6.000000 MHz

Man

Auto

Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA

R/L	RF	50 Ω	AC	CORREC	SENSE/PULSE	ALIGN AUTO/NORF	03:12:53 PM Mar 16, 2023
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Center Freq 1.762500000 GHz #Avg Type: RMS Trg: Free Run
 PNO: Fast IFGain: Low #Atten: 26 dB AvgHold: 1/1

Ref Offset 20 dB Mkr1 1.755 08 GHz
 Ref 35.00 dBm -28.915 dBm

Start 1.73250 GHz Stop 1.79250 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	f	f	1.755 08 GHz	-28.915 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

Frequency: Auto Tune
 Center Freq: 1.762500000 GHz
 Start Freq: 1.732500000 GHz
 Stop Freq: 1.792500000 GHz
 CF Step: 6.000000 MHz
 Freq Offset: 0 Hz

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN AUTO/NORF 03:13:20 PM Mar 16, 2023

Center Freq 1.762500000 GHz

PNO: Fast IFGain:Low Trig: Free Run #Atten: 26 dB

#Avg Type: RMS AvgHld: 1/1

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

Mkr1 1.755 08 GHz
-37.794 dBm

10 dB/div Ref Offset 20 dB
Log Ref 35.00 dBm

-13.00 dBm

Start 1.73250 GHz
#Res BW 150 kHz

Stop 1.79250 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	1.755 08 GHz	-37.794 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
1.762500000 GHz

Start Freq
1.732500000 GHz

Stop Freq
1.792500000 GHz

CF Step
6.000000 MHz

Man

Auto

Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE:PUSE ALIGN AUTO/NORF 03:14:33 PM Mar 16, 2023

Center Freq 1.762500000 GHz PNO: Fast IFGain:Low Trig: Free Run #Atten: 26 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 20 dB Mkr1 1.755 08 GHz
Ref 35.00 dBm -30.044 dBm

10 dB/div Log

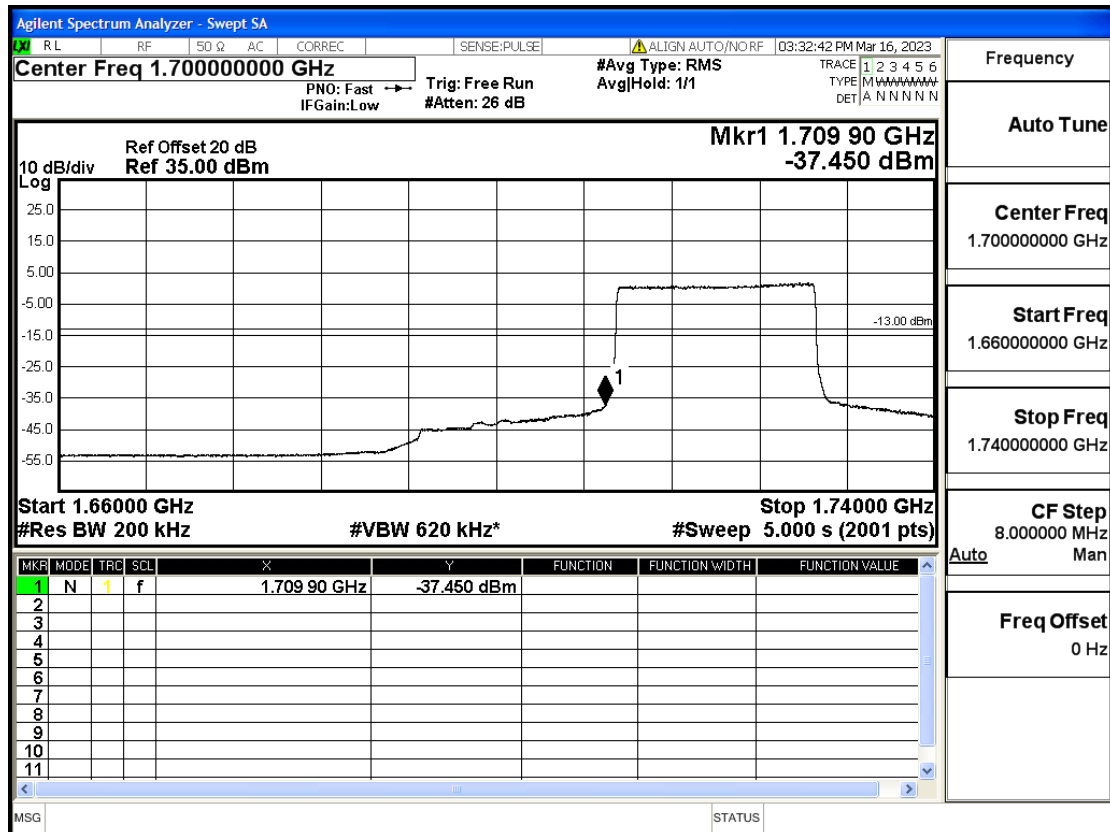
Start 1.73250 GHz Stop 1.79250 GHz
#Res BW 150 kHz #VBW 470 kHz* #Sweep 5.000 s (2001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.755 08 GHz	-30.044 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

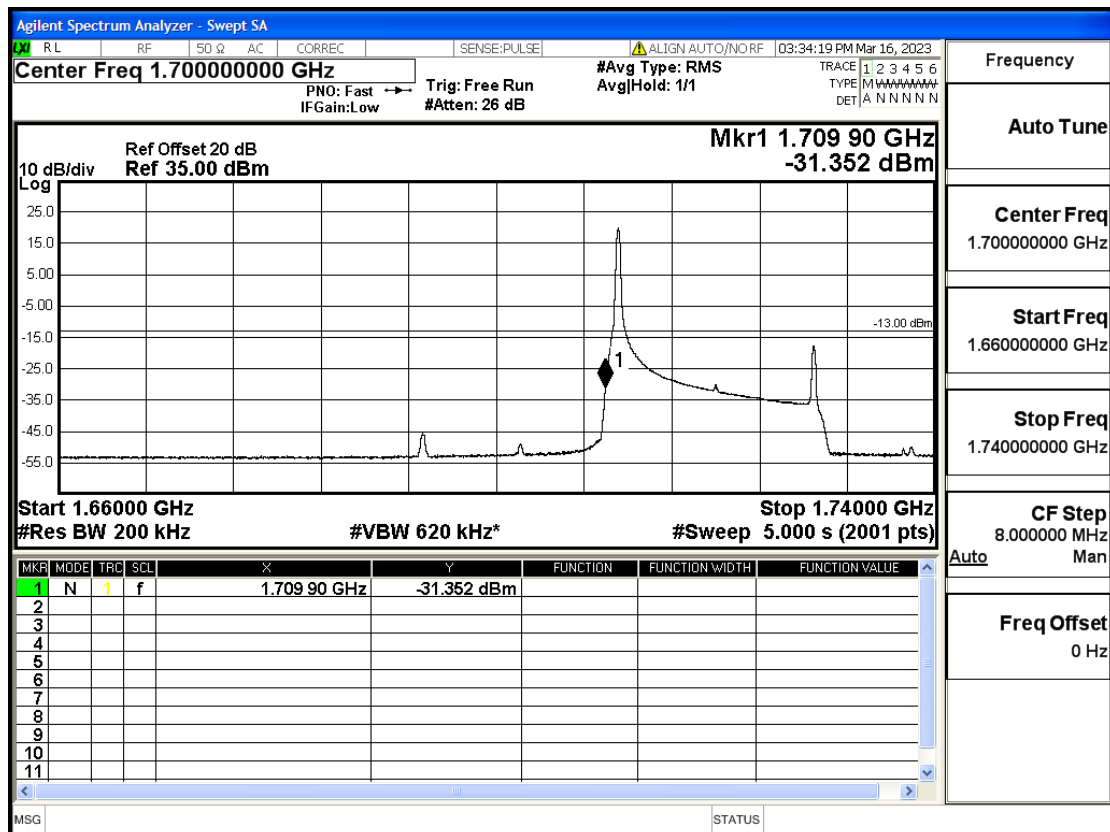
MSG STATUS

Frequency Auto Tune Center Freq 1.762500000 GHz Start Freq 1.732500000 GHz Stop Freq 1.792500000 GHz CF Step 6.000000 MHz Auto Man Freq Offset 0 Hz

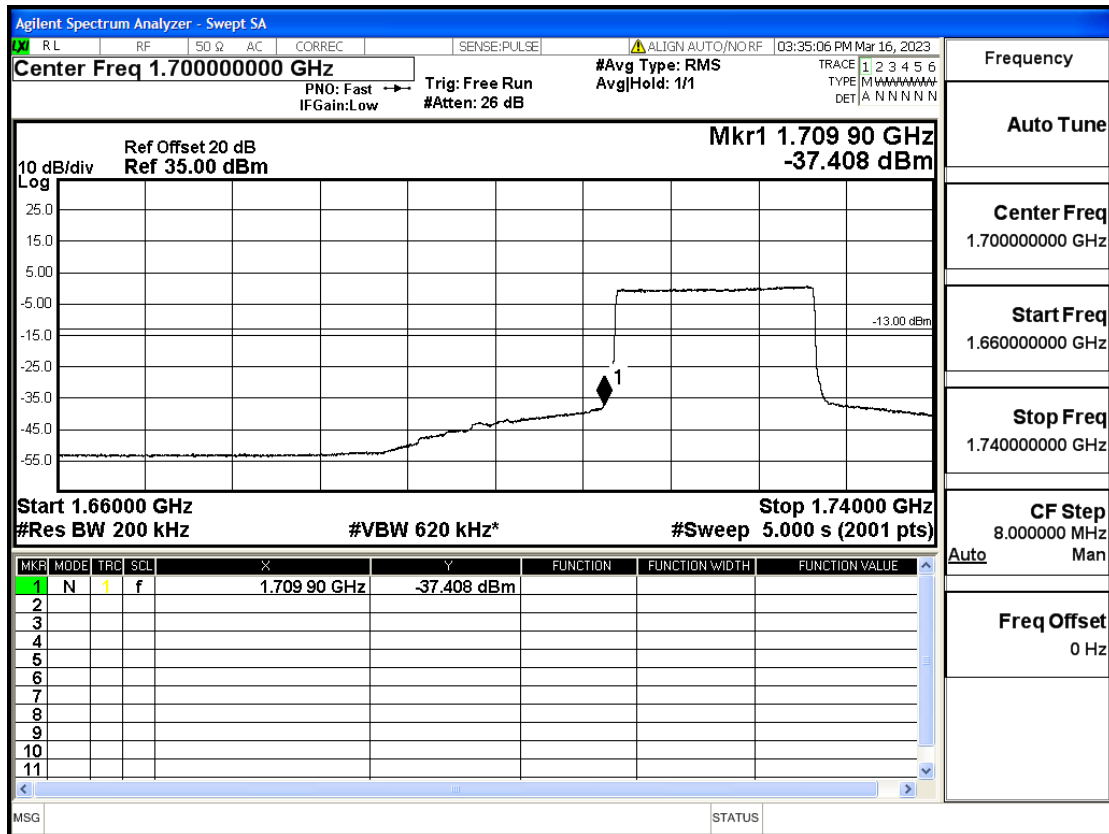
Band4-20-1720-QPSK-100#LOW@Pass



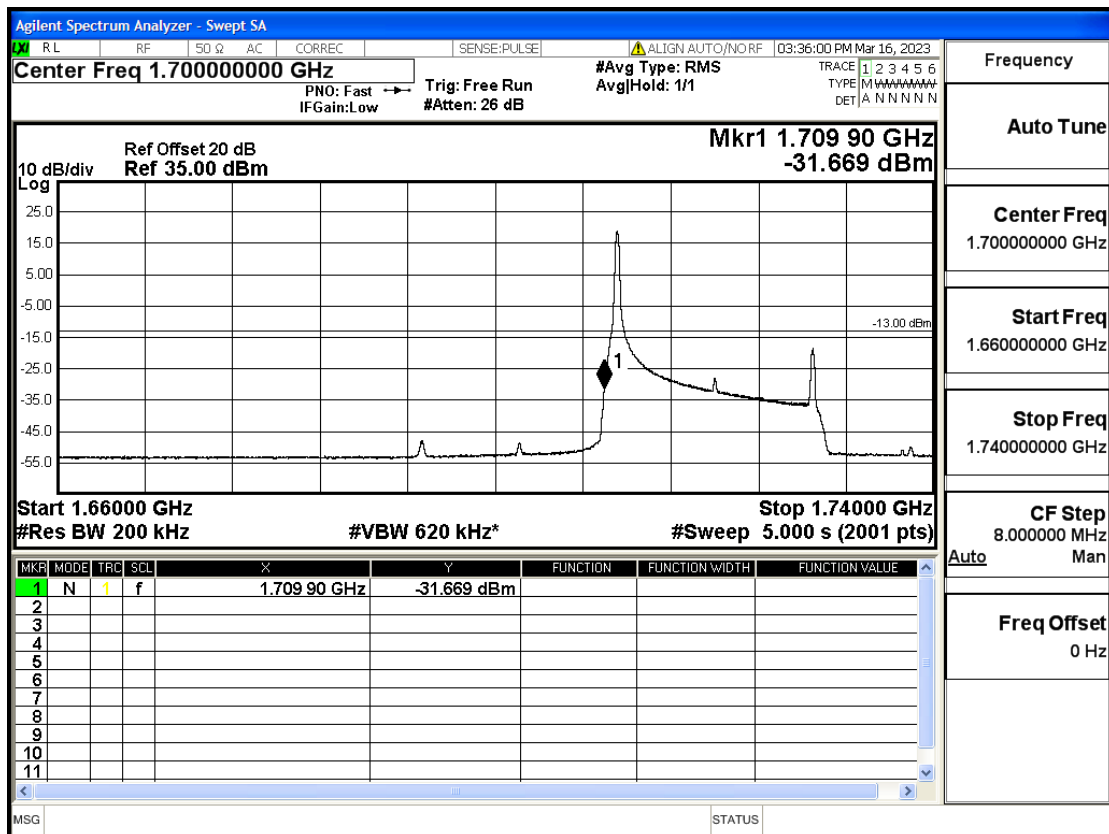
Band4-20-1720-QPSK-1#LOW@Pass



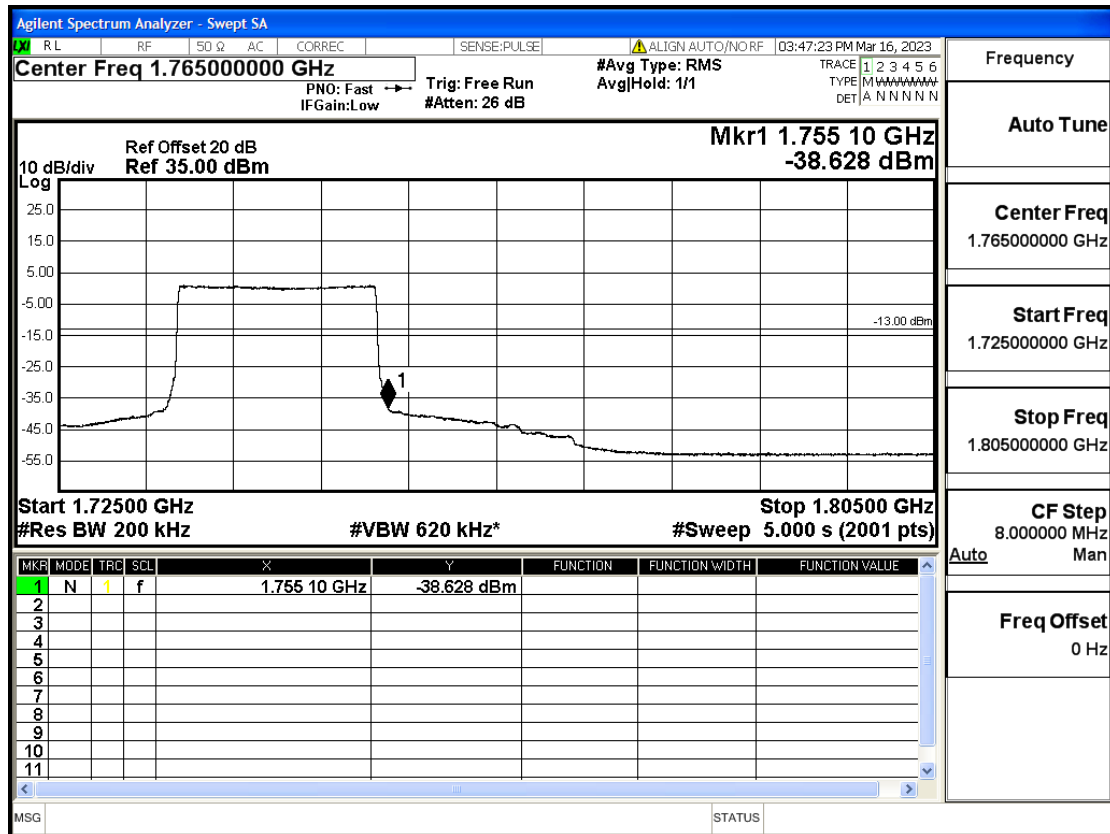
Band4-20-1720-16QAM-100#LOW@Pass



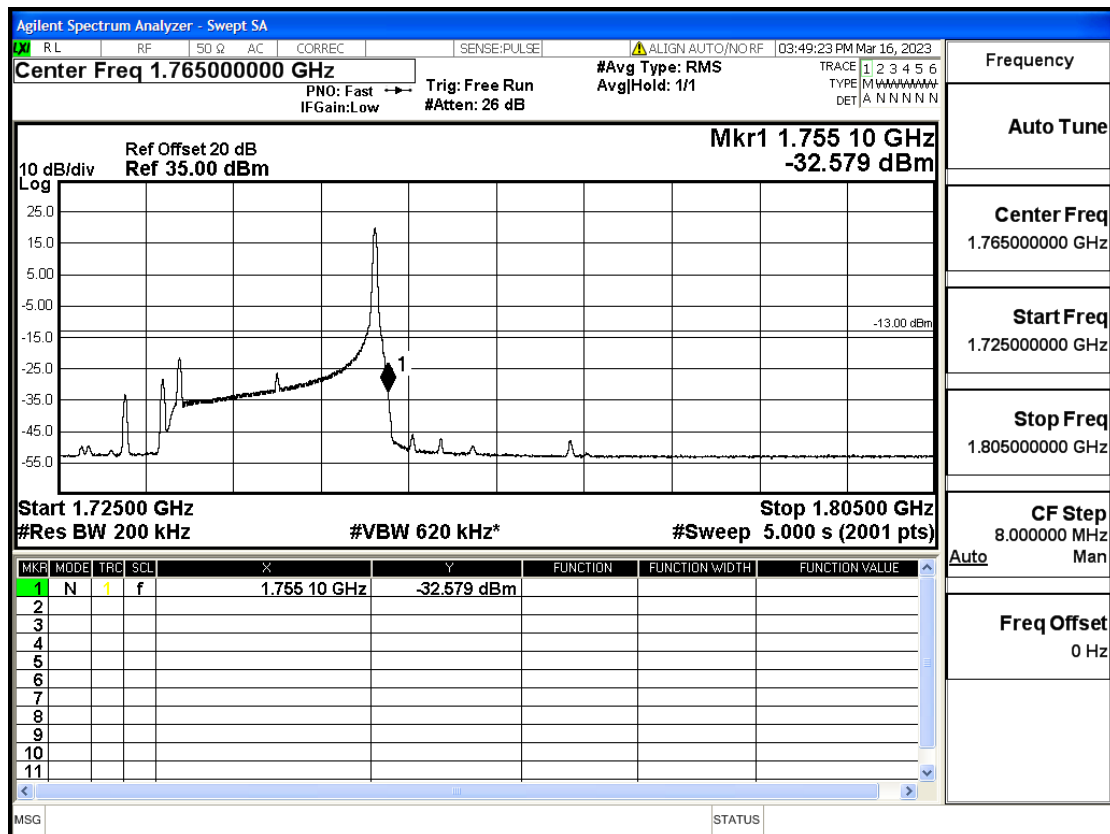
Band4-20-1720-16QAM-1#LOW@Pass

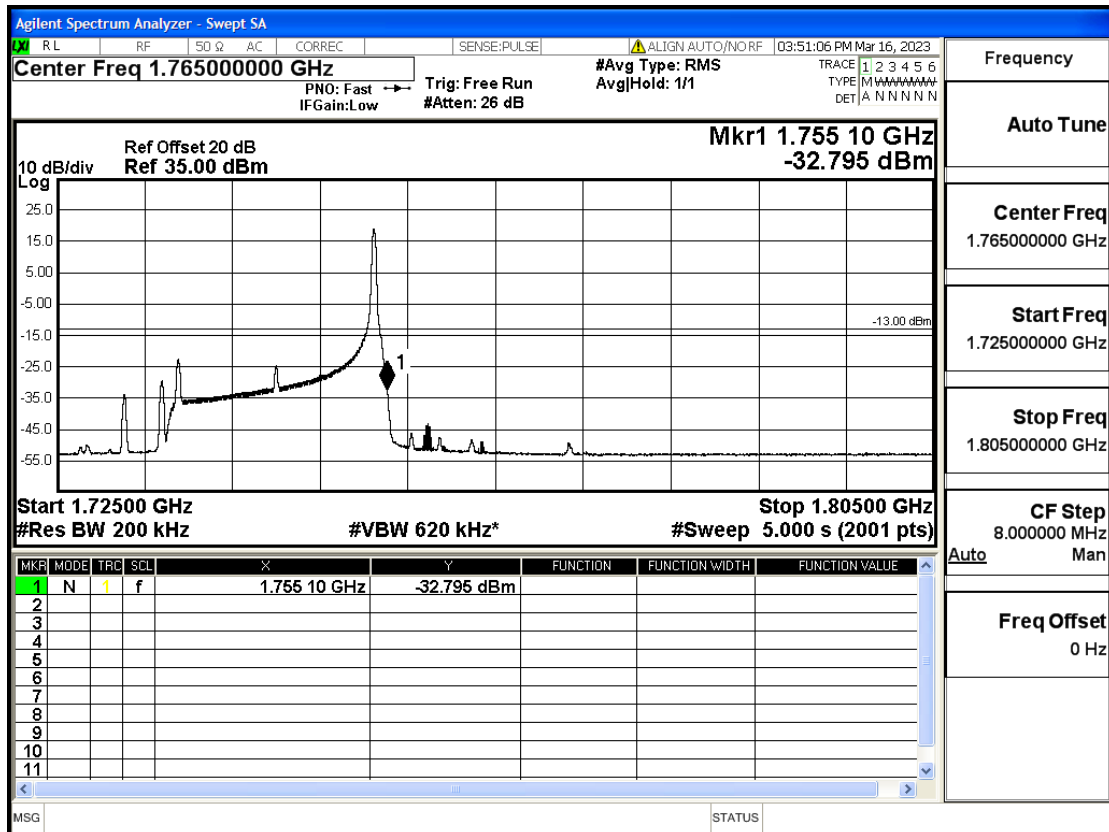
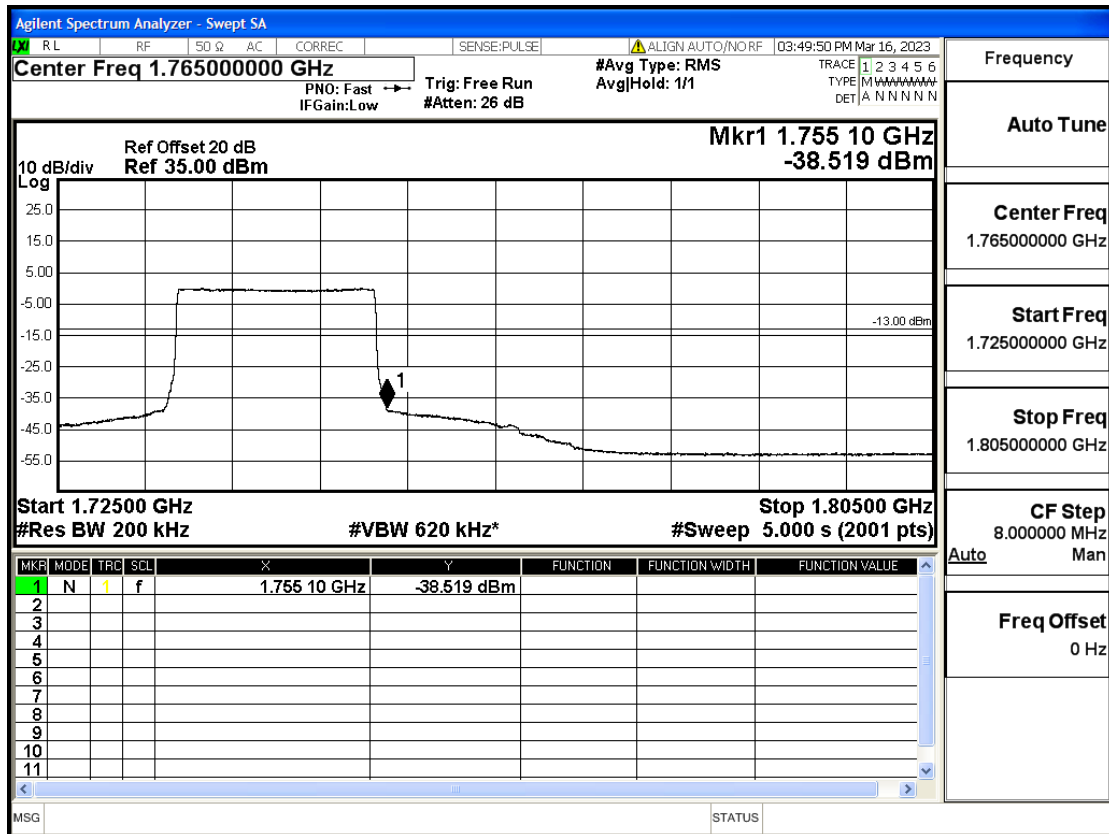


Band4-20-1745-QPSK-100#LOW@Pass



Band4-20-1745-QPSK-1#HIGH@Pass





Conducted Spurious Emission

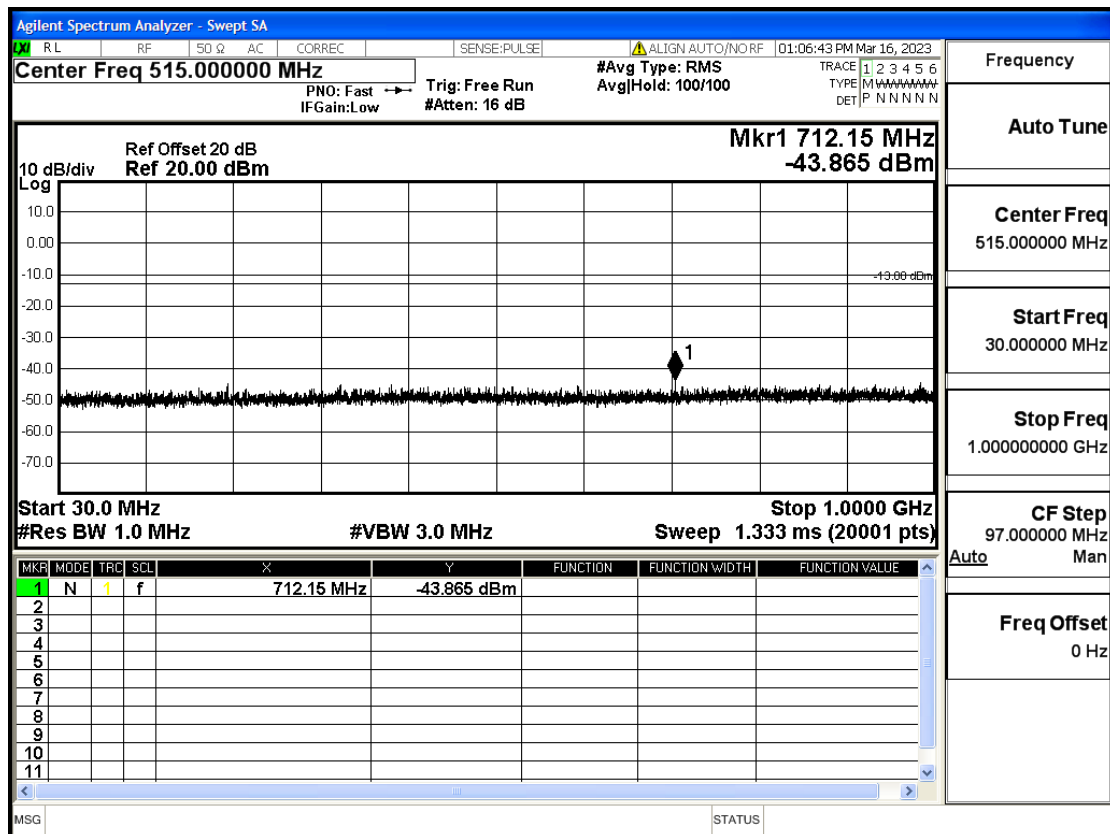
Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Test Condition	Transmitter Spurious Emission(Pass/Fail)
OB4	1.4	1710.7	QPSK	6	LOW	30mHz-1GHz	Pass
OB4	1.4	1710.7	QPSK	6	LOW	1GHz-7GHz	Pass
OB4	1.4	1710.7	QPSK	6	LOW	7GHz-13.6GHz	Pass
OB4	1.4	1710.7	QPSK	6	LOW	13.6GHz-20GHz	Pass
OB4	1.4	1732.5	QPSK	6	LOW	30mHz-1GHz	Pass
OB4	1.4	1732.5	QPSK	6	LOW	1GHz-7GHz	Pass
OB4	1.4	1732.5	QPSK	6	LOW	7GHz-13.6GHz	Pass
OB4	1.4	1732.5	QPSK	6	LOW	13.6GHz-20GHz	Pass
OB4	1.4	1754.3	QPSK	6	LOW	30mHz-1GHz	Pass
OB4	1.4	1754.3	QPSK	6	LOW	1GHz-7GHz	Pass
OB4	1.4	1754.3	QPSK	6	LOW	7GHz-13.6GHz	Pass
OB4	1.4	1754.3	QPSK	6	LOW	13.6GHz-20GHz	Pass
OB4	3	1711.5	QPSK	15	LOW	30mHz-1GHz	Pass
OB4	3	1711.5	QPSK	15	LOW	1GHz-7GHz	Pass
OB4	3	1711.5	QPSK	15	LOW	7GHz-13.6GHz	Pass
OB4	3	1711.5	QPSK	15	LOW	13.6GHz-20GHz	Pass
OB4	3	1732.5	QPSK	15	LOW	30mHz-1GHz	Pass
OB4	3	1732.5	QPSK	15	LOW	1GHz-7GHz	Pass
OB4	3	1732.5	QPSK	15	LOW	7GHz-13.6GHz	Pass
OB4	3	1732.5	QPSK	15	LOW	13.6GHz-20GHz	Pass
OB4	3	1753.5	QPSK	15	LOW	30mHz-1GHz	Pass
OB4	3	1753.5	QPSK	15	LOW	1GHz-7GHz	Pass
OB4	3	1753.5	QPSK	15	LOW	7GHz-13.6GHz	Pass
OB4	3	1753.5	QPSK	15	LOW	13.6GHz-20GHz	Pass
OB4	5	1712.5	QPSK	25	LOW	30mHz-1GHz	Pass
OB4	5	1712.5	QPSK	25	LOW	1GHz-7GHz	Pass
OB4	5	1712.5	QPSK	25	LOW	7GHz-13.6GHz	Pass
OB4	5	1712.5	QPSK	25	LOW	13.6GHz-20GHz	Pass
OB4	5	1732.5	QPSK	25	LOW	30mHz-1GHz	Pass
OB4	5	1732.5	QPSK	25	LOW	1GHz-7GHz	Pass
OB4	5	1732.5	QPSK	25	LOW	7GHz-13.6GHz	Pass
OB4	5	1732.5	QPSK	25	LOW	13.6GHz-20GHz	Pass
OB4	5	1752.5	QPSK	25	LOW	30mHz-1GHz	Pass
OB4	5	1752.5	QPSK	25	LOW	1GHz-7GHz	Pass
OB4	5	1752.5	QPSK	25	LOW	7GHz-13.6GHz	Pass
OB4	5	1752.5	QPSK	25	LOW	13.6GHz-20GHz	Pass
OB4	10	1715	QPSK	50	LOW	30mHz-1GHz	Pass
OB4	10	1715	QPSK	50	LOW	1GHz-7GHz	Pass
OB4	10	1715	QPSK	50	LOW	7GHz-13.6GHz	Pass
OB4	10	1715	QPSK	50	LOW	13.6GHz-20GHz	Pass

OB4	10	1732.5	QPSK	50	LOW	30mHz-1GHz	Pass
OB4	10	1732.5	QPSK	50	LOW	1GHz-7GHz	Pass
OB4	10	1732.5	QPSK	50	LOW	7GHz-13.6GHz	Pass
OB4	10	1732.5	QPSK	50	LOW	13.6GHz-20GHz	Pass
OB4	10	1750	QPSK	50	LOW	30mHz-1GHz	Pass
OB4	10	1750	QPSK	50	LOW	1GHz-7GHz	Pass
OB4	10	1750	QPSK	50	LOW	7GHz-13.6GHz	Pass
OB4	10	1750	QPSK	50	LOW	13.6GHz-20GHz	Pass
OB4	15	1717.5	QPSK	75	LOW	30mHz-1GHz	Pass
OB4	15	1717.5	QPSK	75	LOW	1GHz-7GHz	Pass
OB4	15	1717.5	QPSK	75	LOW	7GHz-13.6GHz	Pass
OB4	15	1717.5	QPSK	75	LOW	13.6GHz-20GHz	Pass
OB4	15	1732.5	QPSK	75	LOW	30mHz-1GHz	Pass
OB4	15	1732.5	QPSK	75	LOW	1GHz-7GHz	Pass
OB4	15	1732.5	QPSK	75	LOW	7GHz-13.6GHz	Pass
OB4	15	1732.5	QPSK	75	LOW	13.6GHz-20GHz	Pass
OB4	15	1747.5	QPSK	75	LOW	30mHz-1GHz	Pass
OB4	15	1747.5	QPSK	75	LOW	1GHz-7GHz	Pass
OB4	15	1747.5	QPSK	75	LOW	7GHz-13.6GHz	Pass
OB4	15	1747.5	QPSK	75	LOW	13.6GHz-20GHz	Pass
OB4	20	1720	QPSK	100	LOW	30mHz-1GHz	Pass
OB4	20	1720	QPSK	100	LOW	1GHz-7GHz	Pass
OB4	20	1720	QPSK	100	LOW	7GHz-13.6GHz	Pass
OB4	20	1720	QPSK	100	LOW	13.6GHz-20GHz	Pass
OB4	20	1732.5	QPSK	100	LOW	30mHz-1GHz	Pass
OB4	20	1732.5	QPSK	100	LOW	1GHz-7GHz	Pass
OB4	20	1732.5	QPSK	100	LOW	7GHz-13.6GHz	Pass
OB4	20	1732.5	QPSK	100	LOW	13.6GHz-20GHz	Pass
OB4	20	1745	QPSK	100	LOW	30mHz-1GHz	Pass
OB4	20	1745	QPSK	100	LOW	1GHz-7GHz	Pass
OB4	20	1745	QPSK	100	LOW	7GHz-13.6GHz	Pass
OB4	20	1745	QPSK	100	LOW	13.6GHz-20GHz	Pass
OB4	1.4	1710.7	Q16	6	LOW	30mHz-1GHz	Pass
OB4	1.4	1710.7	Q16	6	LOW	1GHz-7GHz	Pass
OB4	1.4	1710.7	Q16	6	LOW	7GHz-13.6GHz	Pass
OB4	1.4	1710.7	Q16	6	LOW	13.6GHz-20GHz	Pass
OB4	1.4	1732.5	Q16	6	LOW	30mHz-1GHz	Pass
OB4	1.4	1732.5	Q16	6	LOW	1GHz-7GHz	Pass
OB4	1.4	1732.5	Q16	6	LOW	7GHz-13.6GHz	Pass
OB4	1.4	1732.5	Q16	6	LOW	13.6GHz-20GHz	Pass
OB4	1.4	1754.3	Q16	6	LOW	30mHz-1GHz	Pass
OB4	1.4	1754.3	Q16	6	LOW	1GHz-7GHz	Pass
OB4	1.4	1754.3	Q16	6	LOW	7GHz-13.6GHz	Pass
OB4	1.4	1754.3	Q16	6	LOW	13.6GHz-20GHz	Pass
OB4	3	1711.5	Q16	15	LOW	30mHz-1GHz	Pass
OB4	3	1711.5	Q16	15	LOW	1GHz-7GHz	Pass

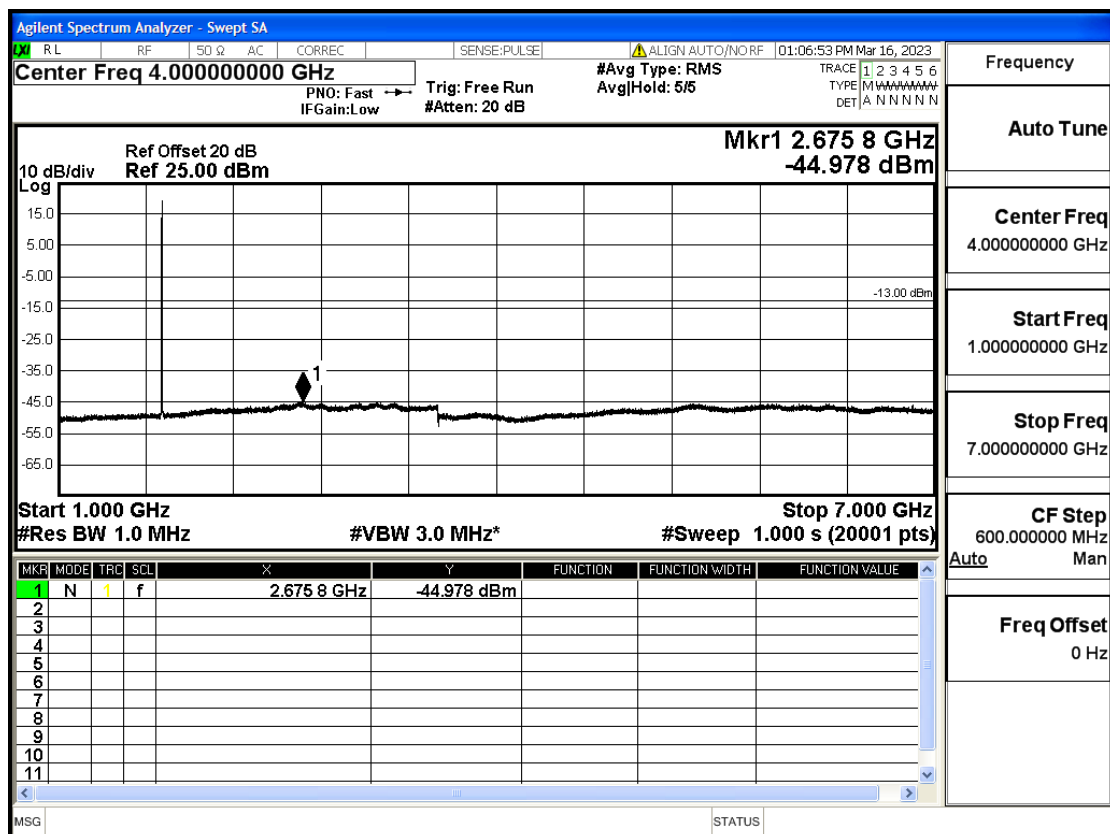
OB4	3	1711.5	Q16	15	LOW	7GHz-13.6GHz	Pass
OB4	3	1711.5	Q16	15	LOW	13.6GHz-20GHz	Pass
OB4	3	1732.5	Q16	15	LOW	30mHz-1GHz	Pass
OB4	3	1732.5	Q16	15	LOW	1GHz-7GHz	Pass
OB4	3	1732.5	Q16	15	LOW	7GHz-13.6GHz	Pass
OB4	3	1732.5	Q16	15	LOW	13.6GHz-20GHz	Pass
OB4	3	1753.5	Q16	15	LOW	30mHz-1GHz	Pass
OB4	3	1753.5	Q16	15	LOW	1GHz-7GHz	Pass
OB4	3	1753.5	Q16	15	LOW	7GHz-13.6GHz	Pass
OB4	3	1753.5	Q16	15	LOW	13.6GHz-20GHz	Pass
OB4	5	1712.5	Q16	25	LOW	30mHz-1GHz	Pass
OB4	5	1712.5	Q16	25	LOW	1GHz-7GHz	Pass
OB4	5	1712.5	Q16	25	LOW	7GHz-13.6GHz	Pass
OB4	5	1712.5	Q16	25	LOW	13.6GHz-20GHz	Pass
OB4	5	1732.5	Q16	25	LOW	30mHz-1GHz	Pass
OB4	5	1732.5	Q16	25	LOW	1GHz-7GHz	Pass
OB4	5	1732.5	Q16	25	LOW	7GHz-13.6GHz	Pass
OB4	5	1732.5	Q16	25	LOW	13.6GHz-20GHz	Pass
OB4	5	1752.5	Q16	25	LOW	30mHz-1GHz	Pass
OB4	5	1752.5	Q16	25	LOW	1GHz-7GHz	Pass
OB4	5	1752.5	Q16	25	LOW	7GHz-13.6GHz	Pass
OB4	5	1752.5	Q16	25	LOW	13.6GHz-20GHz	Pass
OB4	10	1715	Q16	50	LOW	30mHz-1GHz	Pass
OB4	10	1715	Q16	50	LOW	1GHz-7GHz	Pass
OB4	10	1715	Q16	50	LOW	7GHz-13.6GHz	Pass
OB4	10	1715	Q16	50	LOW	13.6GHz-20GHz	Pass
OB4	10	1732.5	Q16	50	LOW	30mHz-1GHz	Pass
OB4	10	1732.5	Q16	50	LOW	1GHz-7GHz	Pass
OB4	10	1732.5	Q16	50	LOW	7GHz-13.6GHz	Pass
OB4	10	1732.5	Q16	50	LOW	13.6GHz-20GHz	Pass
OB4	10	1750	Q16	50	LOW	30mHz-1GHz	Pass
OB4	10	1750	Q16	50	LOW	1GHz-7GHz	Pass
OB4	10	1750	Q16	50	LOW	7GHz-13.6GHz	Pass
OB4	10	1750	Q16	50	LOW	13.6GHz-20GHz	Pass
OB4	15	1717.5	Q16	75	LOW	30mHz-1GHz	Pass
OB4	15	1717.5	Q16	75	LOW	1GHz-7GHz	Pass
OB4	15	1717.5	Q16	75	LOW	7GHz-13.6GHz	Pass
OB4	15	1717.5	Q16	75	LOW	13.6GHz-20GHz	Pass
OB4	15	1732.5	Q16	75	LOW	30mHz-1GHz	Pass
OB4	15	1732.5	Q16	75	LOW	1GHz-7GHz	Pass
OB4	15	1732.5	Q16	75	LOW	7GHz-13.6GHz	Pass
OB4	15	1732.5	Q16	75	LOW	13.6GHz-20GHz	Pass
OB4	15	1747.5	Q16	75	LOW	30mHz-1GHz	Pass
OB4	15	1747.5	Q16	75	LOW	1GHz-7GHz	Pass
OB4	15	1747.5	Q16	75	LOW	7GHz-13.6GHz	Pass
OB4	15	1747.5	Q16	75	LOW	13.6GHz-20GHz	Pass

OB4	20	1720	Q16	100	LOW	30mHz-1GHz	Pass
OB4	20	1720	Q16	100	LOW	1GHz-7GHz	Pass
OB4	20	1720	Q16	100	LOW	7GHz-13.6GHz	Pass
OB4	20	1720	Q16	100	LOW	13.6GHz-20GHz	Pass
OB4	20	1732.5	Q16	100	LOW	30mHz-1GHz	Pass
OB4	20	1732.5	Q16	100	LOW	1GHz-7GHz	Pass
OB4	20	1732.5	Q16	100	LOW	7GHz-13.6GHz	Pass
OB4	20	1732.5	Q16	100	LOW	13.6GHz-20GHz	Pass
OB4	20	1745	Q16	100	LOW	30mHz-1GHz	Pass
OB4	20	1745	Q16	100	LOW	1GHz-7GHz	Pass
OB4	20	1745	Q16	100	LOW	7GHz-13.6GHz	Pass
OB4	20	1745	Q16	100	LOW	13.6GHz-20GHz	Pass

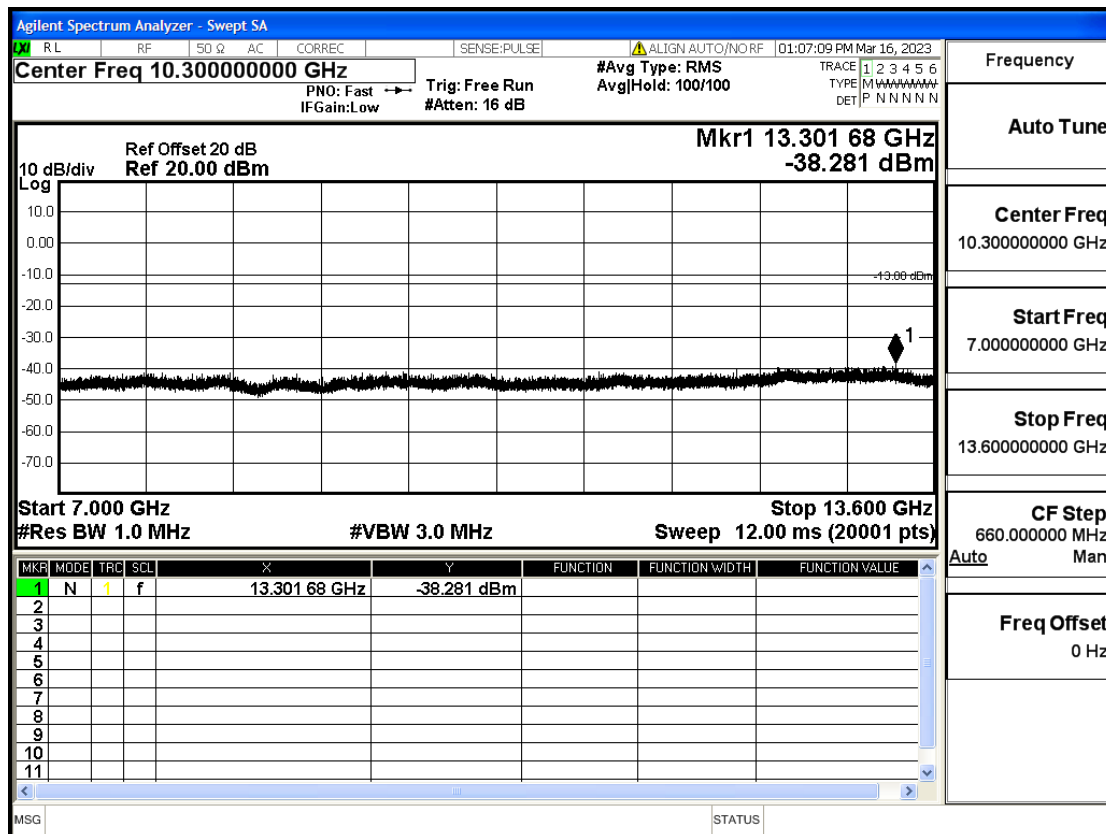
OB4-1.4-1710.7-QPSK-6#LOW@30mHz-1GHz@Pass



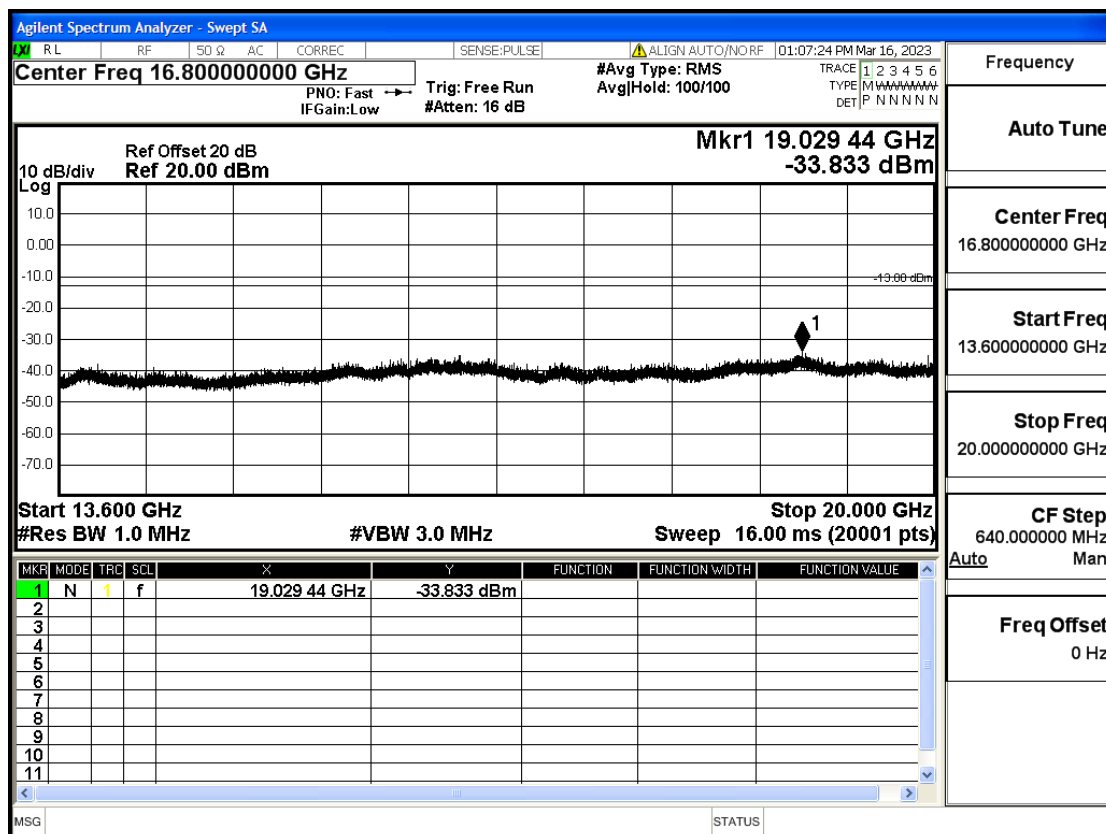
OB4-1.4-1710.7-QPSK-6#LOW@1GHz-7GHz@Pass



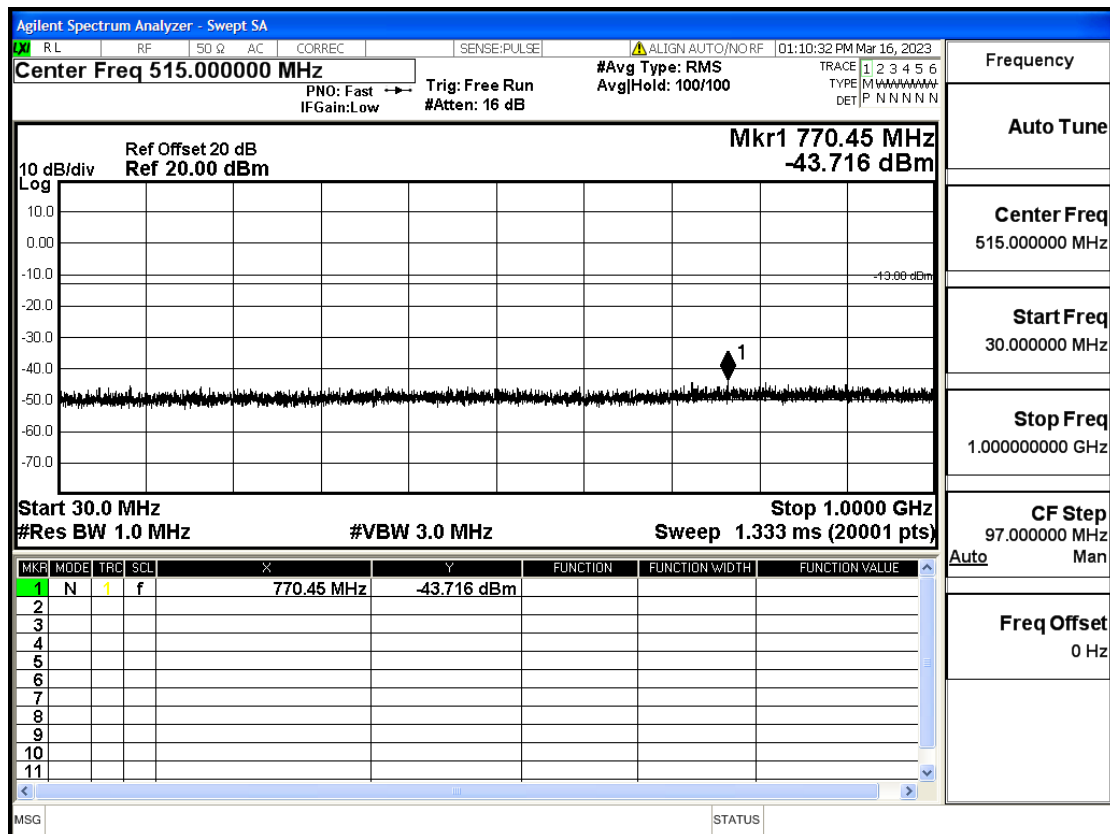
OB4-1.4-1710.7-QPSK-6#LOW@7GHz-13.6GHz@Pass



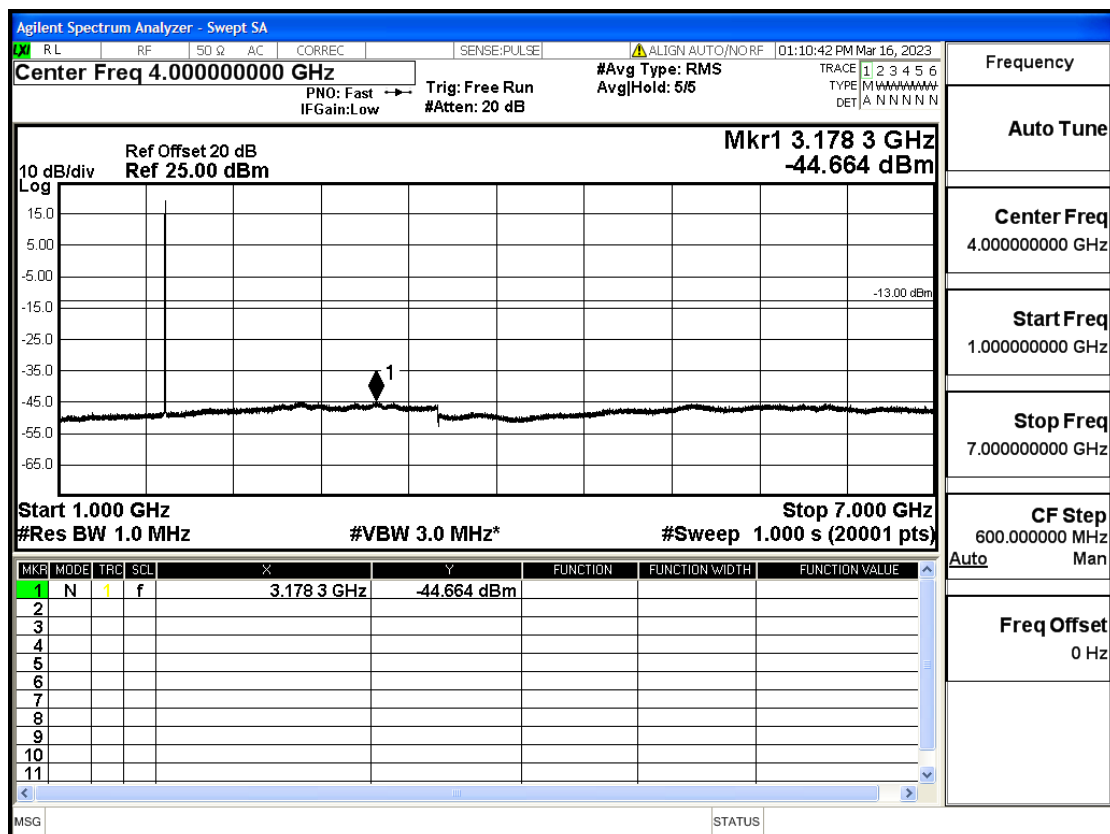
OB4-1.4-1710.7-QPSK-6#LOW@13.6GHz-20GHz@Pass



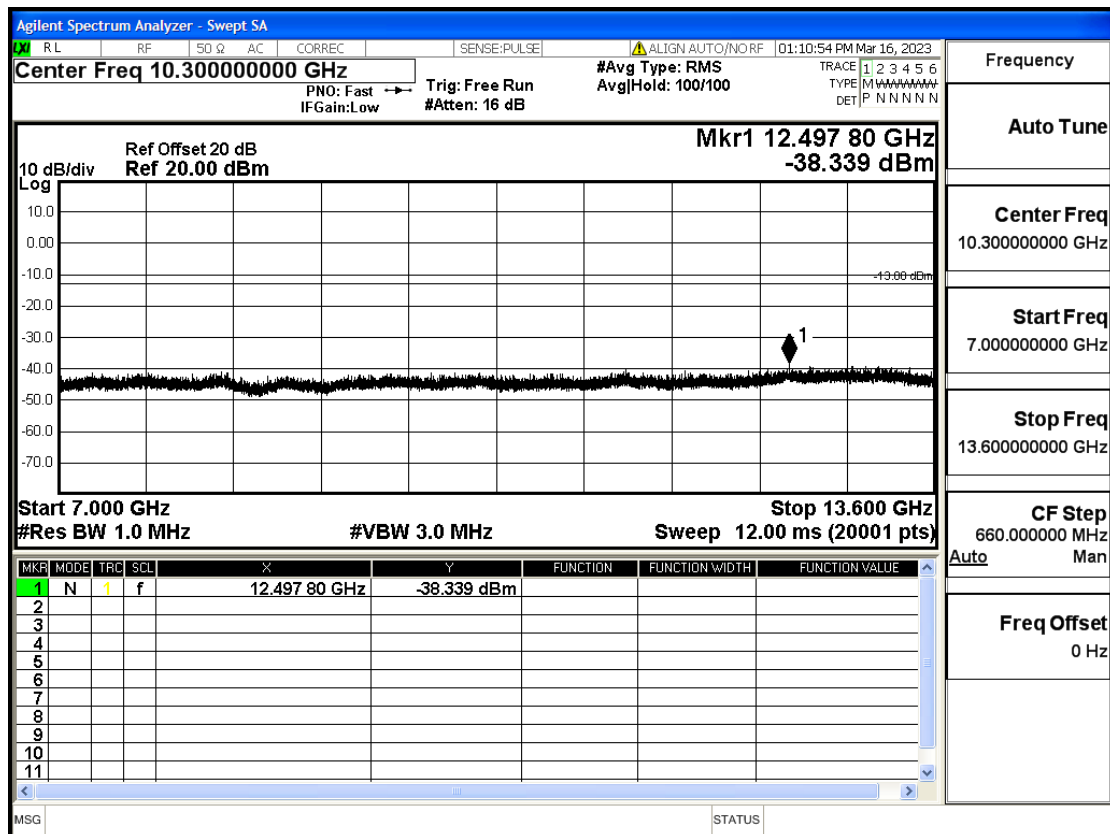
OB4-1.4-1732.5-QPSK-6#LOW@30mHz-1GHz@Pass



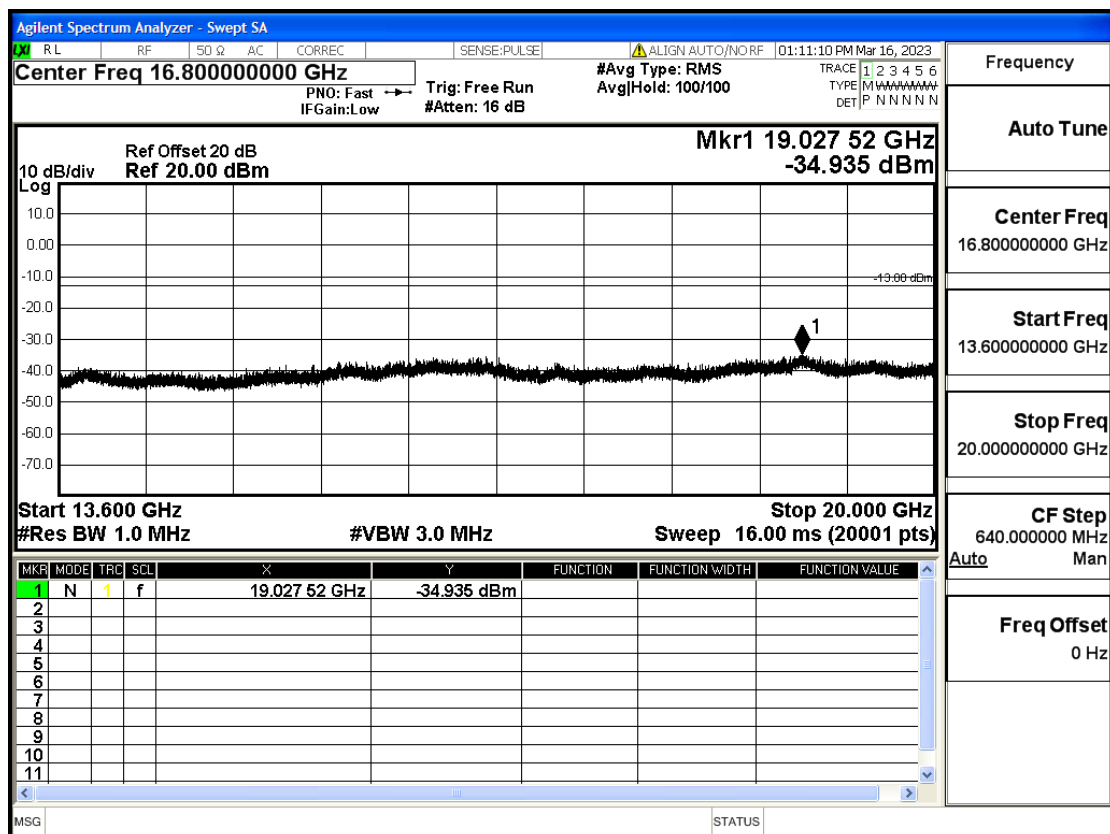
OB4-1.4-1732.5-QPSK-6#LOW@1GHz-7GHz@Pass



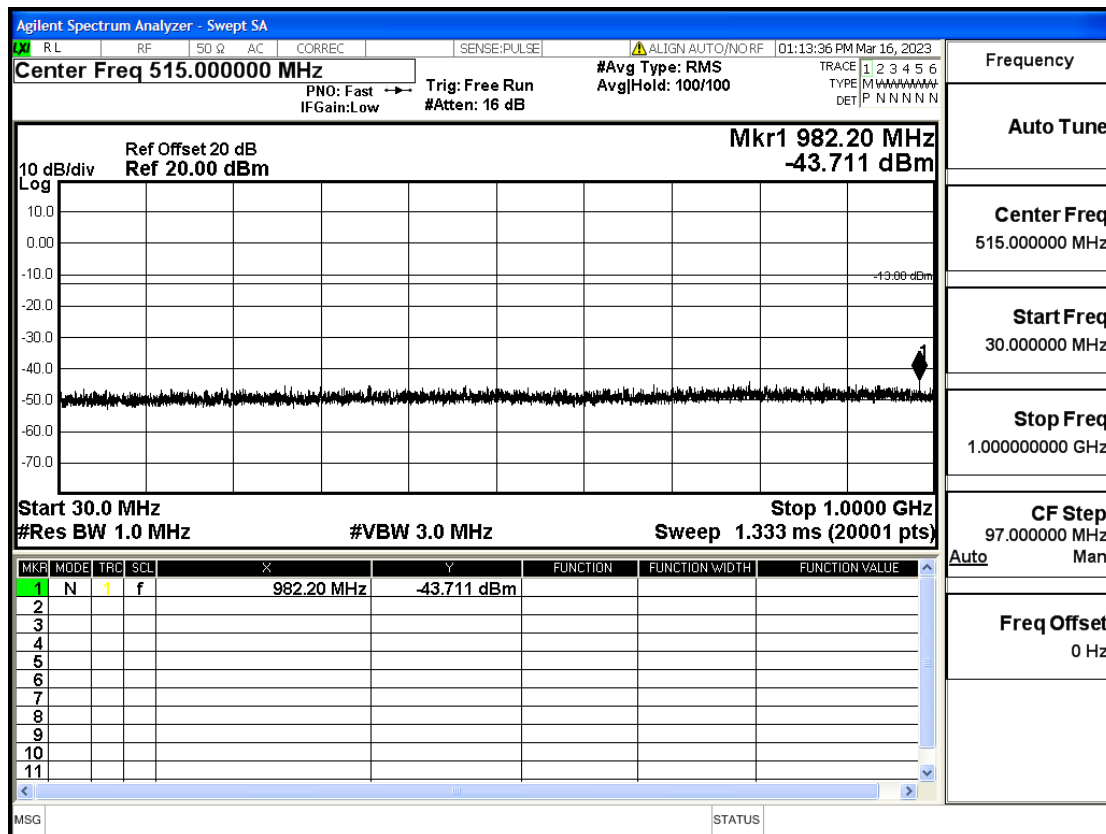
OB4-1.4-1732.5-QPSK-6#LOW@7GHz-13.6GHz@Pass



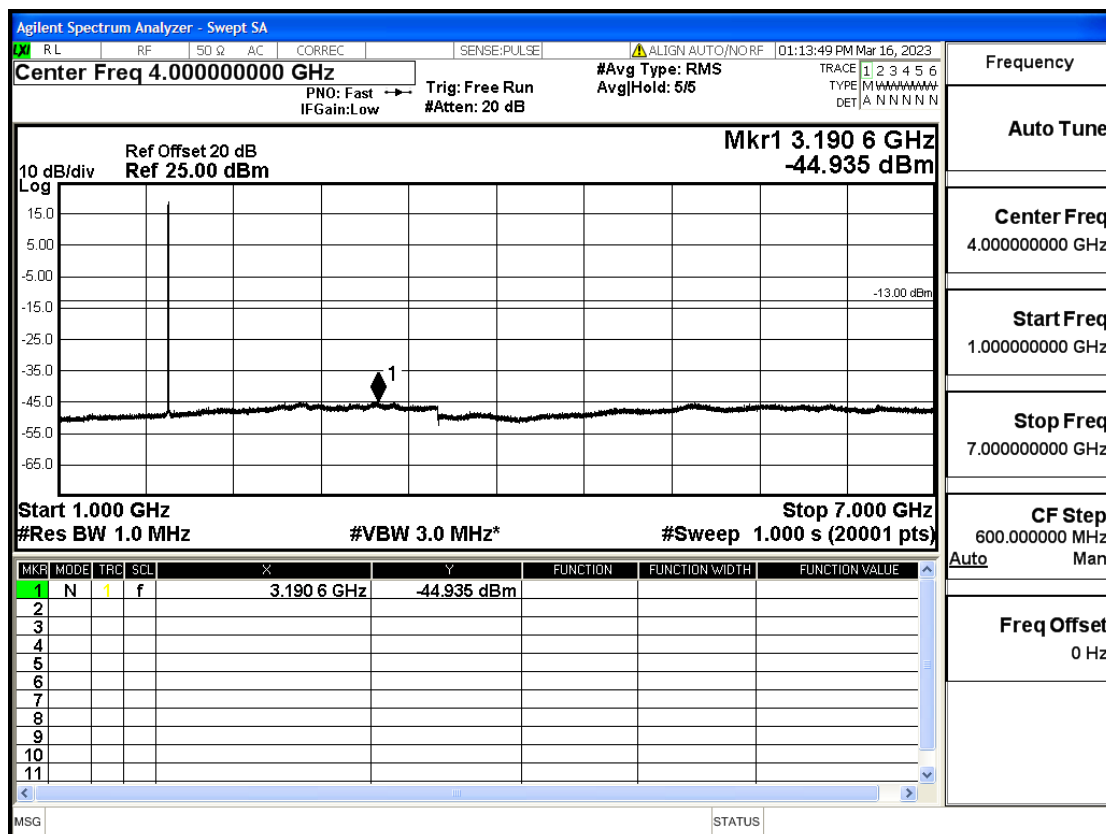
OB4-1.4-1732.5-QPSK-6#LOW@13.6GHz-20GHz@Pass



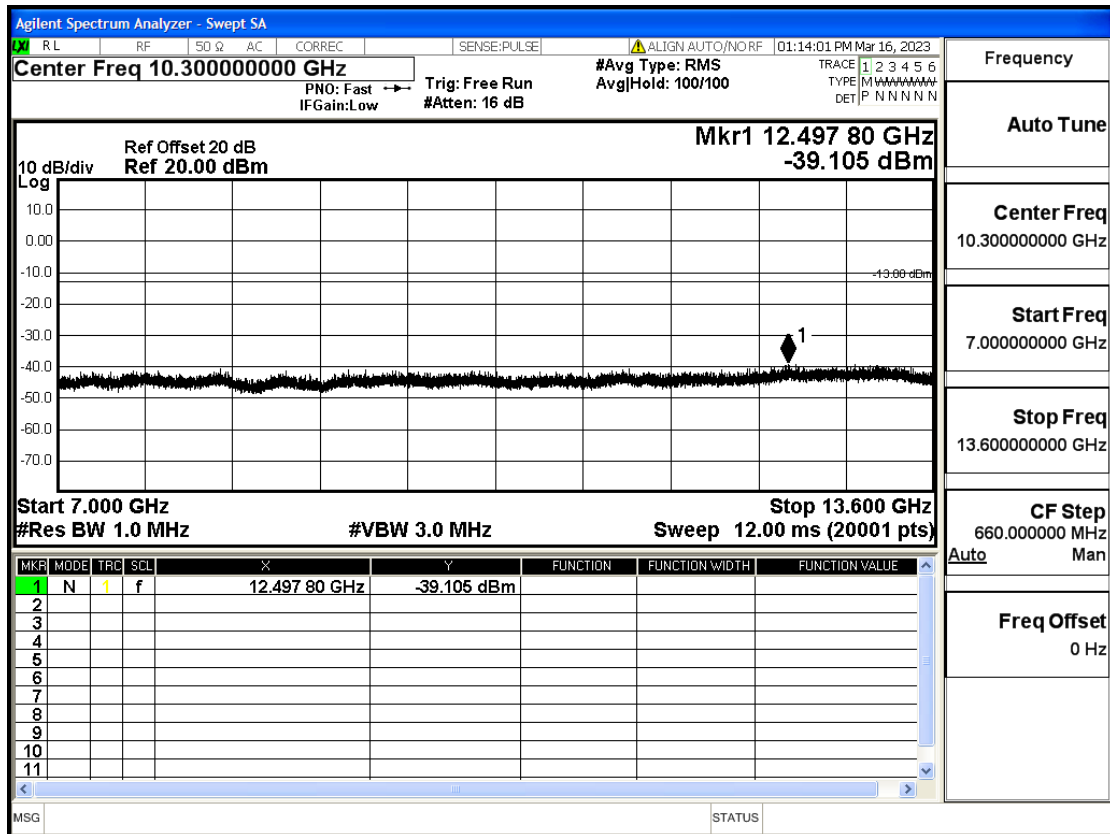
OB4-1.4-1754.3-QPSK-6#LOW@30mHz-1GHz@Pass



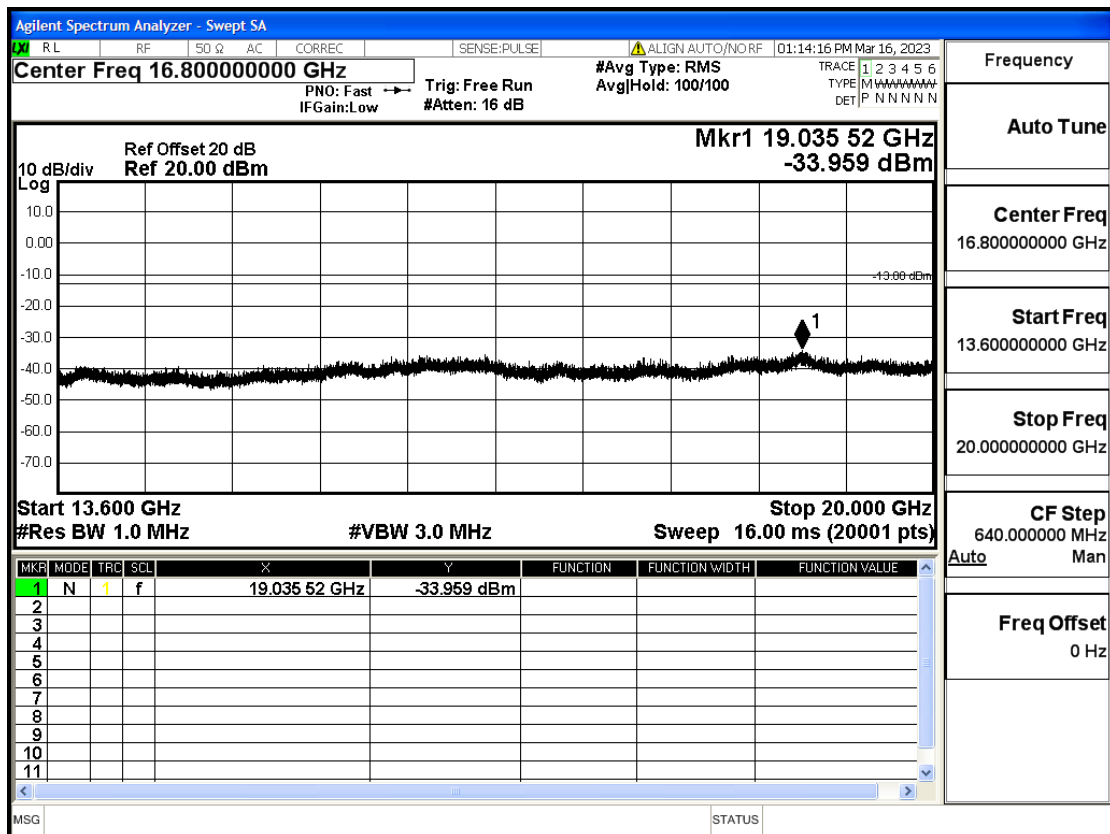
OB4-1.4-1754.3-QPSK-6#LOW@1GHz-7GHz@Pass



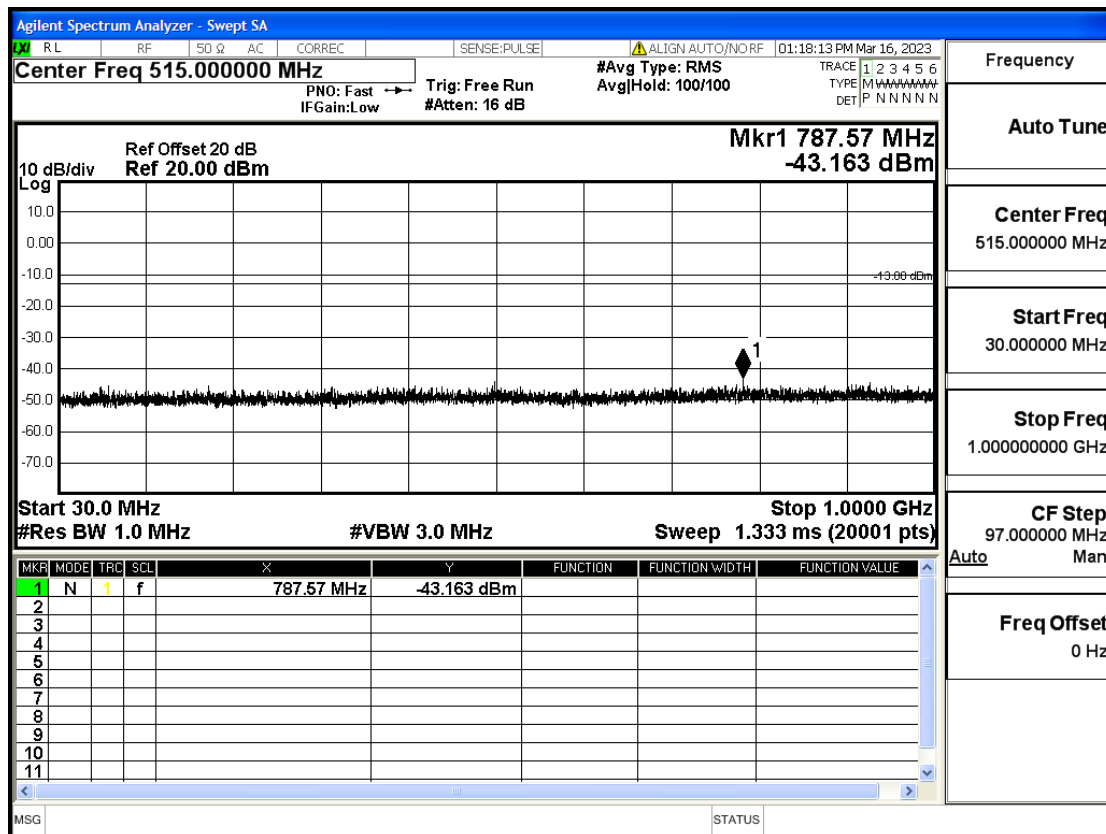
OB4-1.4-1754.3-QPSK-6#LOW@7GHz-13.6GHz@Pass



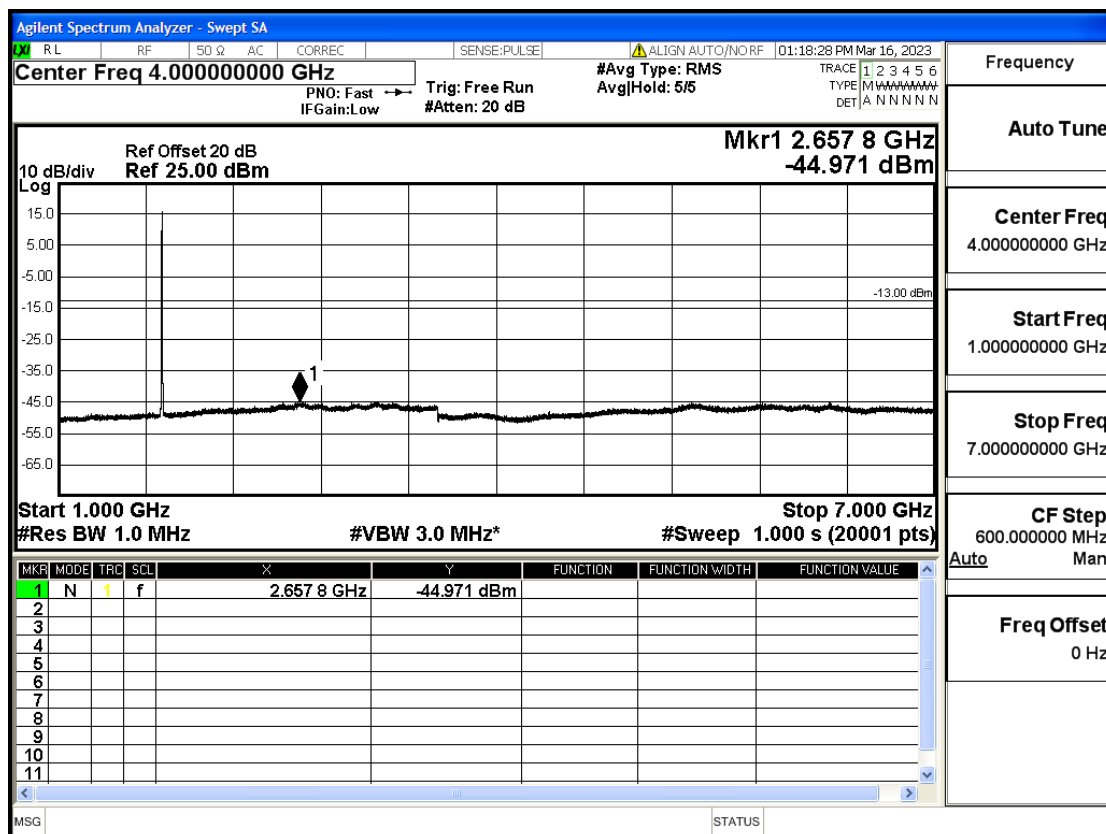
OB4-1.4-1754.3-QPSK-6#LOW@13.6GHz-20GHz@Pass



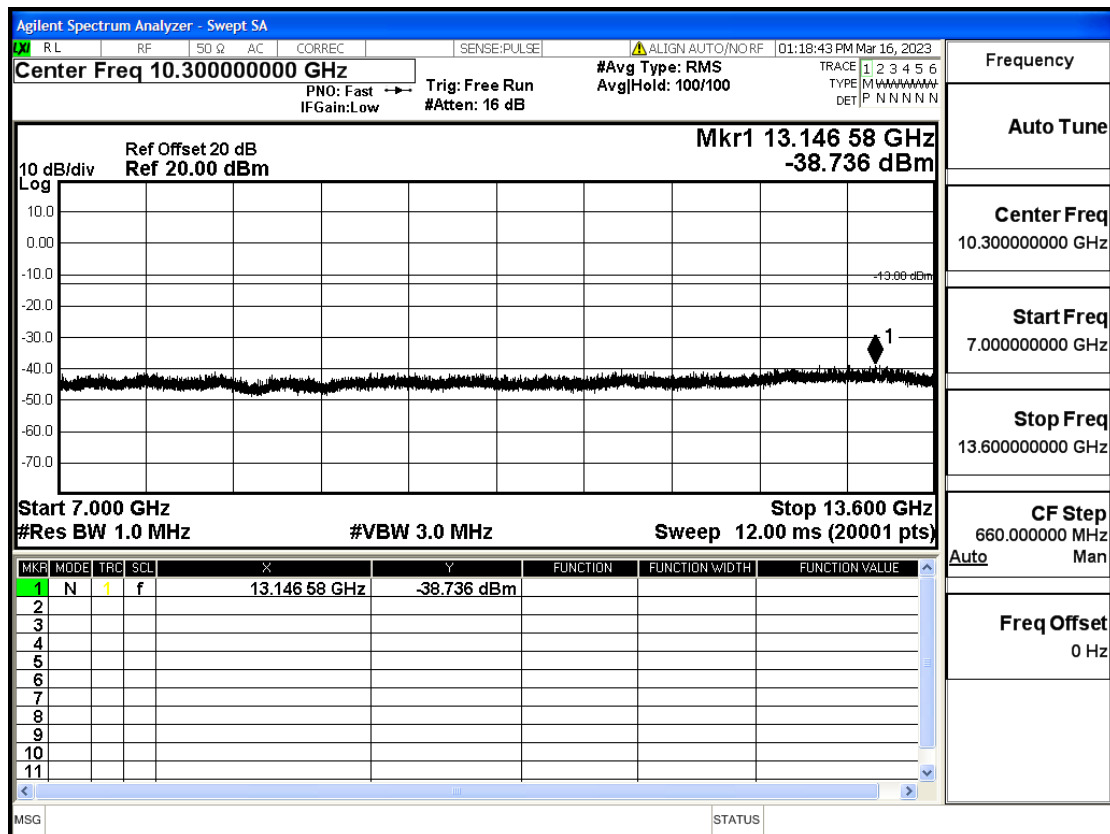
OB4-3-1711.5-QPSK-15#LOW@30mHz-1GHz@Pass



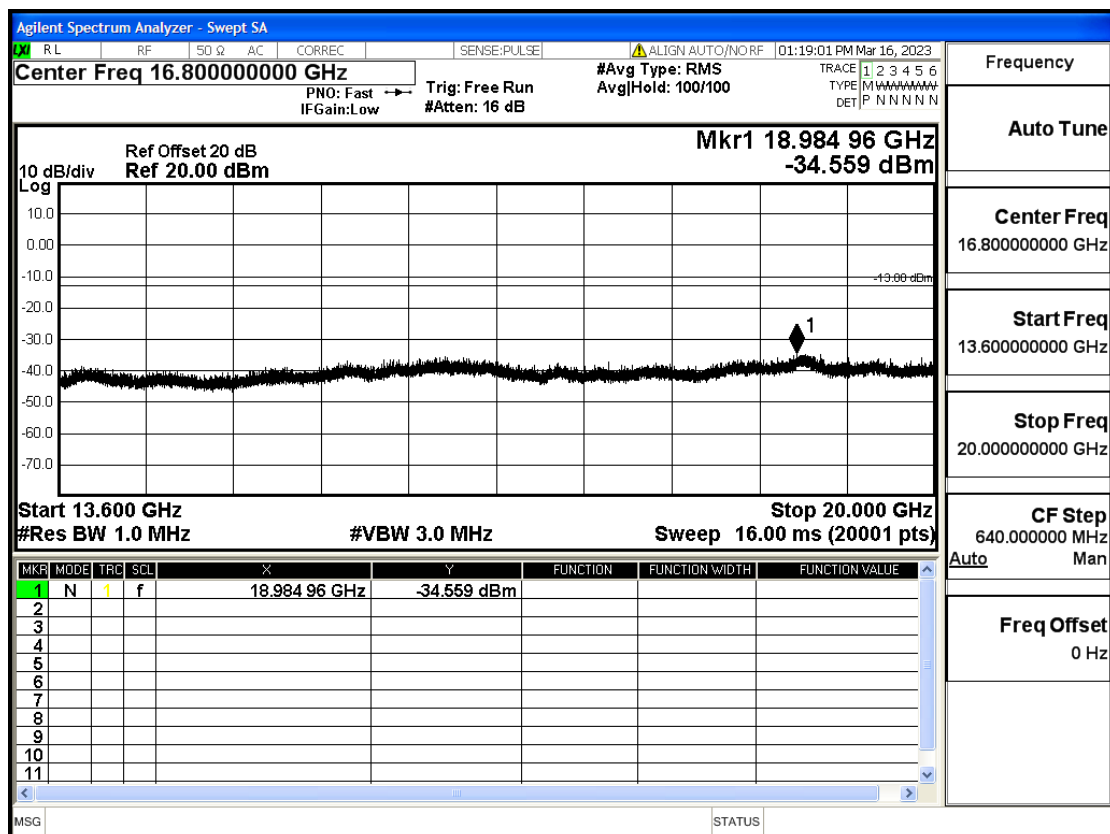
OB4-3-1711.5-QPSK-15#LOW@1GHz-7GHz@Pass



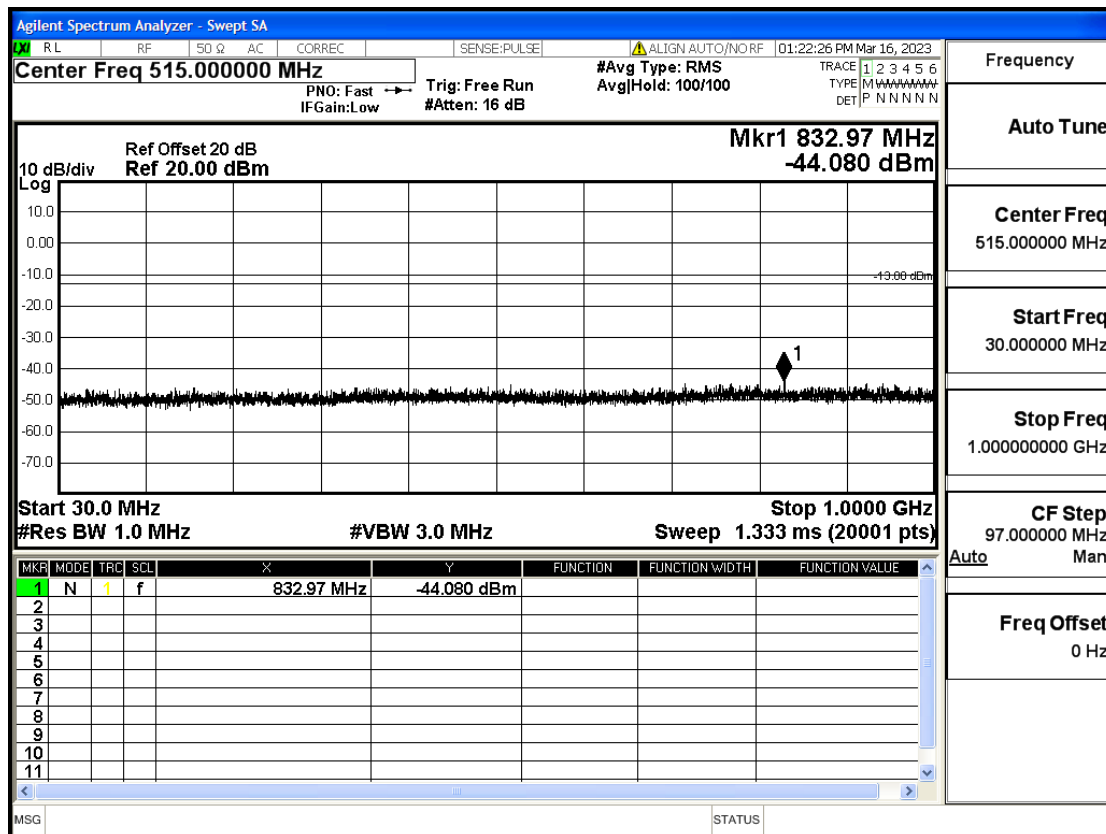
OB4-3-1711.5-QPSK-15#LOW@7GHz-13.6GHz@Pass



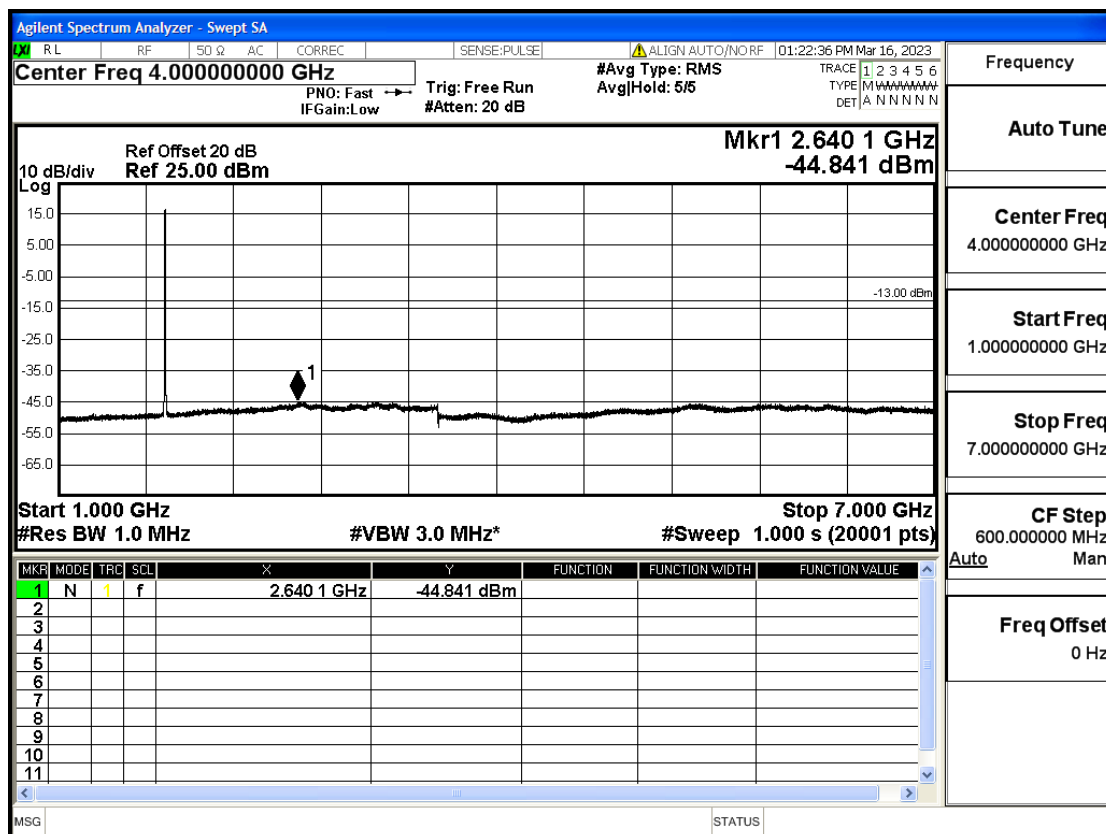
OB4-3-1711.5-QPSK-15#LOW@13.6GHz-20GHz@Pass



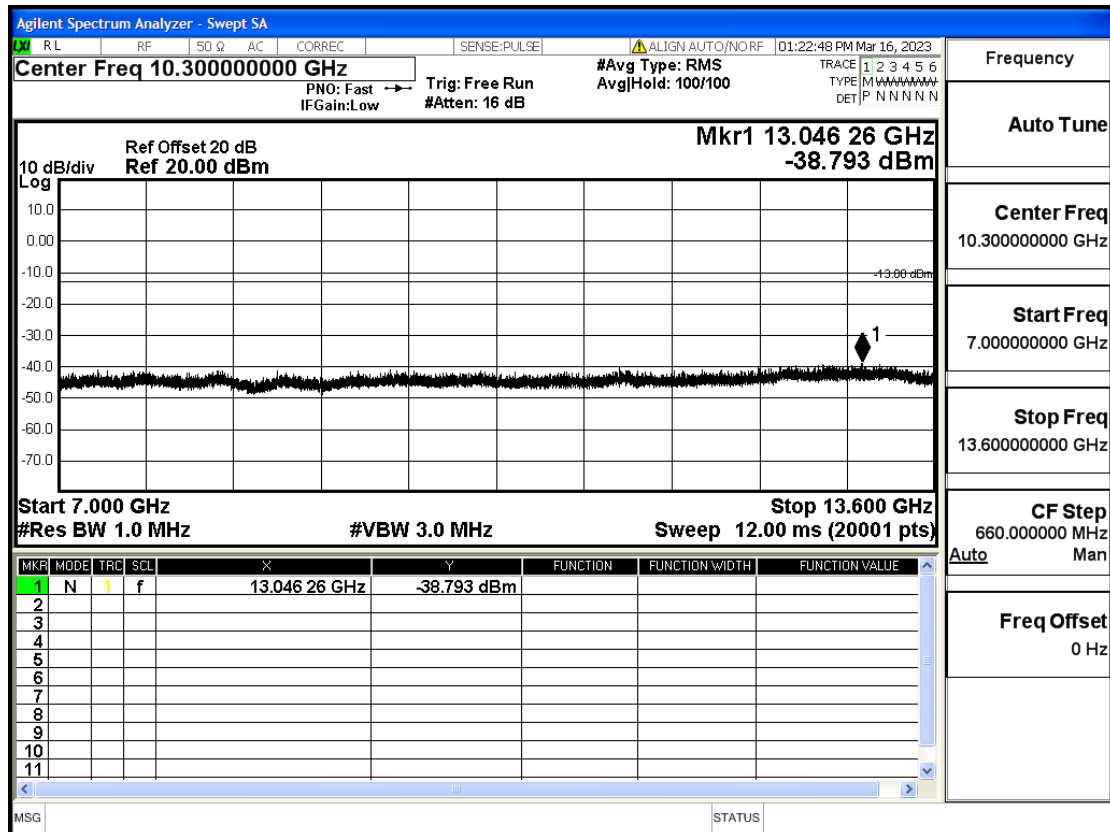
OB4-3-1732.5-QPSK-15#LOW@30mHz-1GHz@Pass



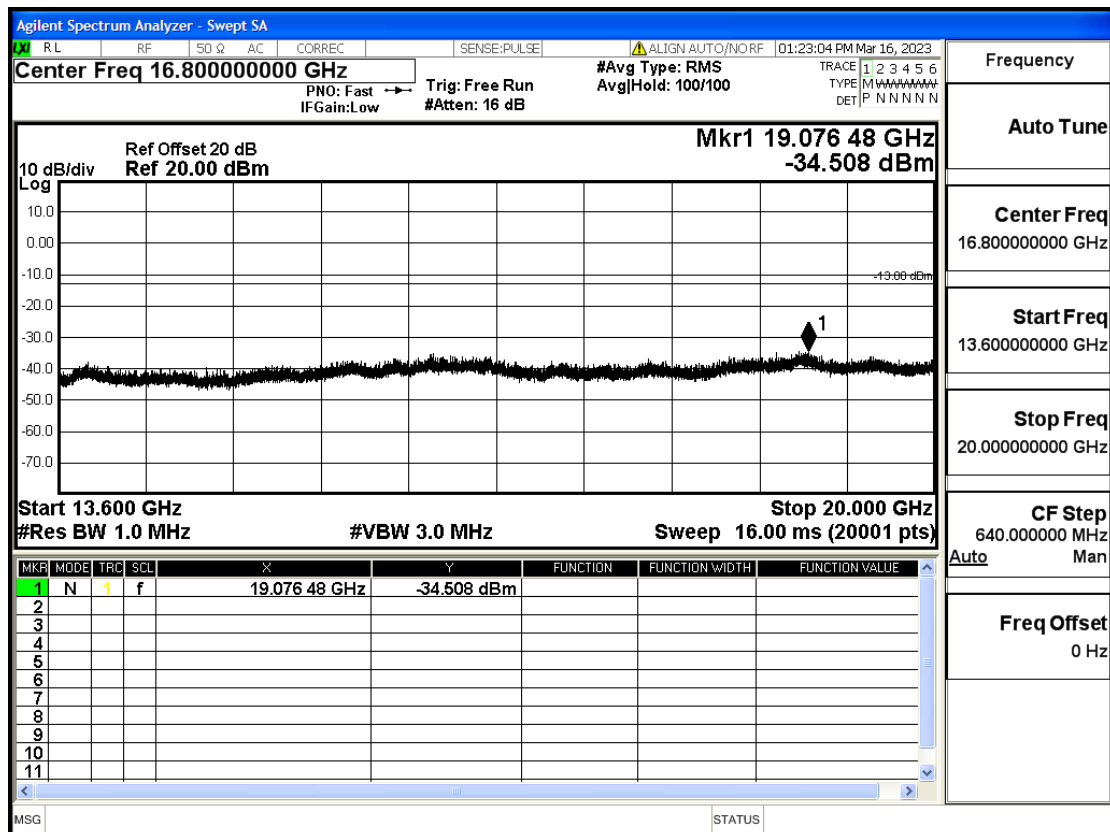
OB4-3-1732.5-QPSK-15#LOW@1GHz-7GHz@Pass



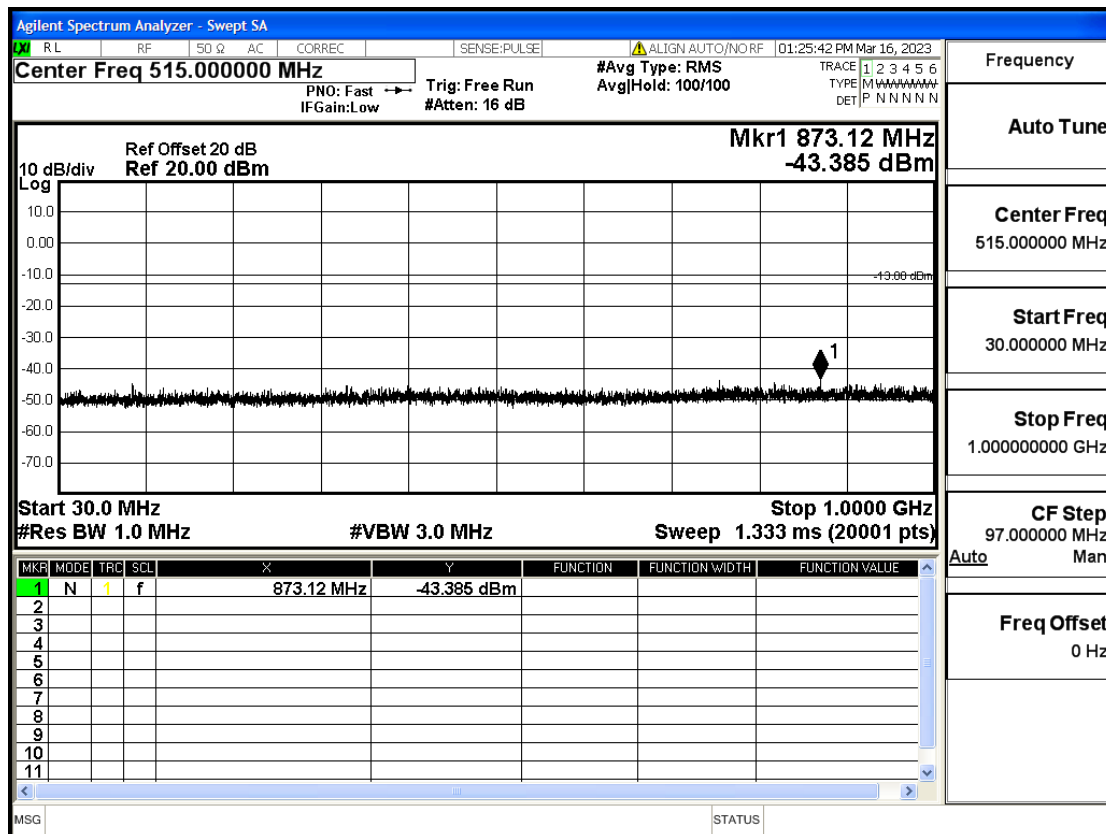
OB4-3-1732.5-QPSK-15#LOW@7GHz-13.6GHz@Pass



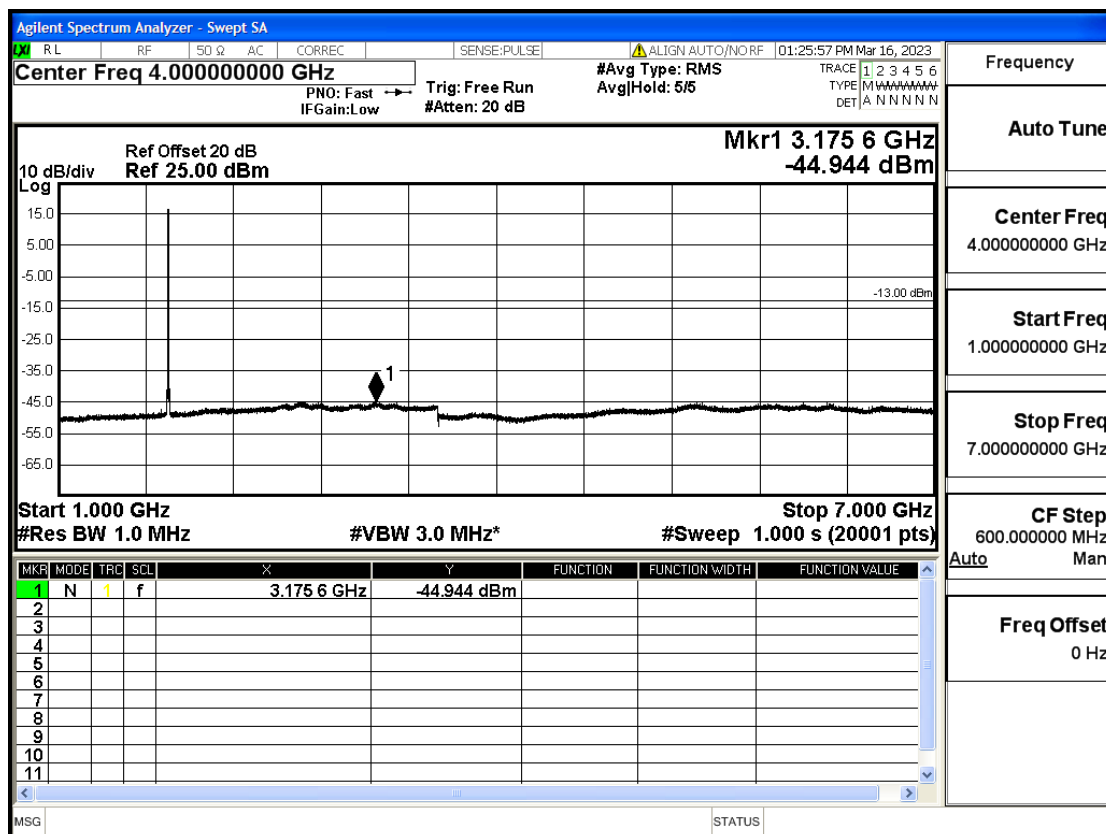
OB4-3-1732.5-QPSK-15#LOW@13.6GHz-20GHz@Pass



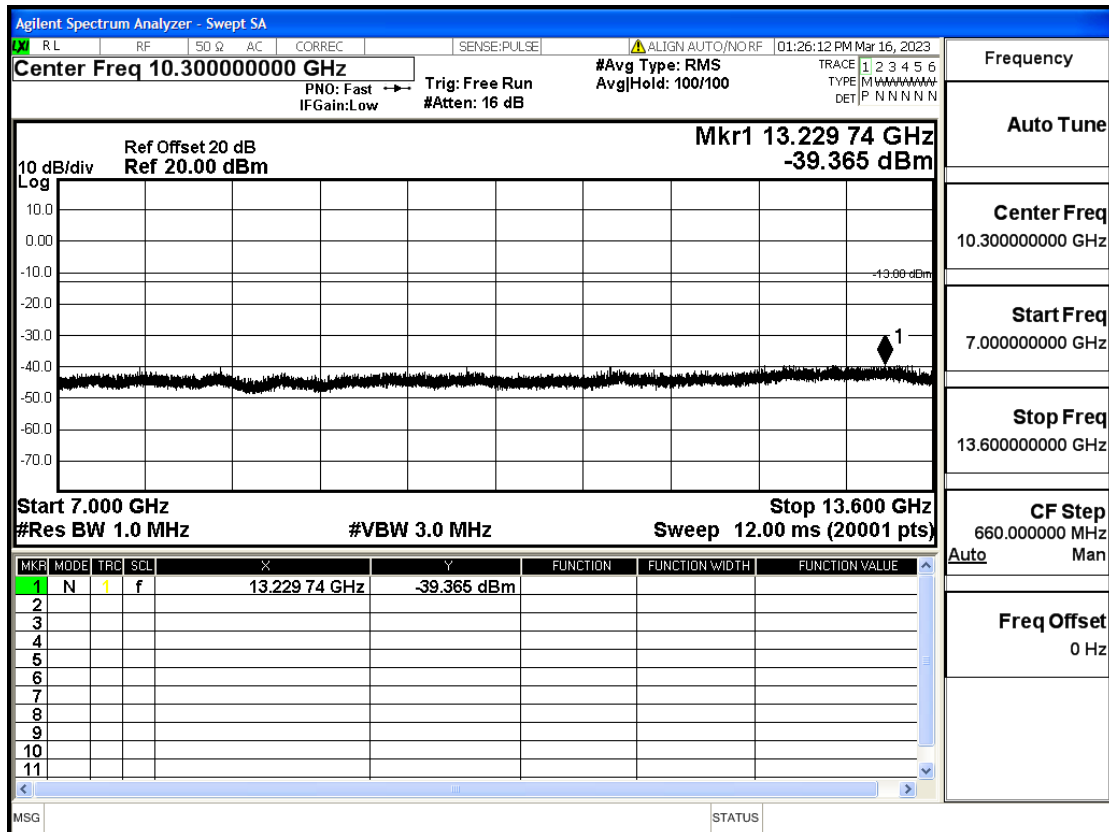
OB4-3-1753.5-QPSK-15#LOW@30mHz-1GHz@Pass



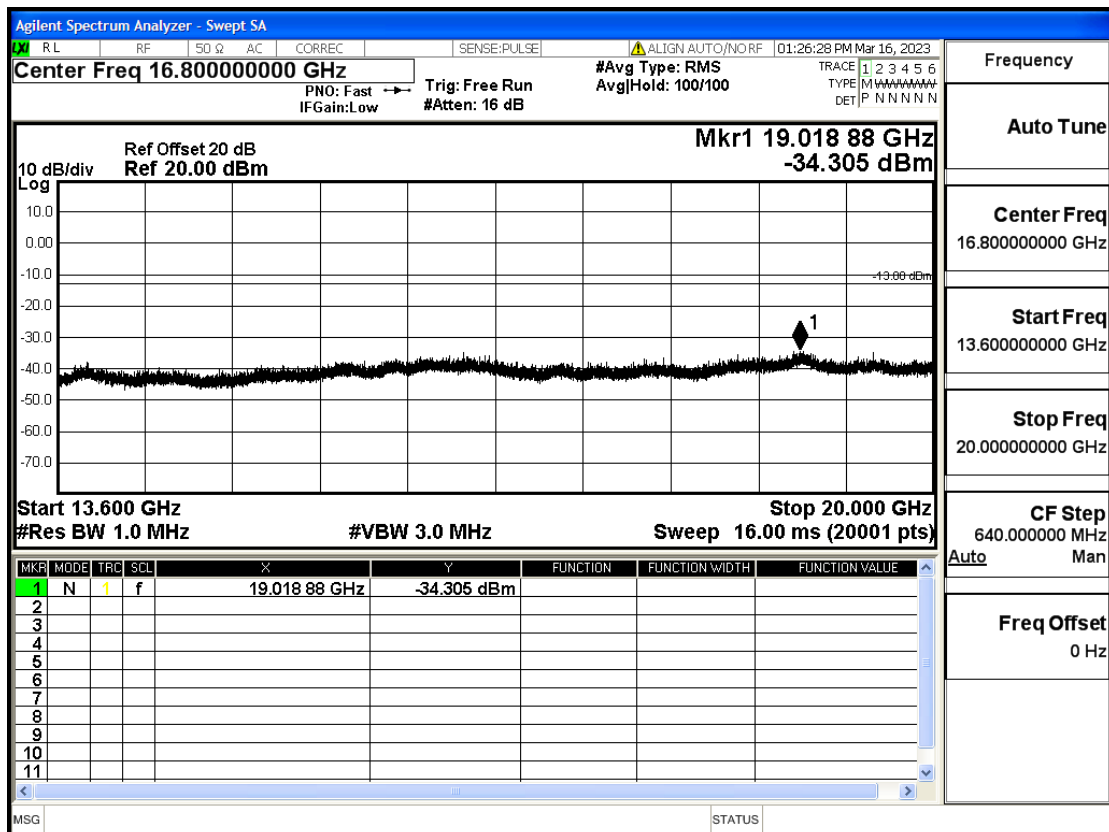
OB4-3-1753.5-QPSK-15#LOW@1GHz-7GHz@Pass



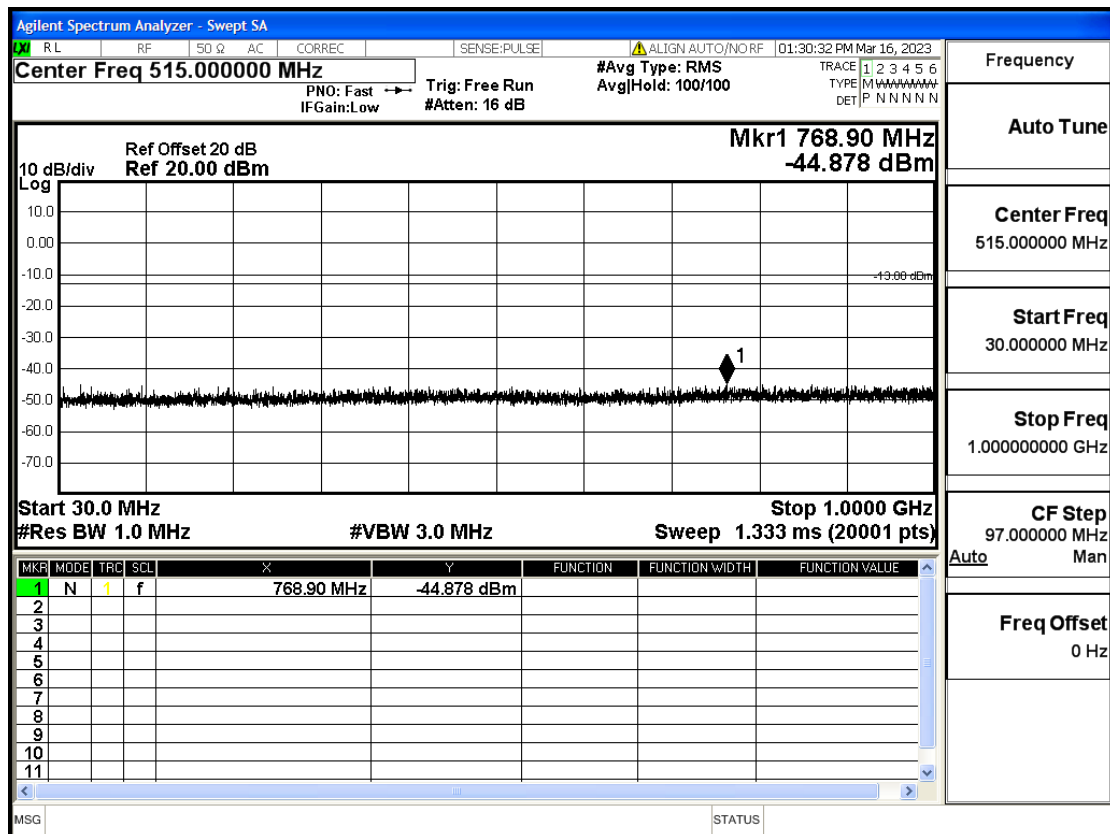
OB4-3-1753.5-QPSK-15#LOW@7GHz-13.6GHz@Pass



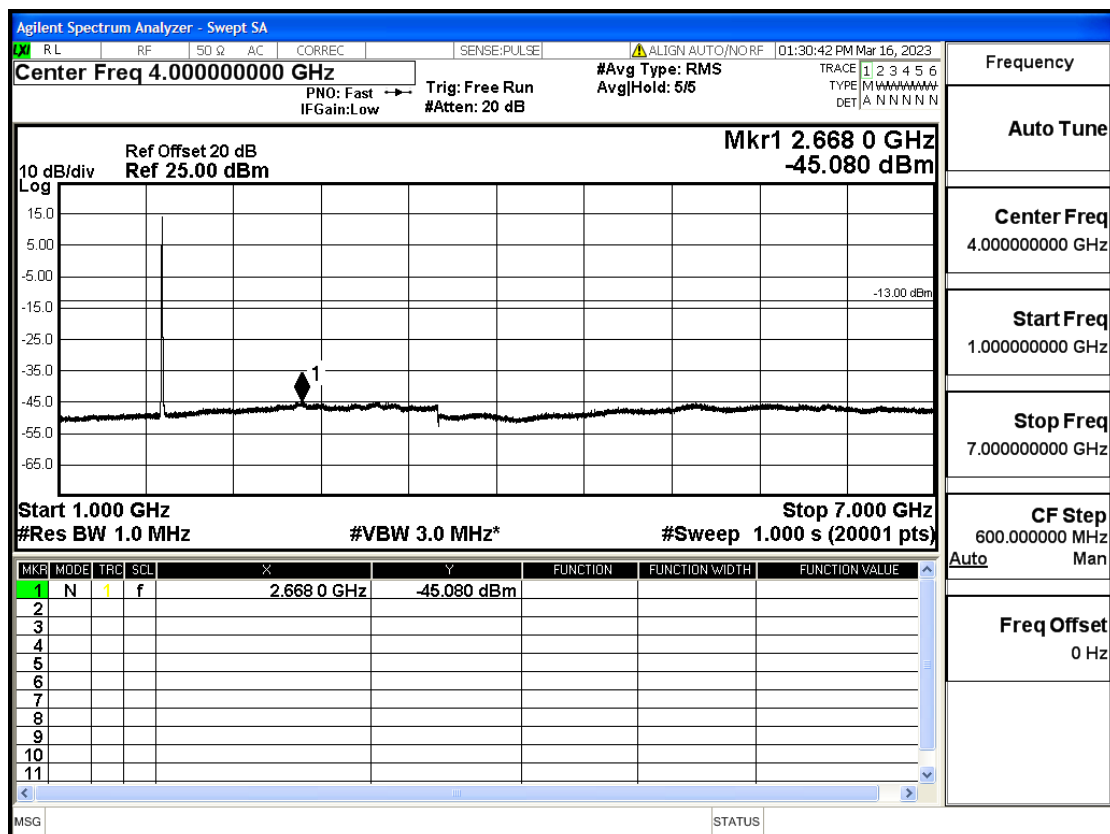
OB4-3-1753.5-QPSK-15#LOW@13.6GHz-20GHz@Pass



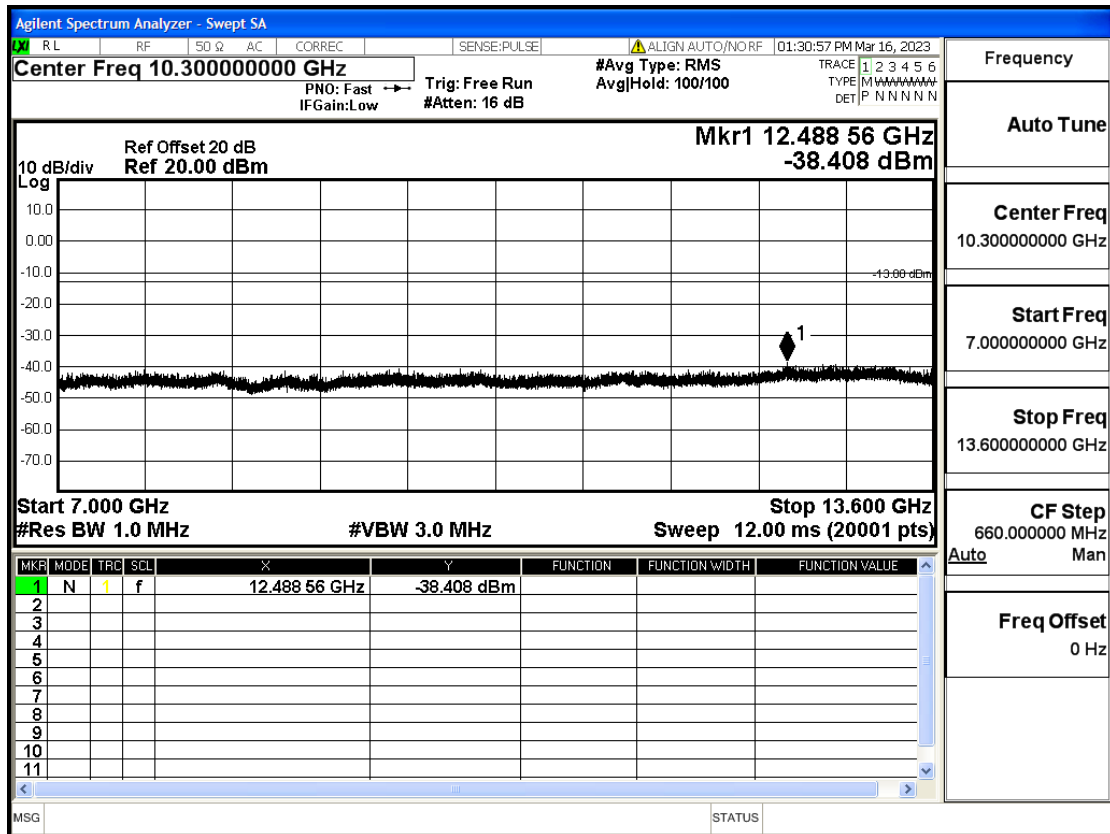
OB4-5-1712.5-QPSK-25#LOW@30mHz-1GHz@Pass



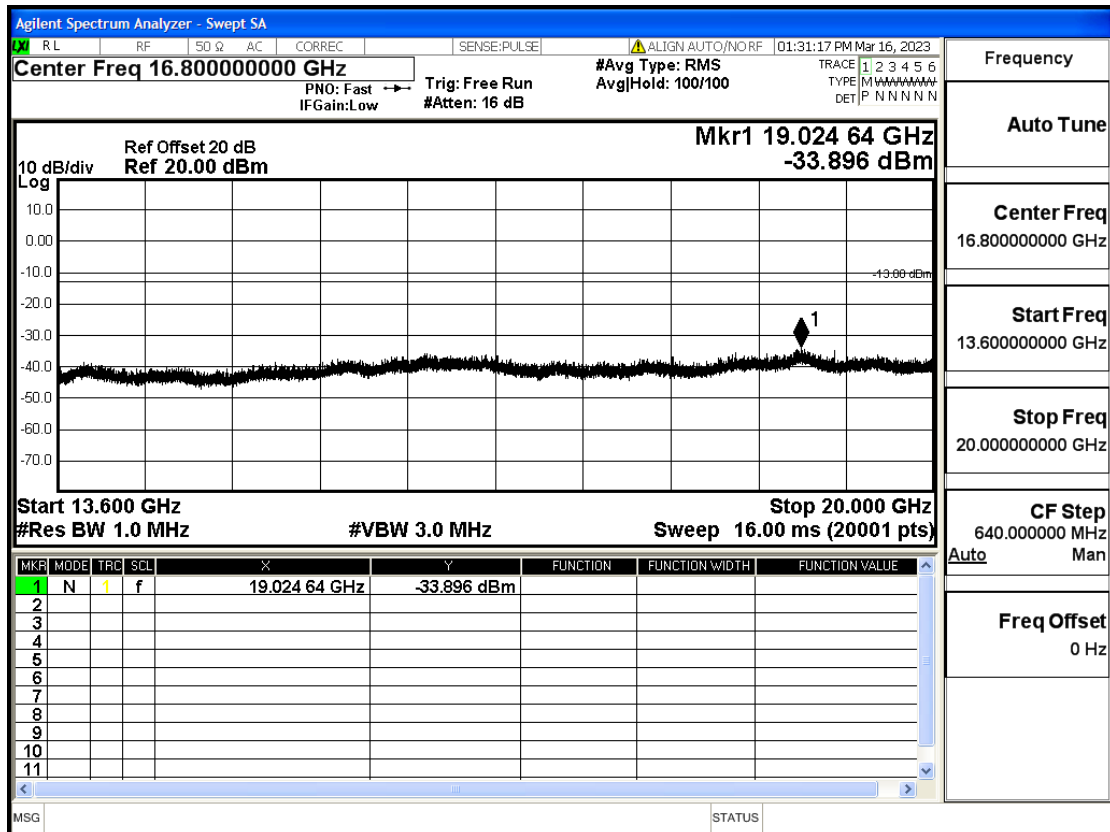
OB4-5-1712.5-QPSK-25#LOW@1GHz-7GHz@Pass



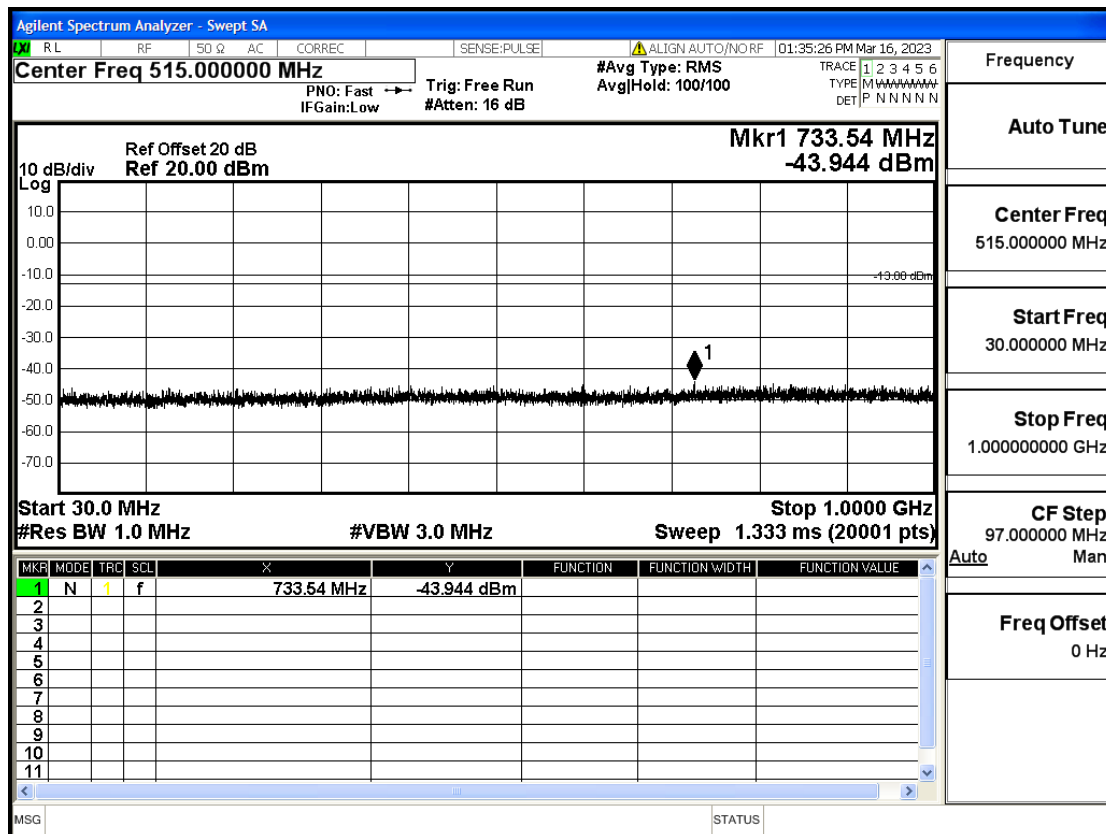
OB4-5-1712.5-QPSK-25#LOW@7GHz-13.6GHz@Pass



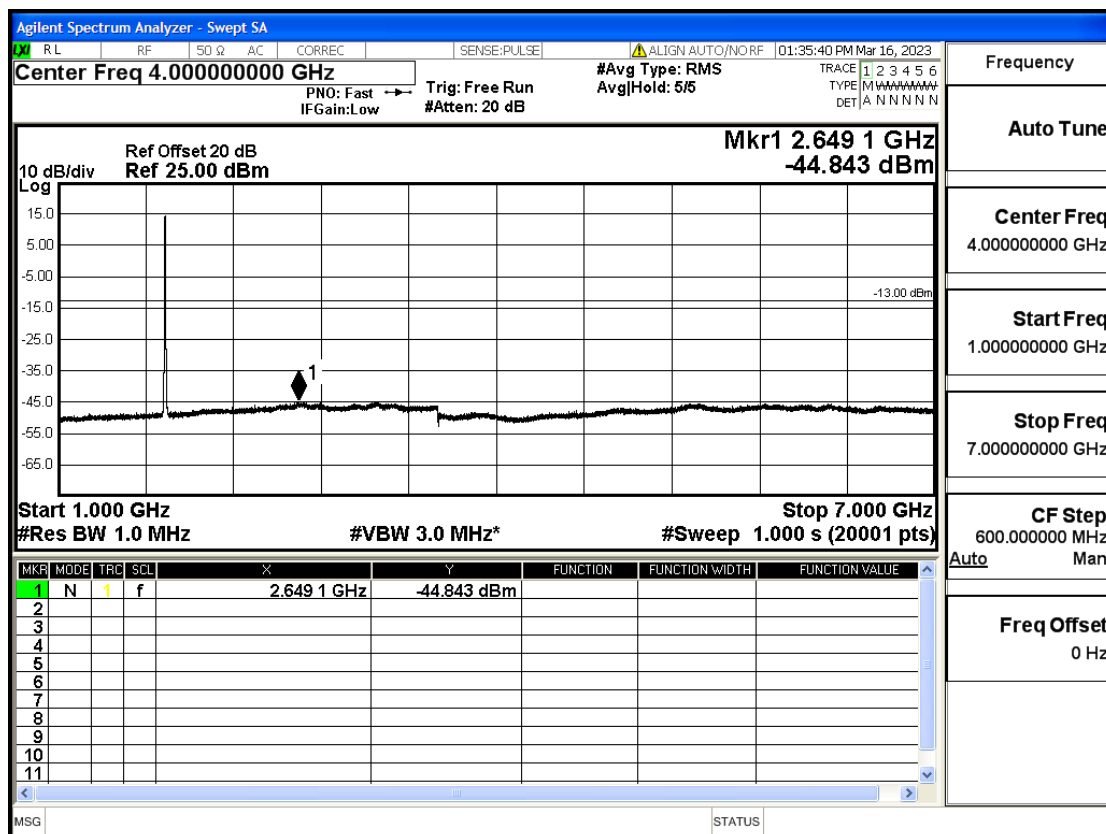
OB4-5-1712.5-QPSK-25#LOW@13.6GHz-20GHz@Pass



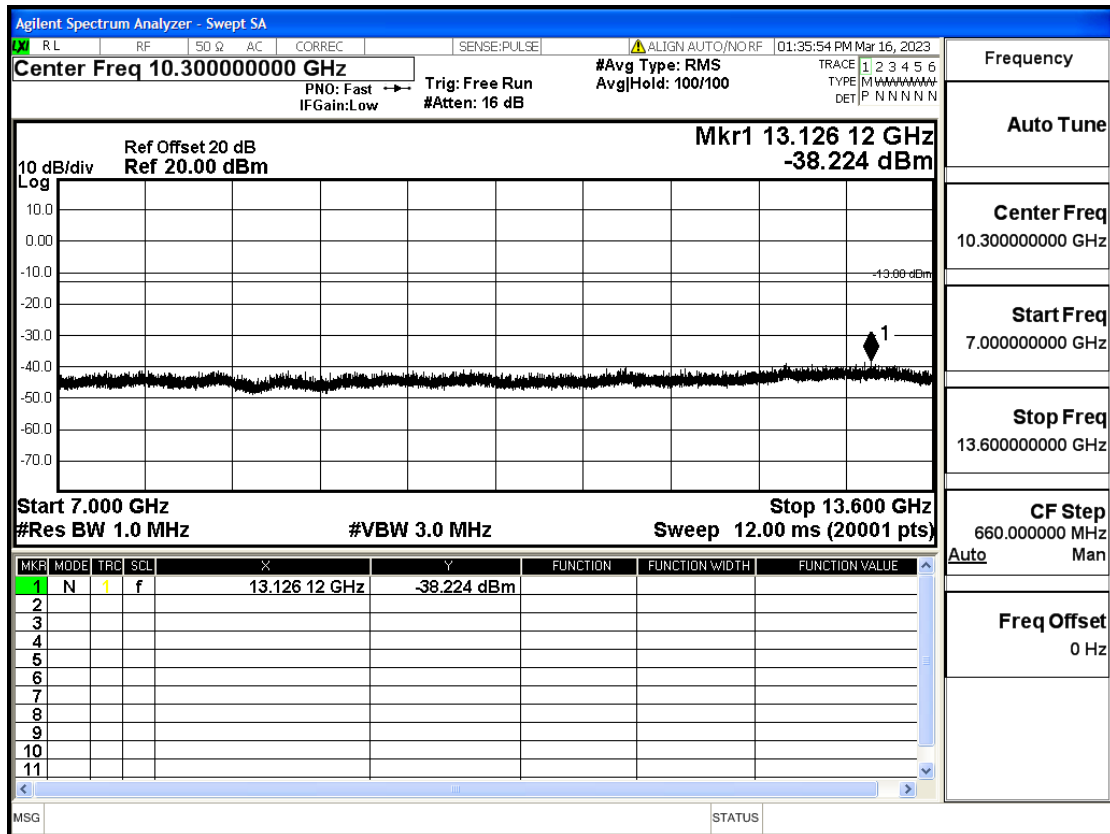
OB4-5-1732.5-QPSK-25#LOW@30mHz-1GHz@Pass



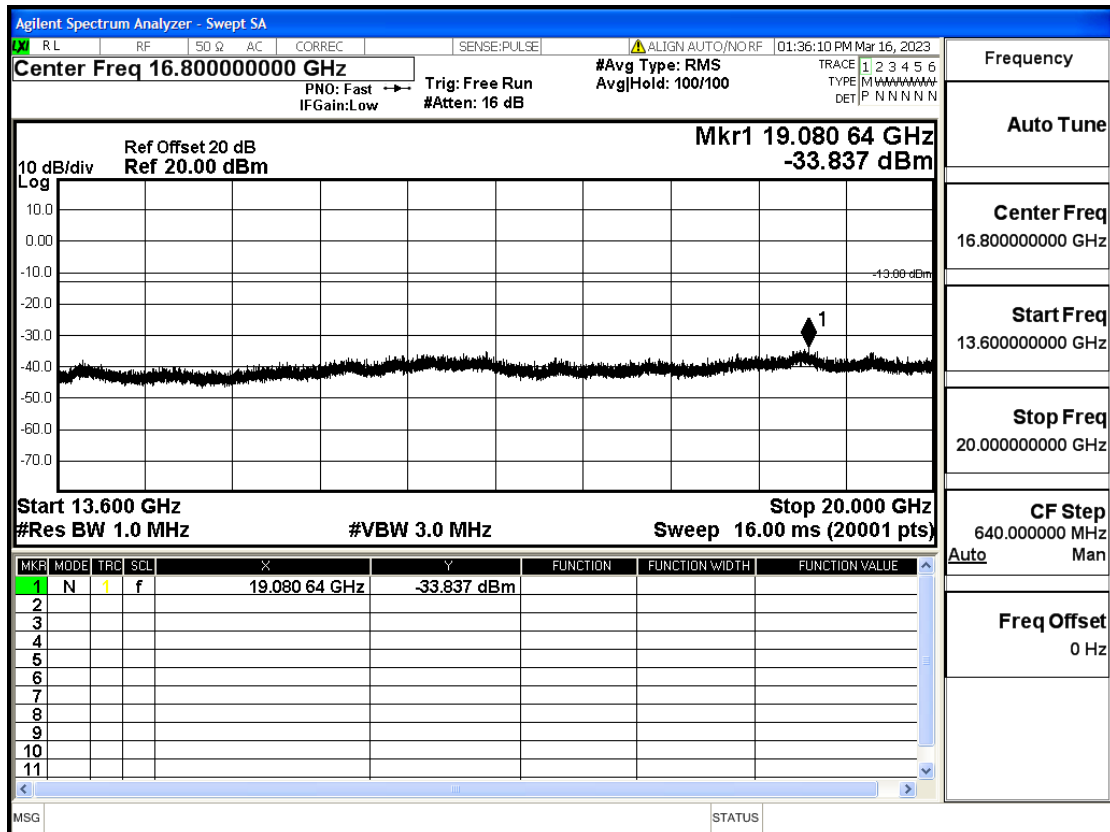
OB4-5-1732.5-QPSK-25#LOW@1GHz-7GHz@Pass



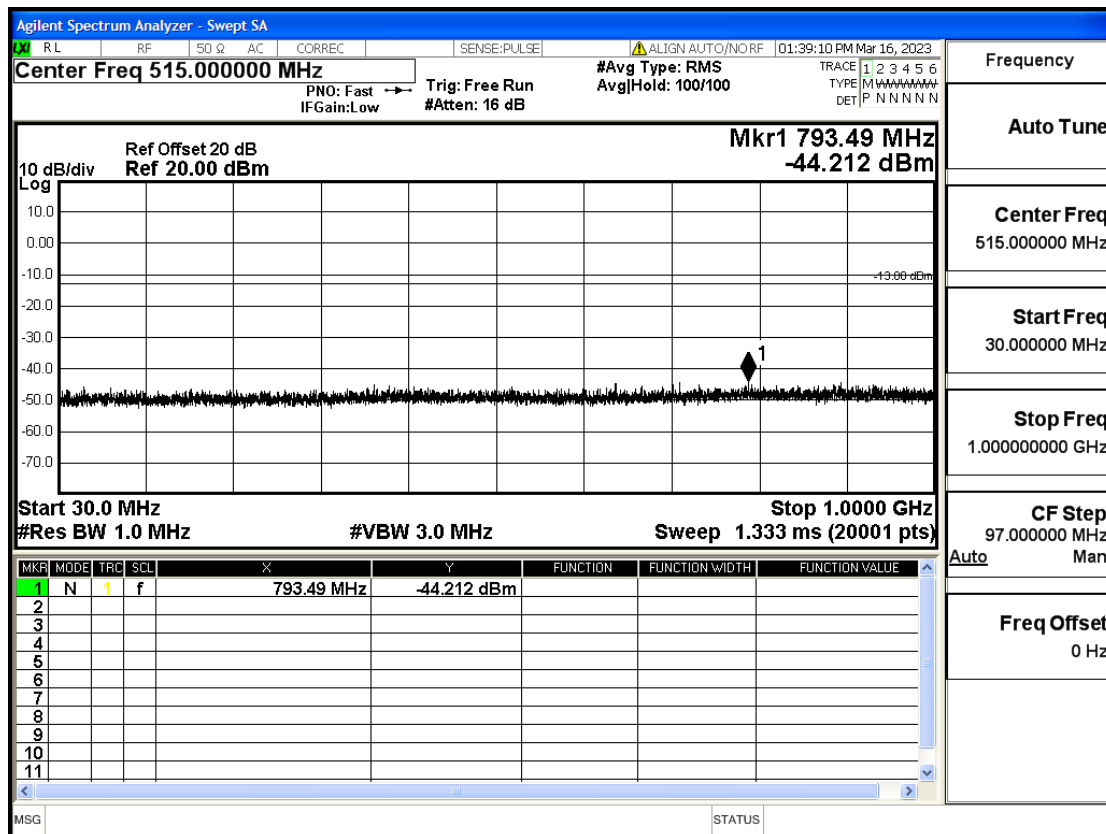
OB4-5-1732.5-QPSK-25#LOW@7GHz-13.6GHz@Pass



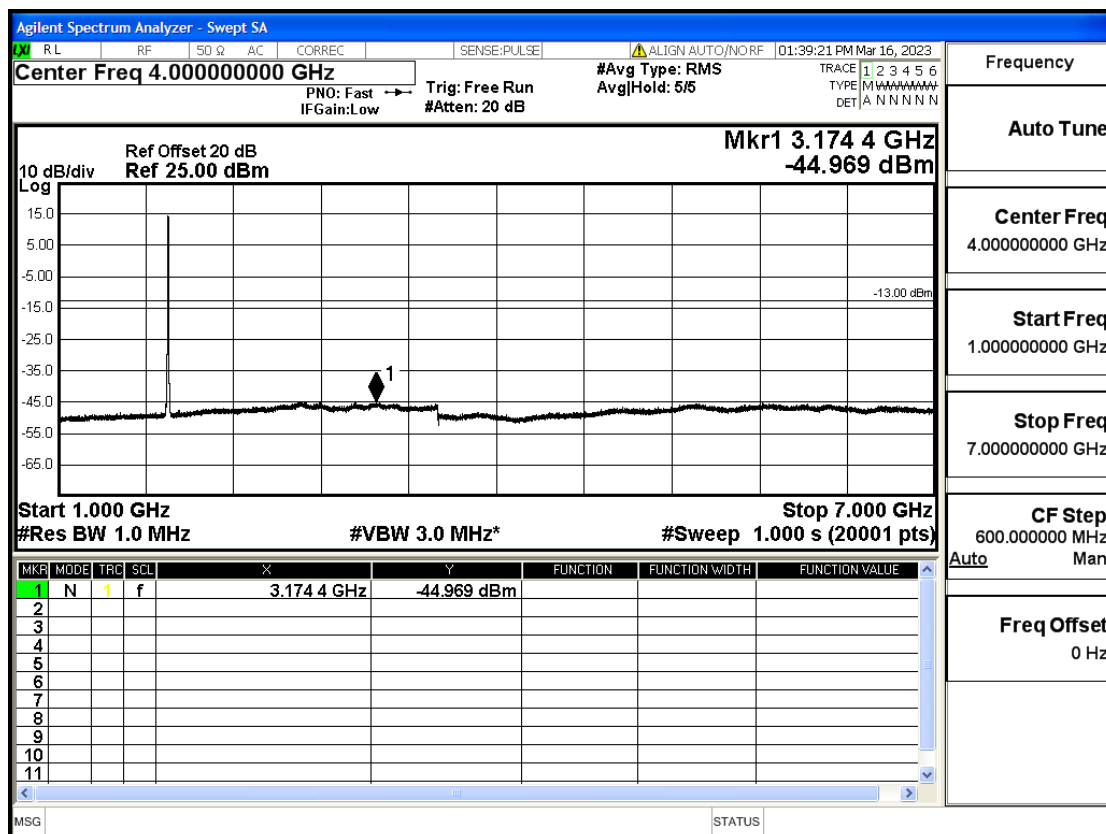
OB4-5-1732.5-QPSK-25#LOW@13.6GHz-20GHz@Pass



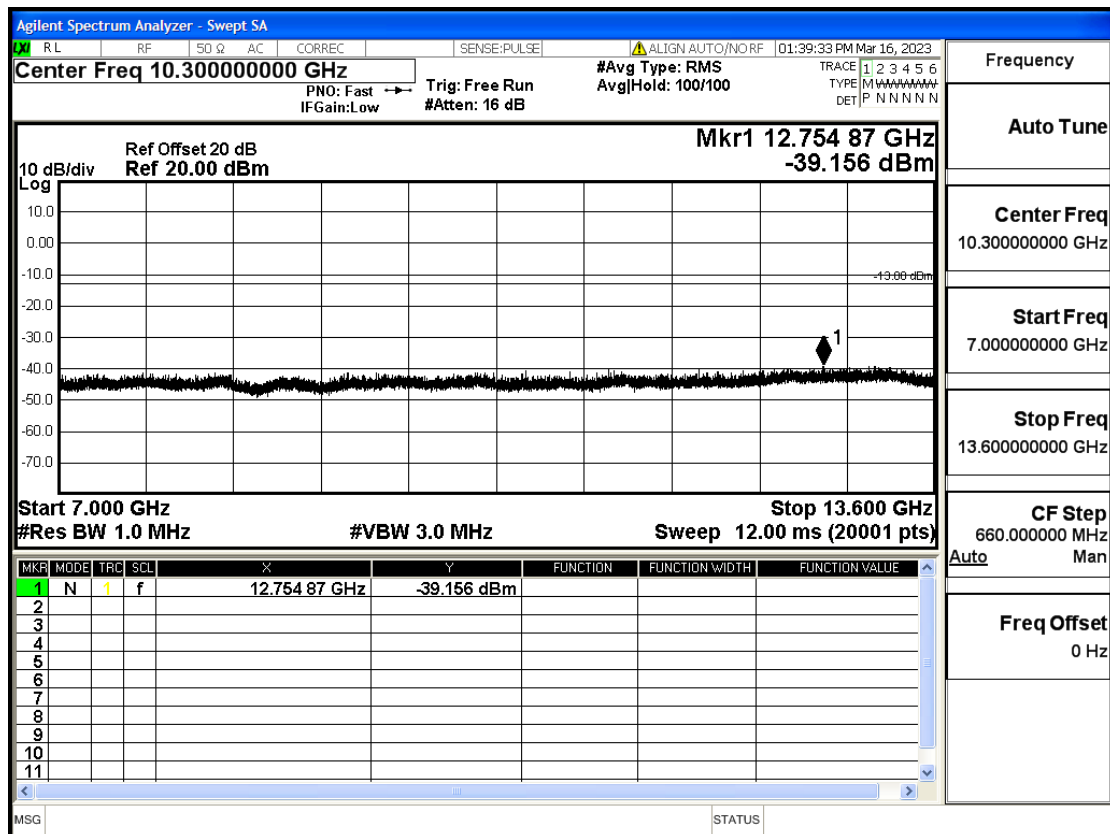
OB4-5-1752.5-QPSK-25#LOW@30mHz-1GHz@Pass



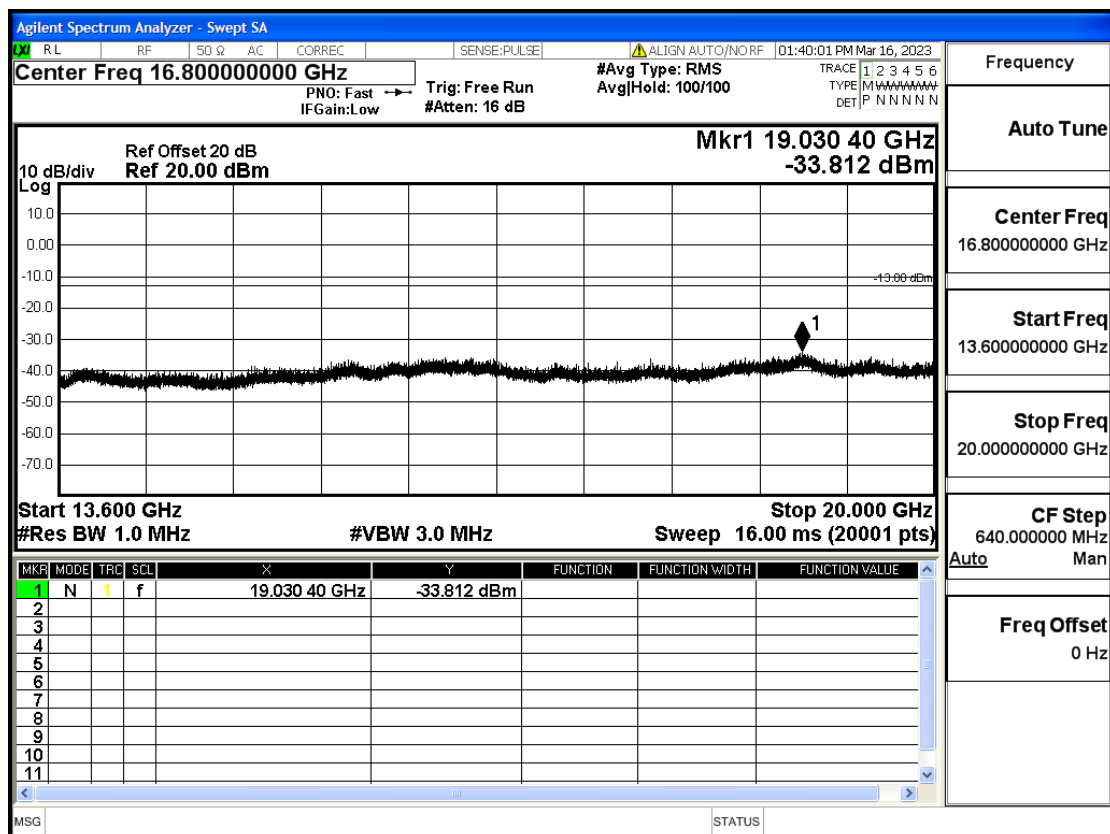
OB4-5-1752.5-QPSK-25#LOW@1GHz-7GHz@Pass



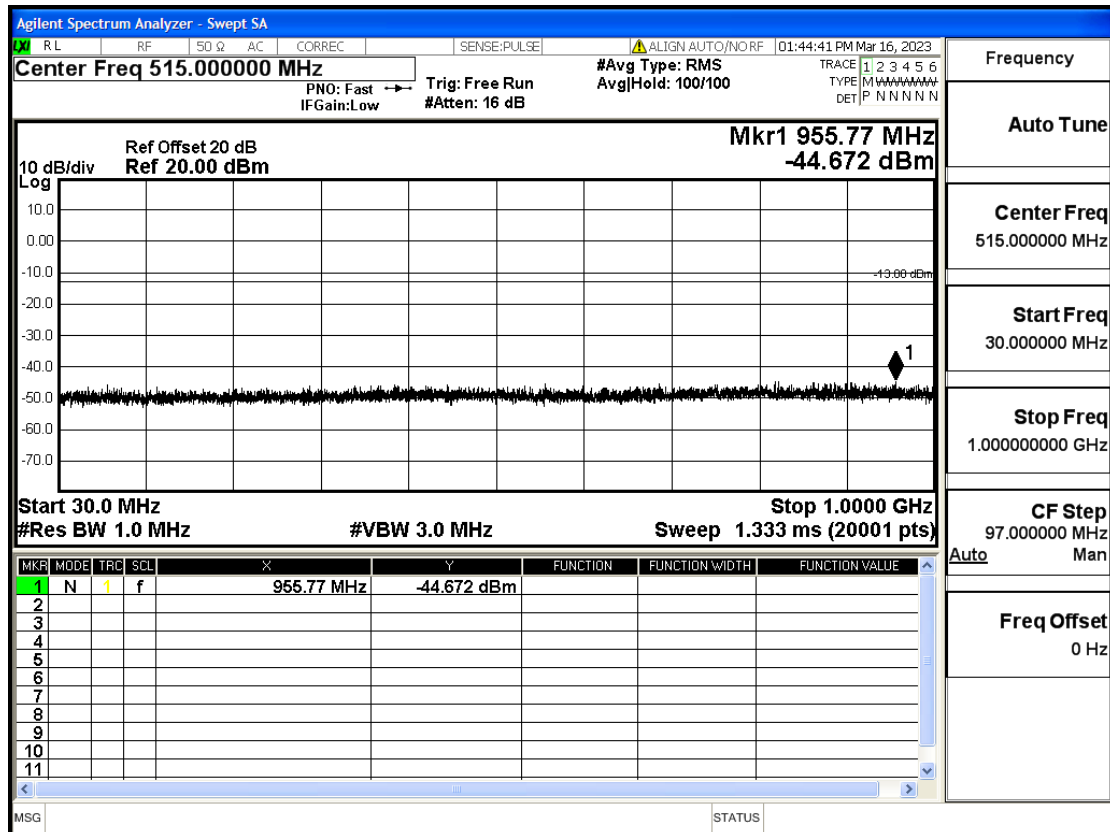
OB4-5-1752.5-QPSK-25#LOW@7GHz-13.6GHz@Pass



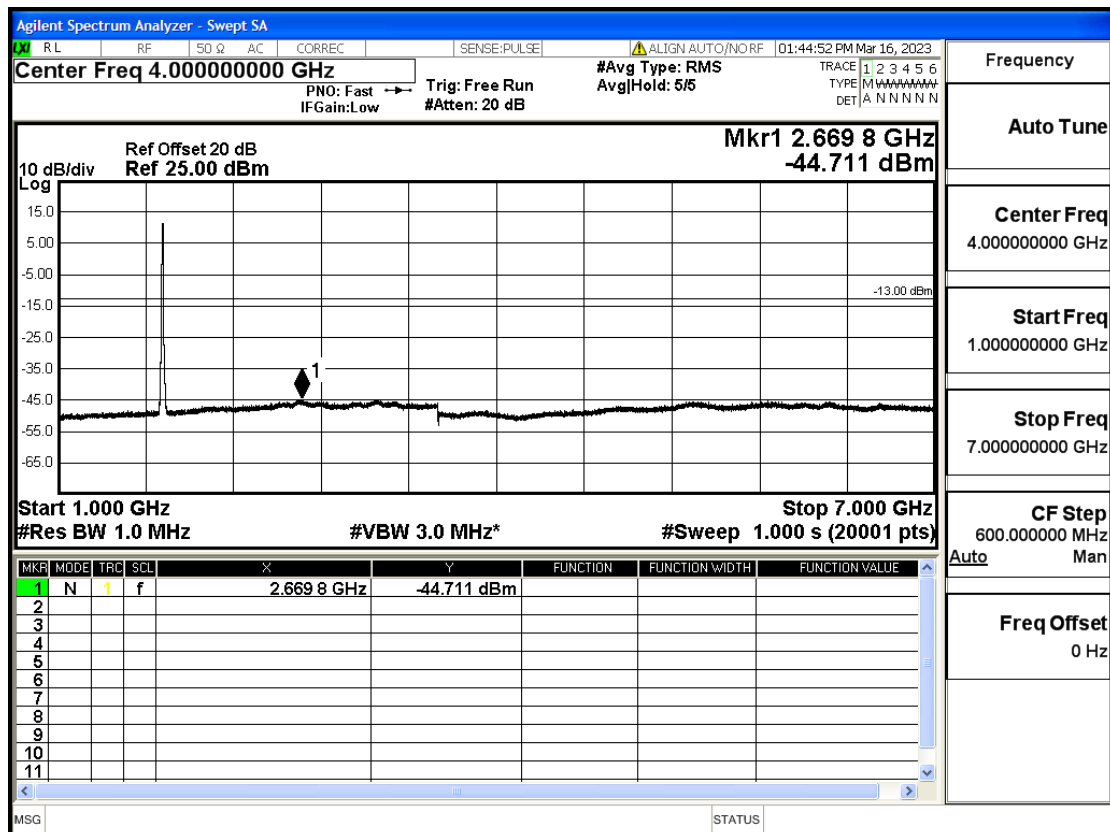
OB4-5-1752.5-QPSK-25#LOW@13.6GHz-20GHz@Pass



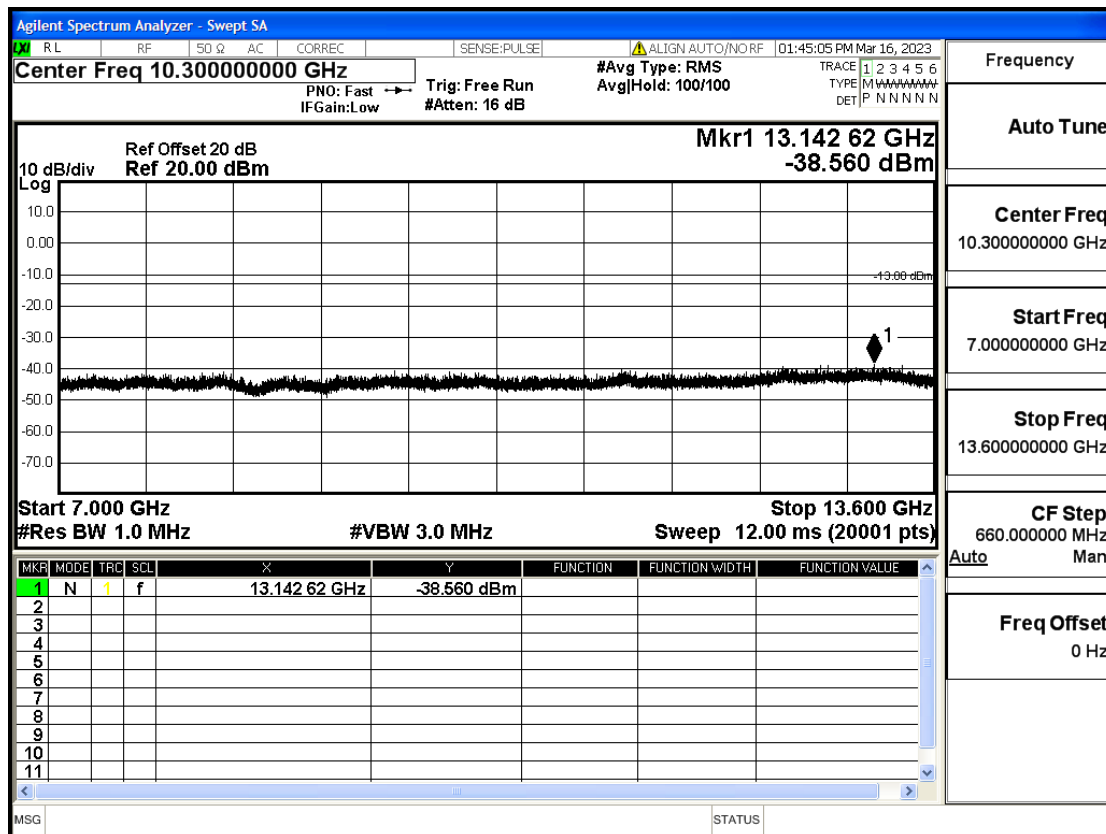
OB4-10-1715-QPSK-50#LOW@30mHz-1GHz@Pass



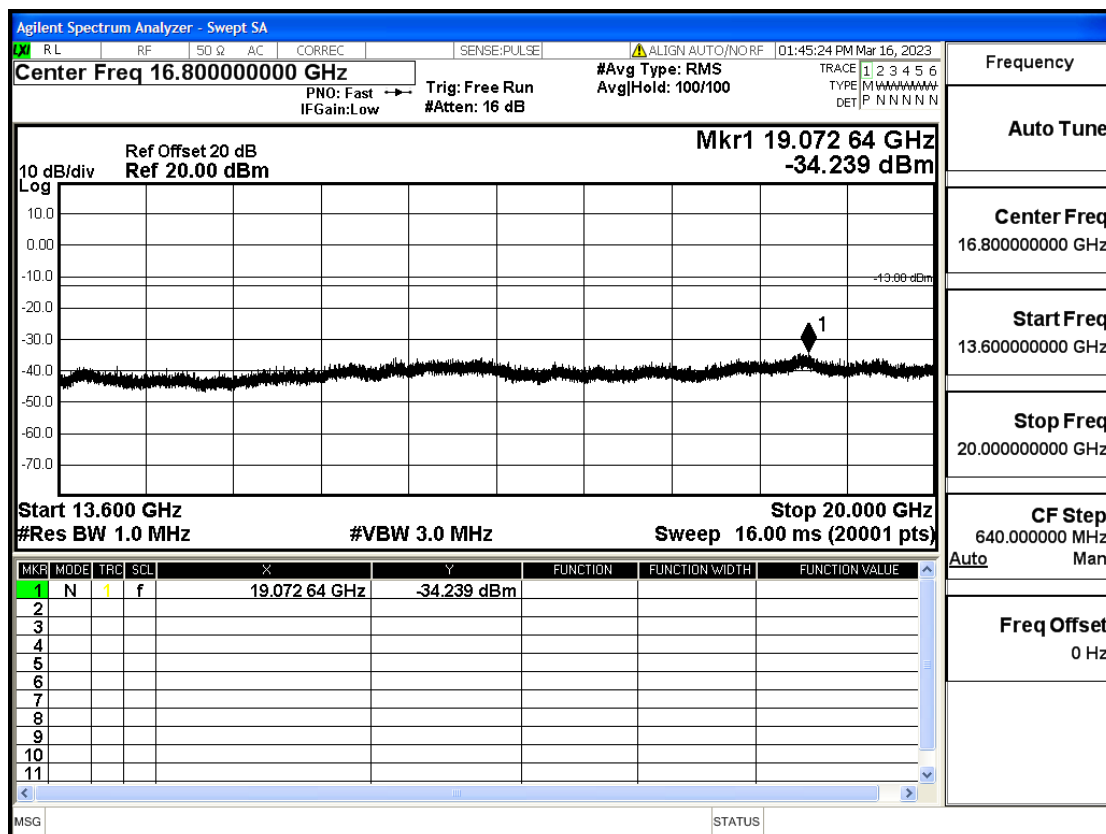
OB4-10-1715-QPSK-50#LOW@1GHz-7GHz@Pass



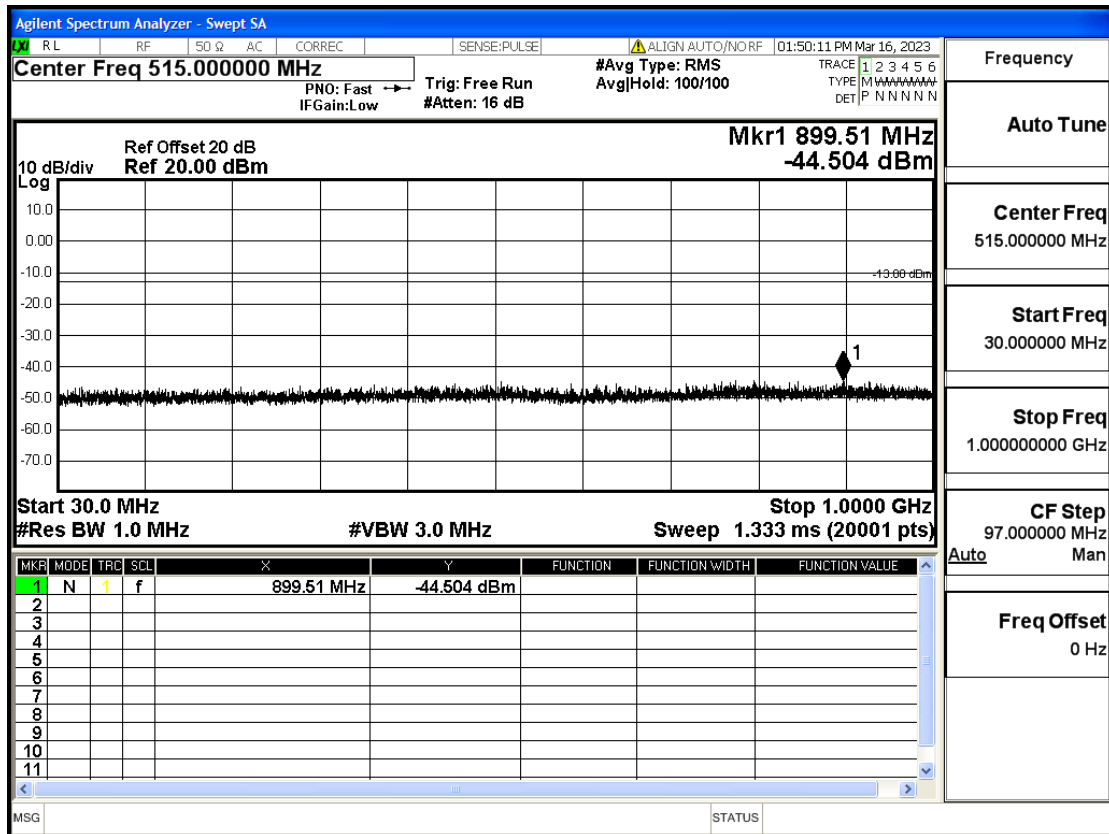
OB4-10-1715-QPSK-50#LOW@7GHz-13.6GHz@Pass



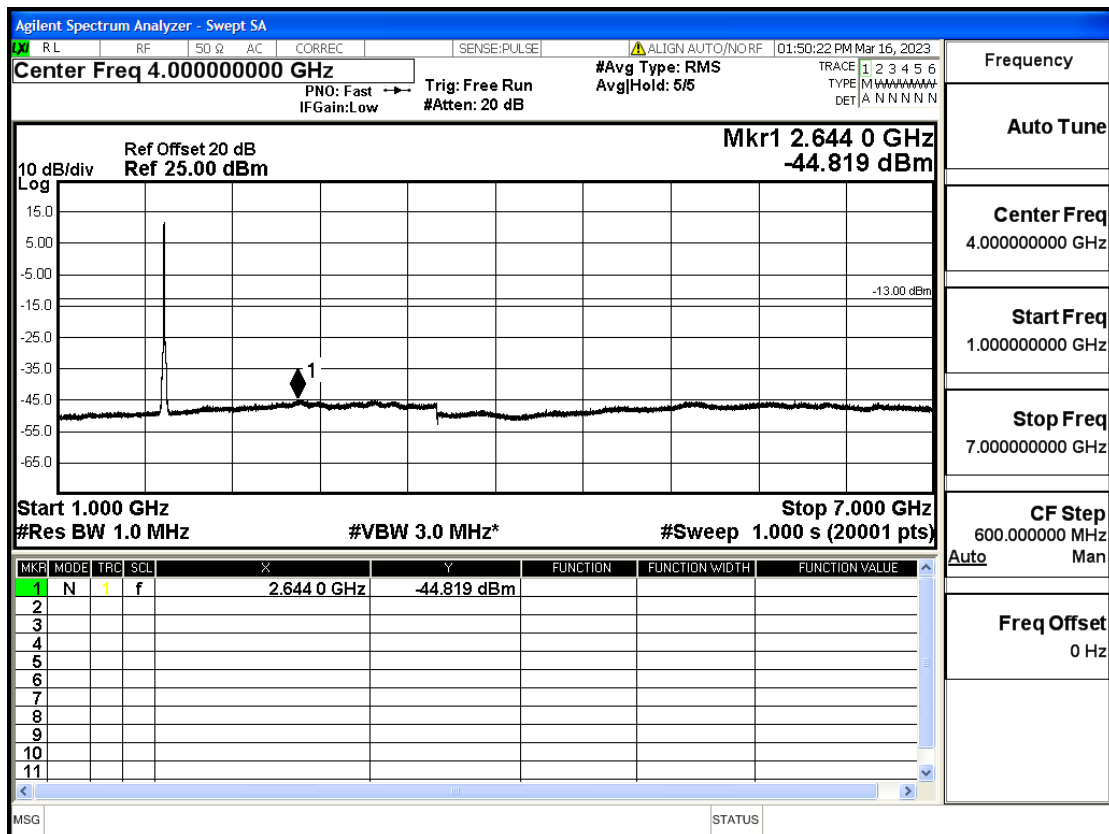
OB4-10-1715-QPSK-50#LOW@13.6GHz-20GHz@Pass



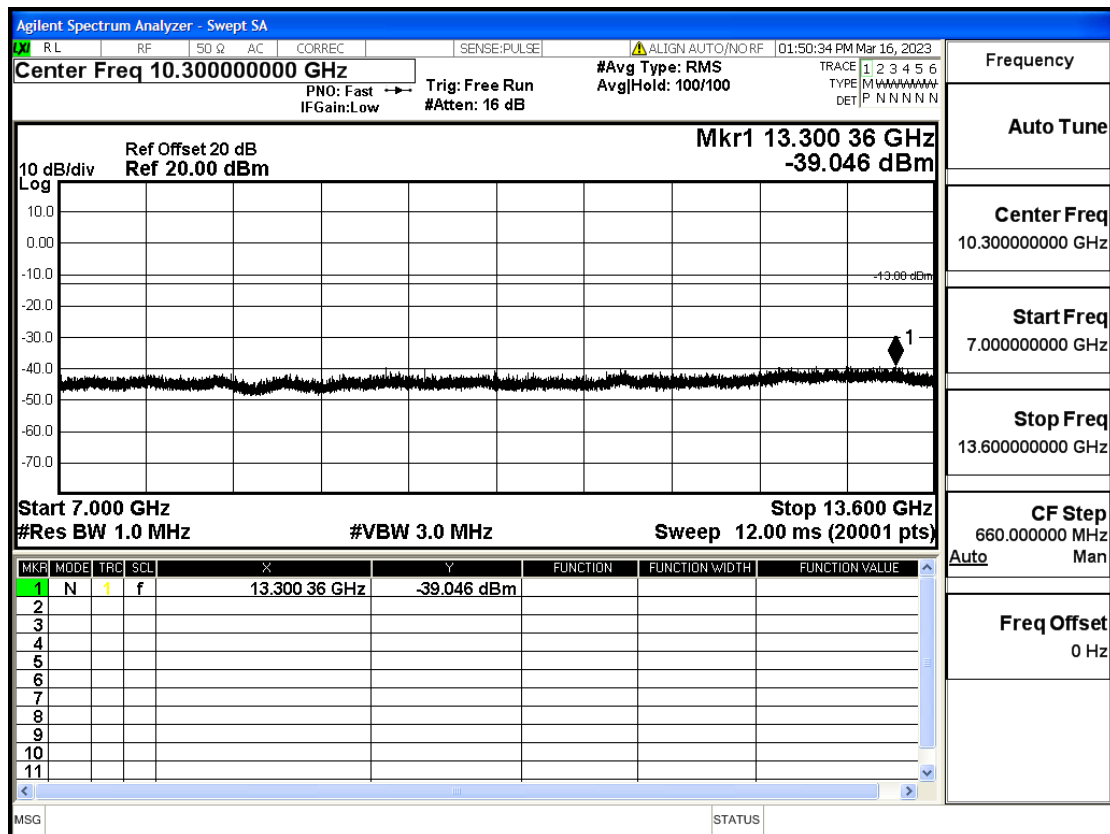
OB4-10-1732.5-QPSK-50#LOW@30mHz-1GHz@Pass



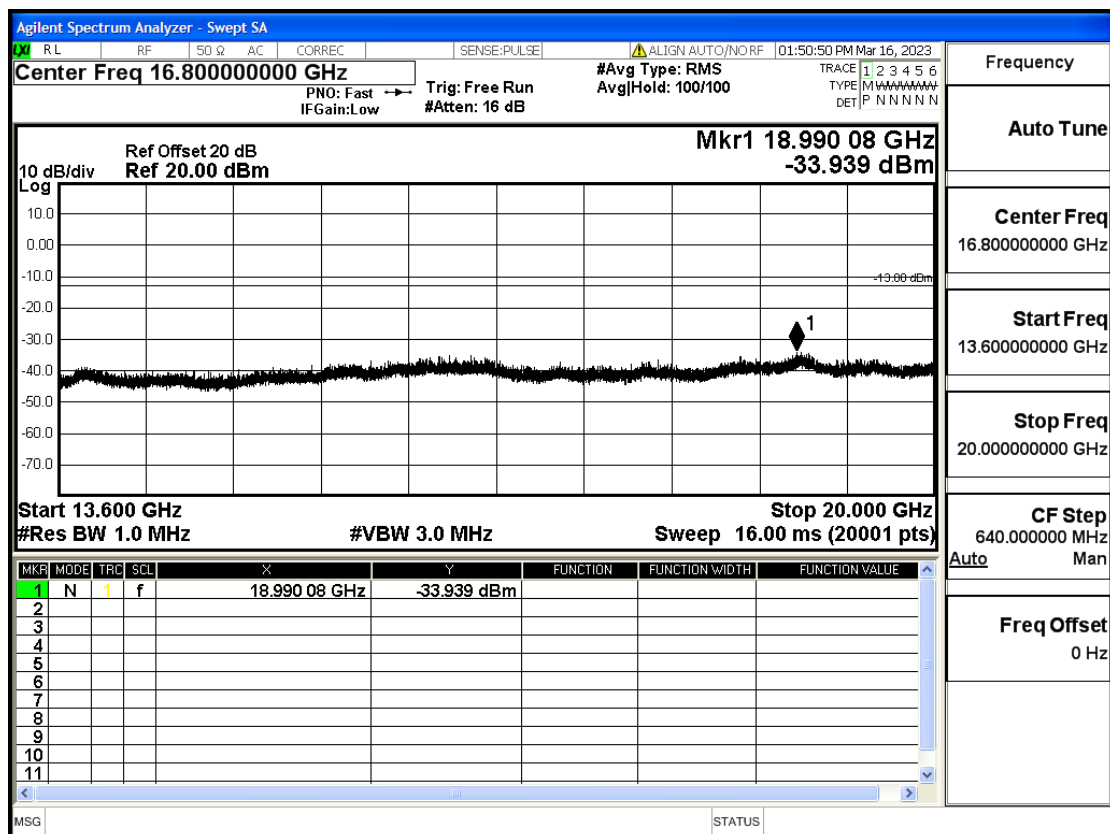
OB4-10-1732.5-QPSK-50#LOW@1GHz-7GHz@Pass



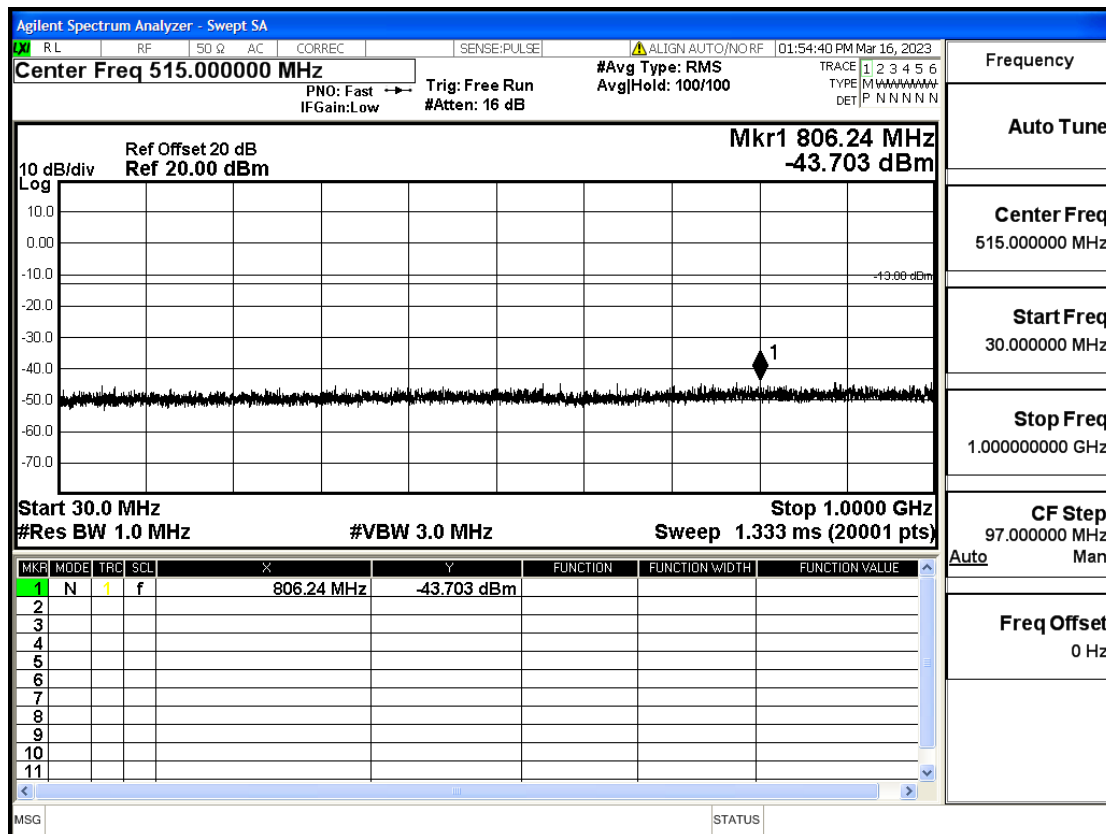
OB4-10-1732.5-QPSK-50#LOW@7GHz-13.6GHz@Pass



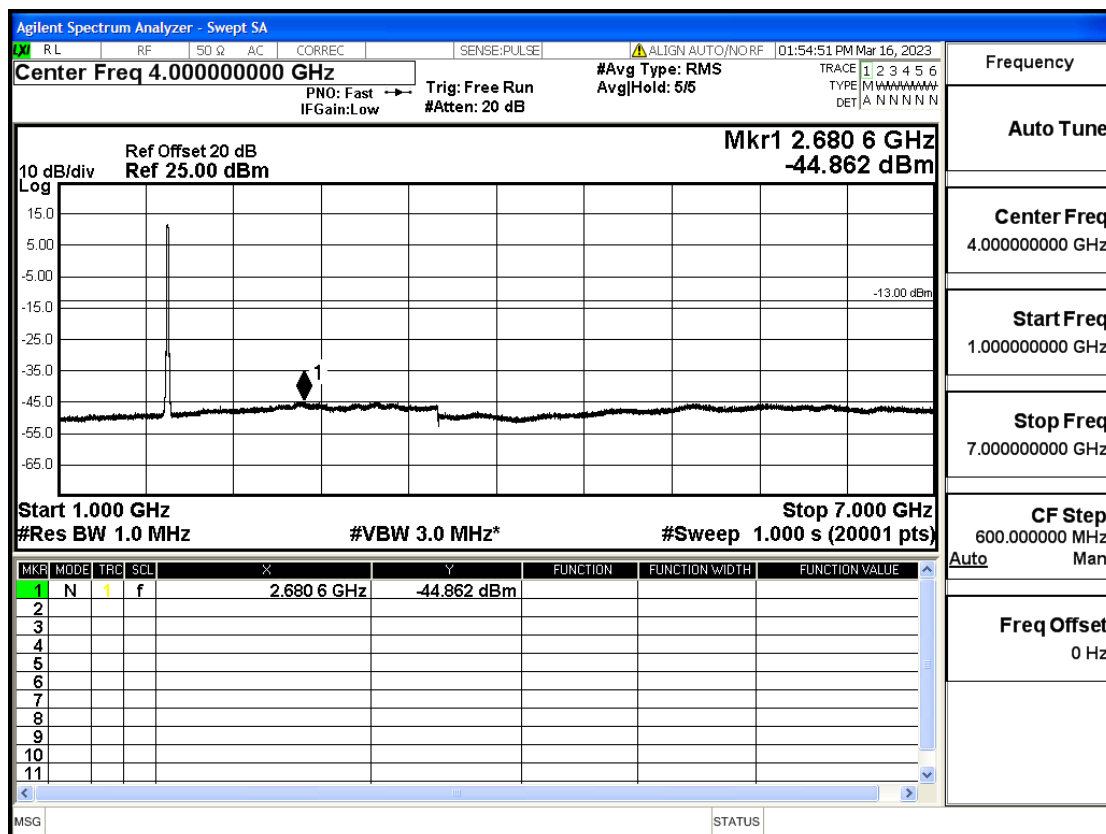
OB4-10-1732.5-QPSK-50#LOW@13.6GHz-20GHz@Pass



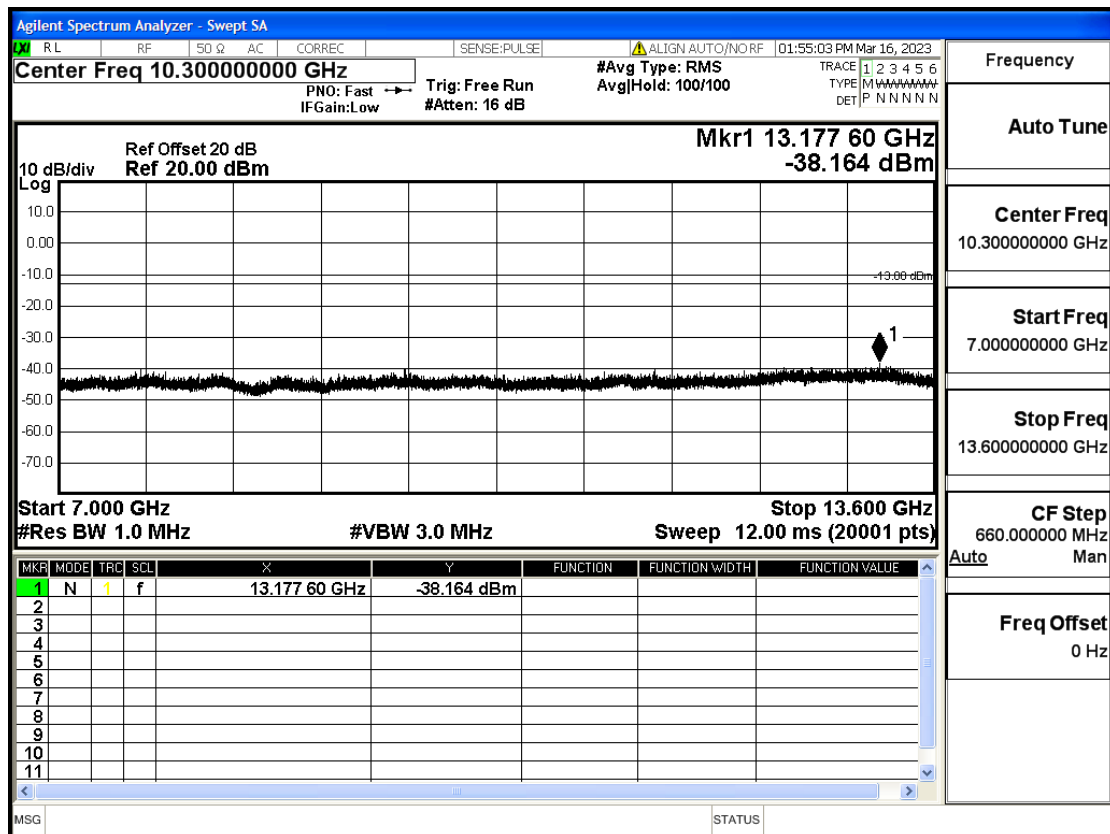
OB4-10-1750-QPSK-50#LOW@30mHz-1GHz@Pass



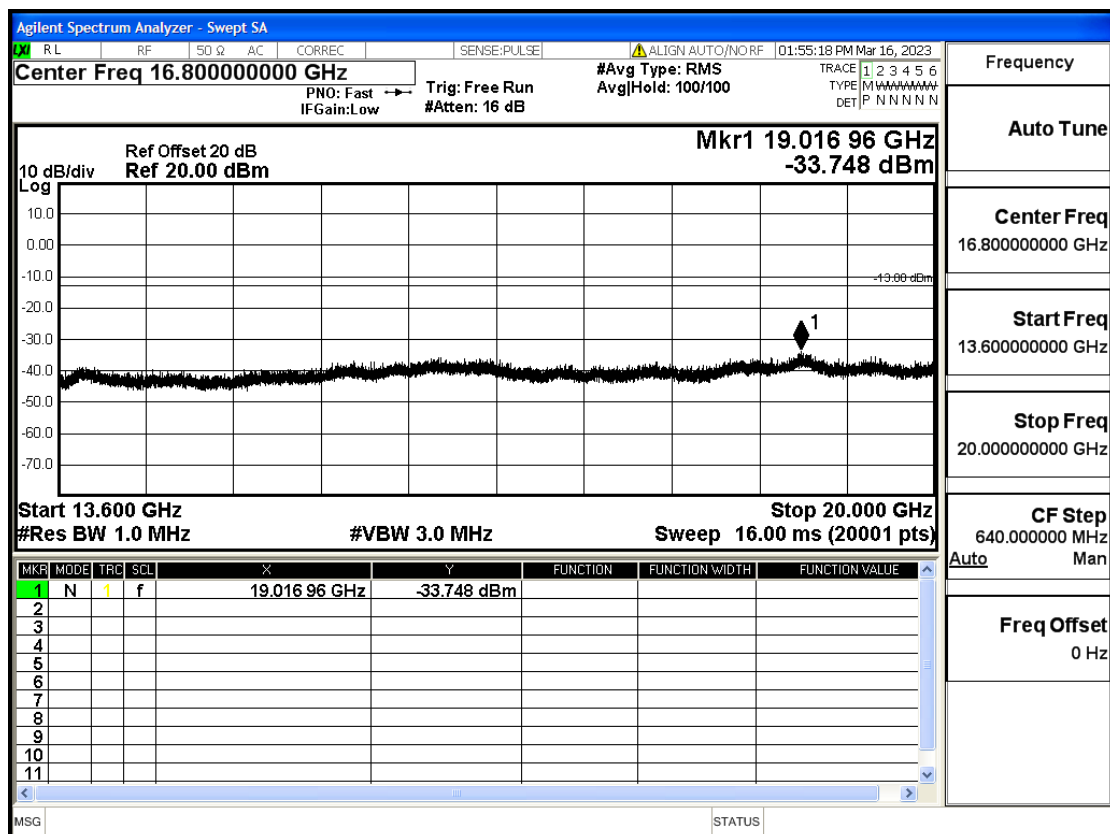
OB4-10-1750-QPSK-50#LOW@1GHz-7GHz@Pass



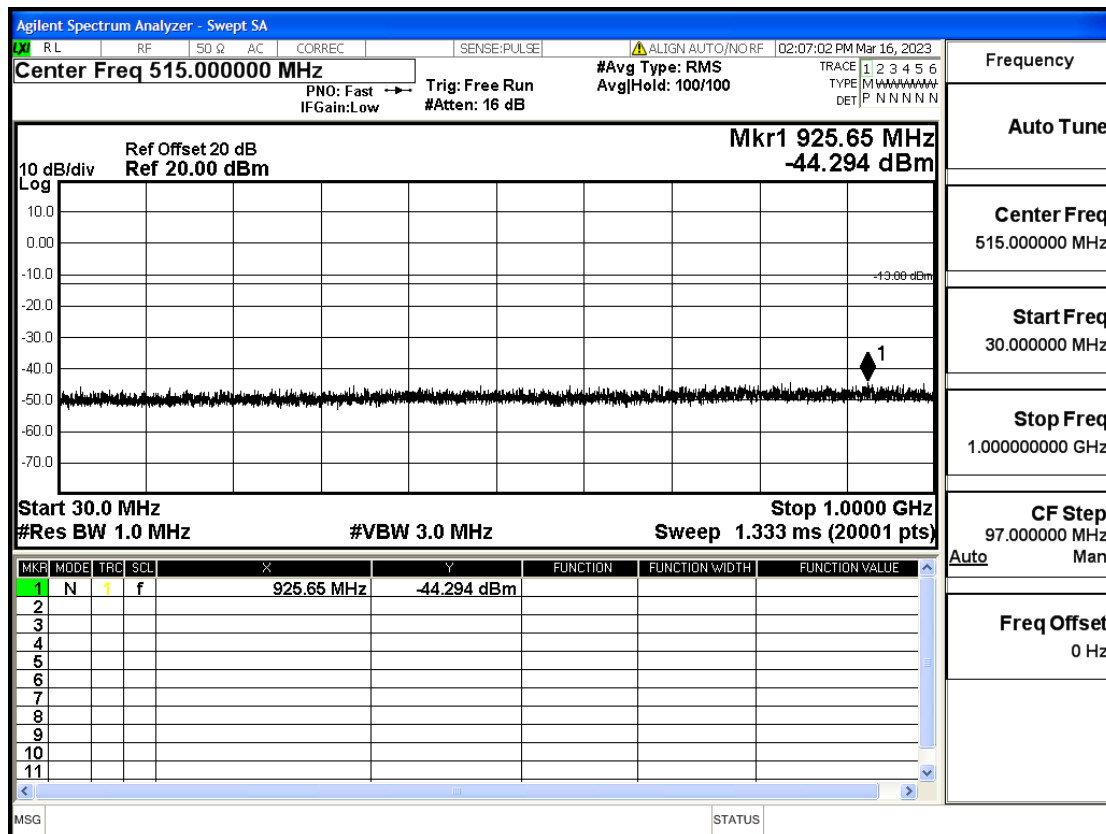
OB4-10-1750-QPSK-50#LOW@7GHz-13.6GHz@Pass



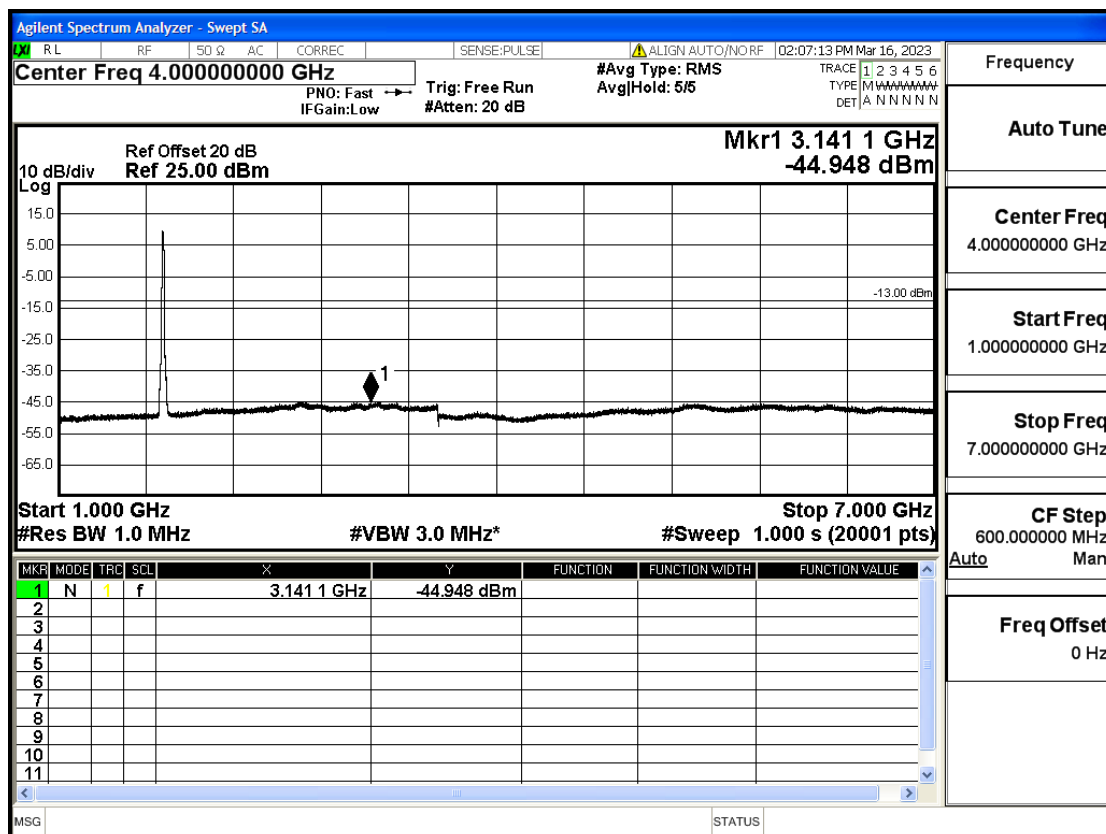
OB4-10-1750-QPSK-50#LOW@13.6GHz-20GHz@Pass



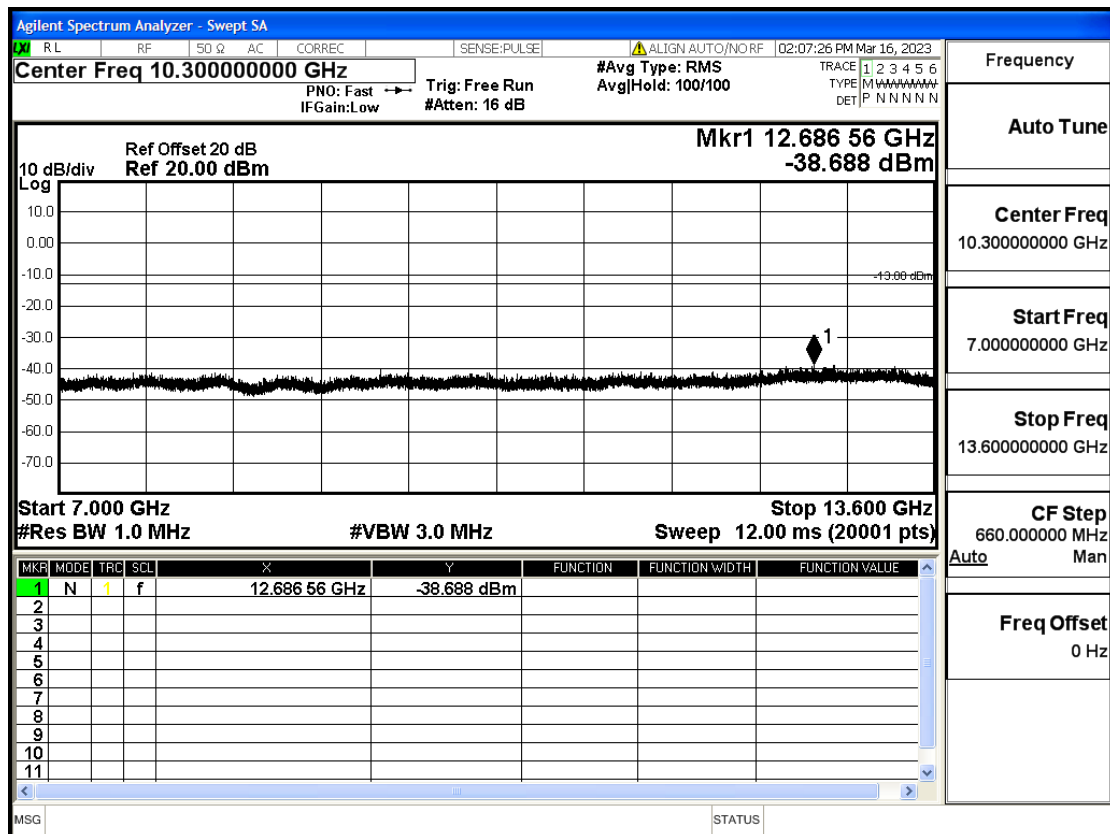
OB4-15-1717.5-QPSK-75#LOW@30mHz-1GHz@Pass



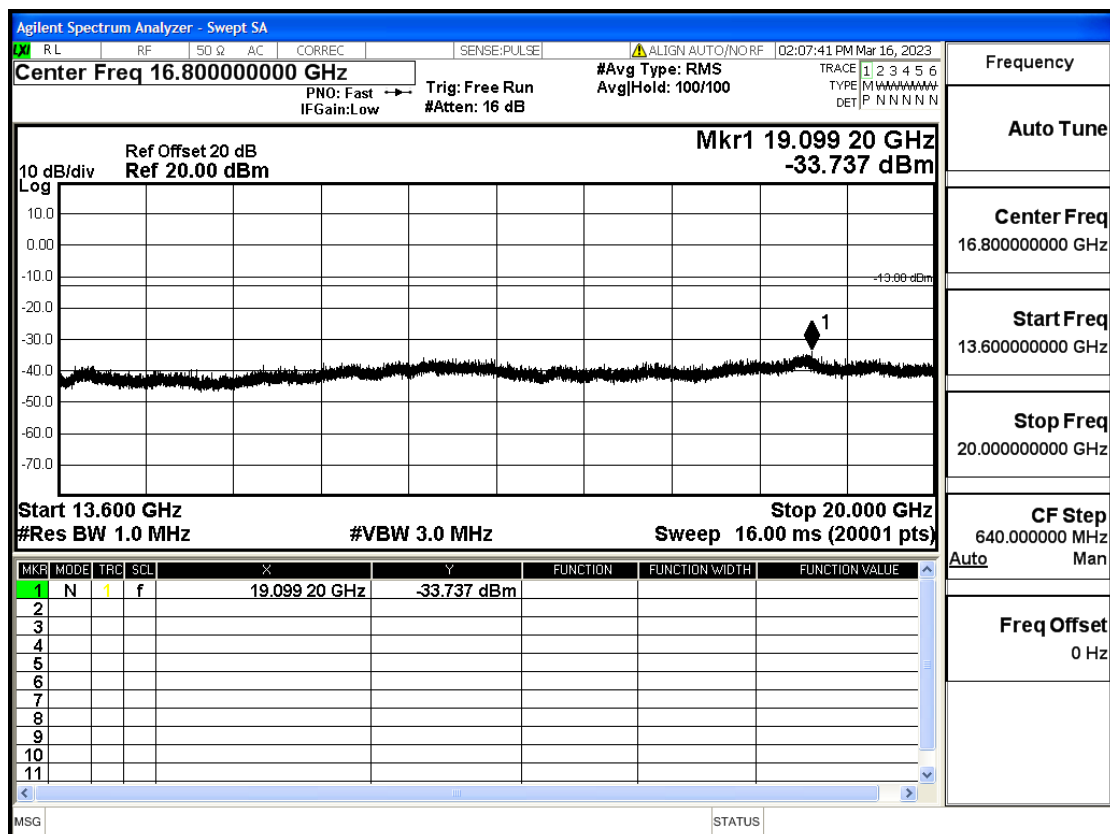
OB4-15-1717.5-QPSK-75#LOW@1GHz-7GHz@Pass



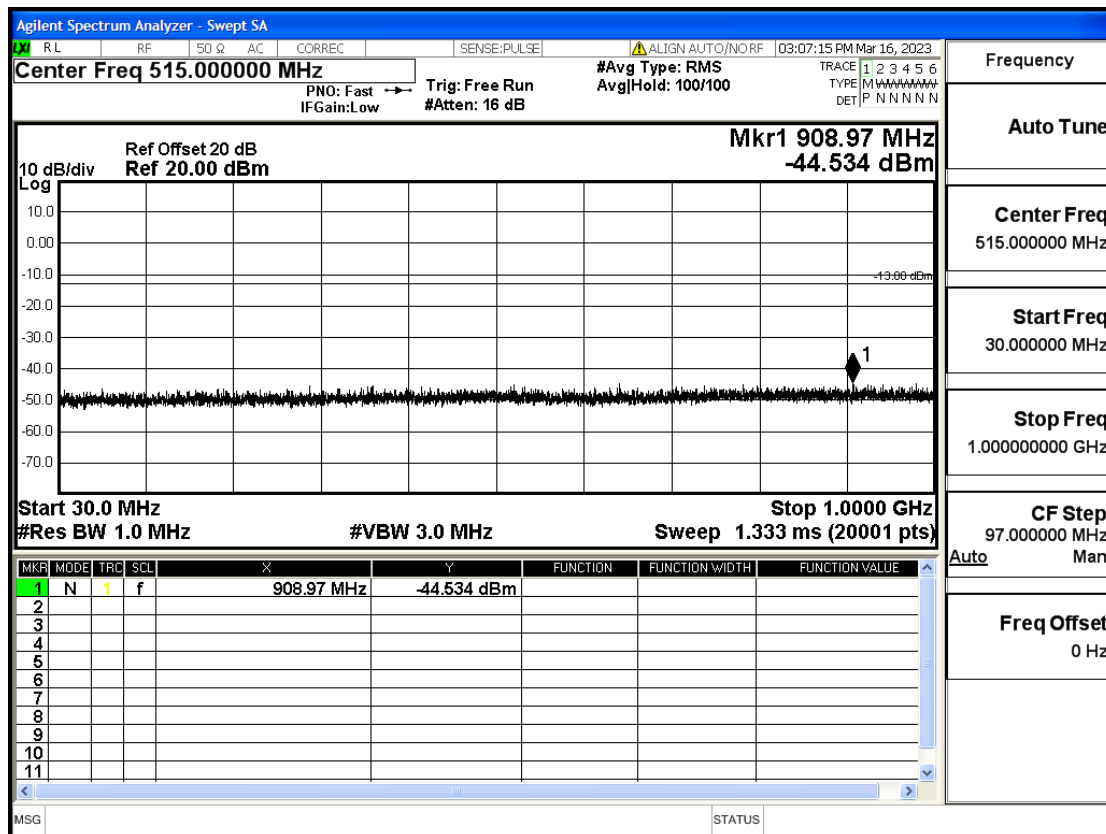
OB4-15-1717.5-QPSK-75#LOW@7GHz-13.6GHz@Pass



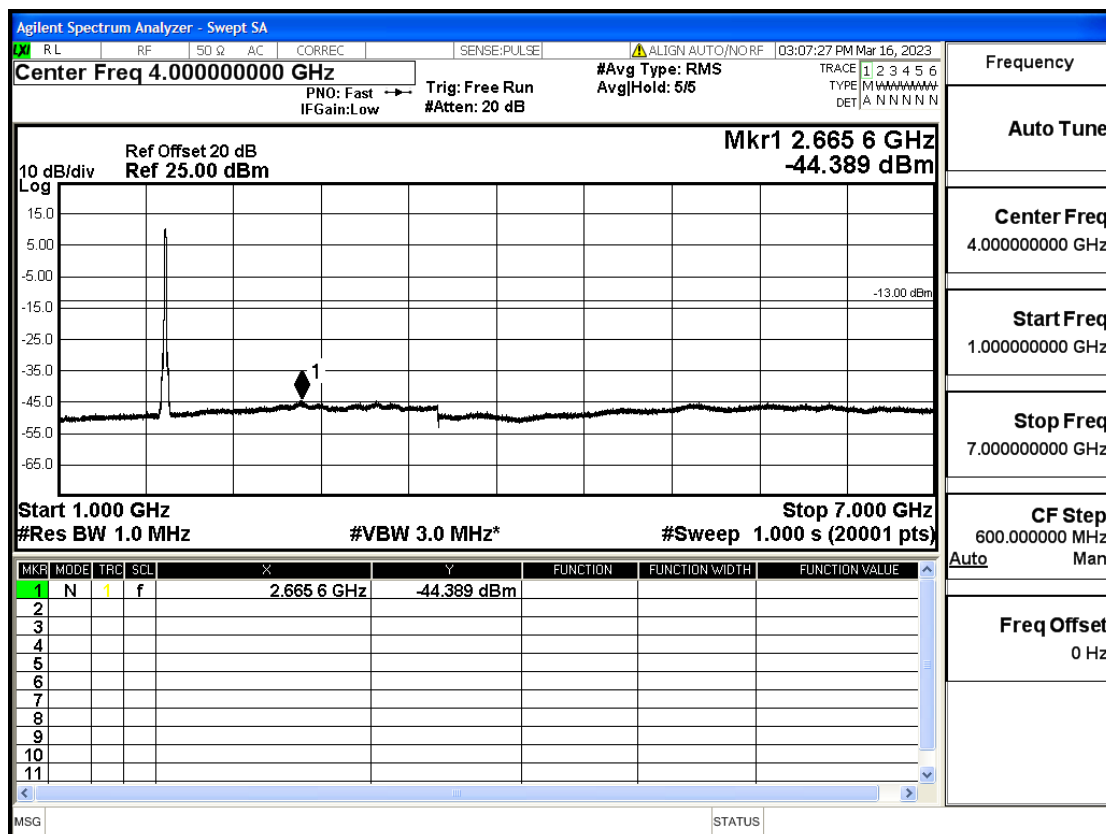
OB4-15-1717.5-QPSK-75#LOW@13.6GHz-20GHz@Pass



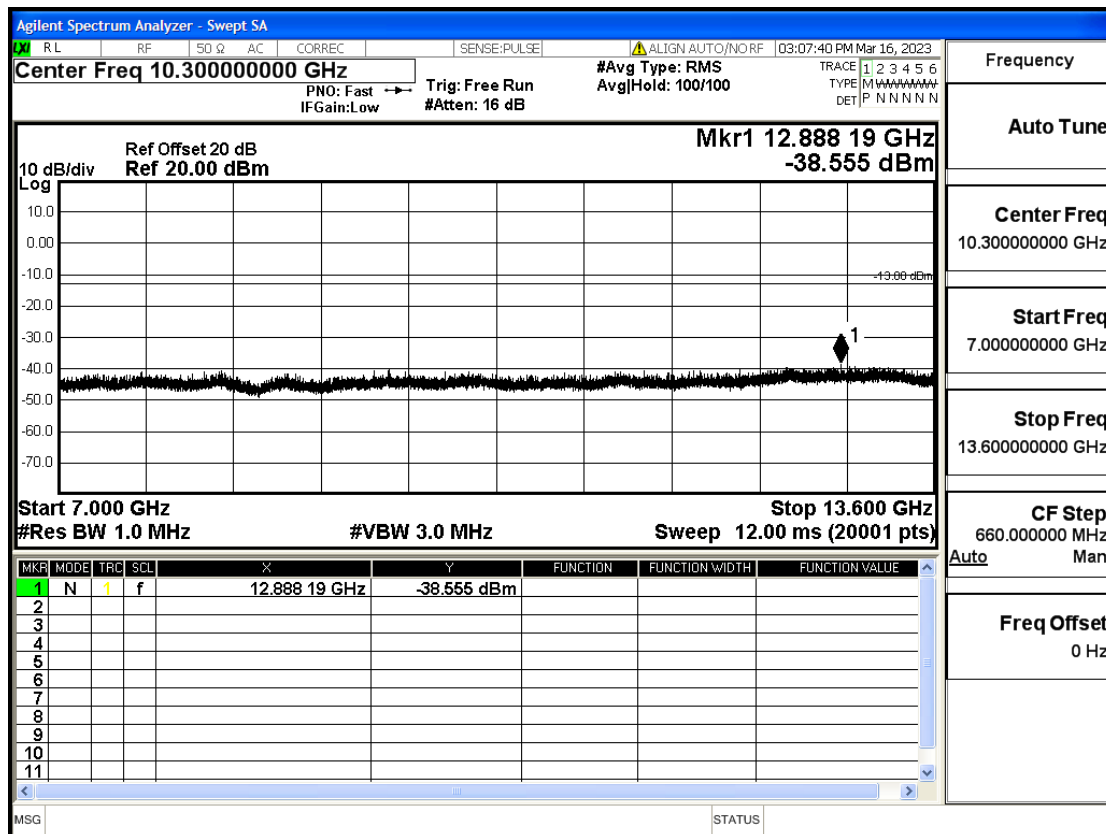
OB4-15-1732.5-QPSK-75#LOW@30mHz-1GHz@Pass



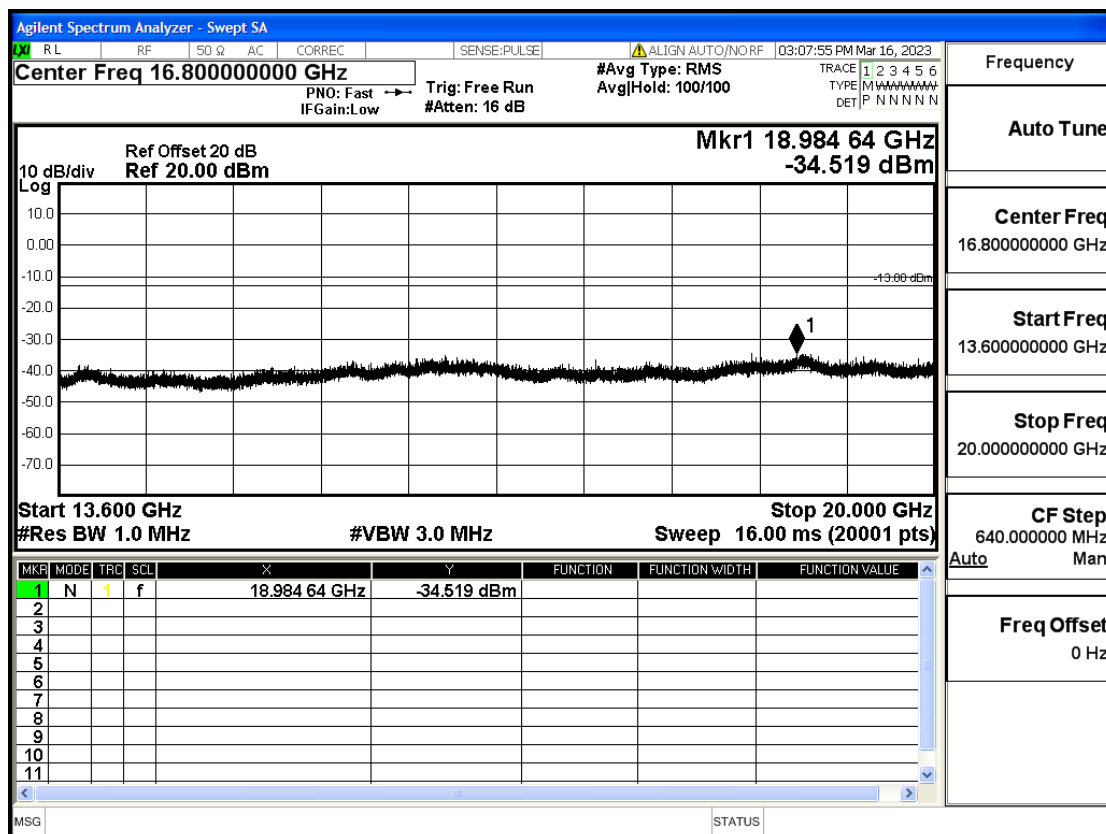
OB4-15-1732.5-QPSK-75#LOW@1GHz-7GHz@Pass



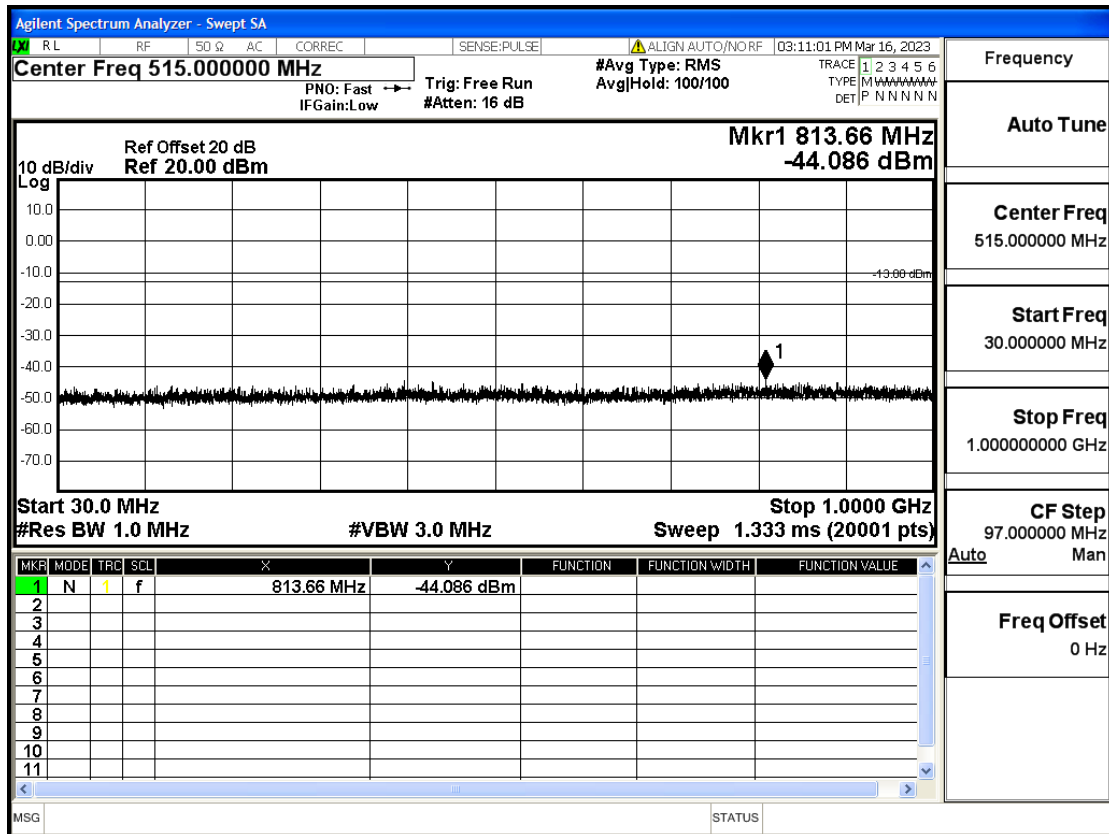
OB4-15-1732.5-QPSK-75#LOW@7GHz-13.6GHz@Pass



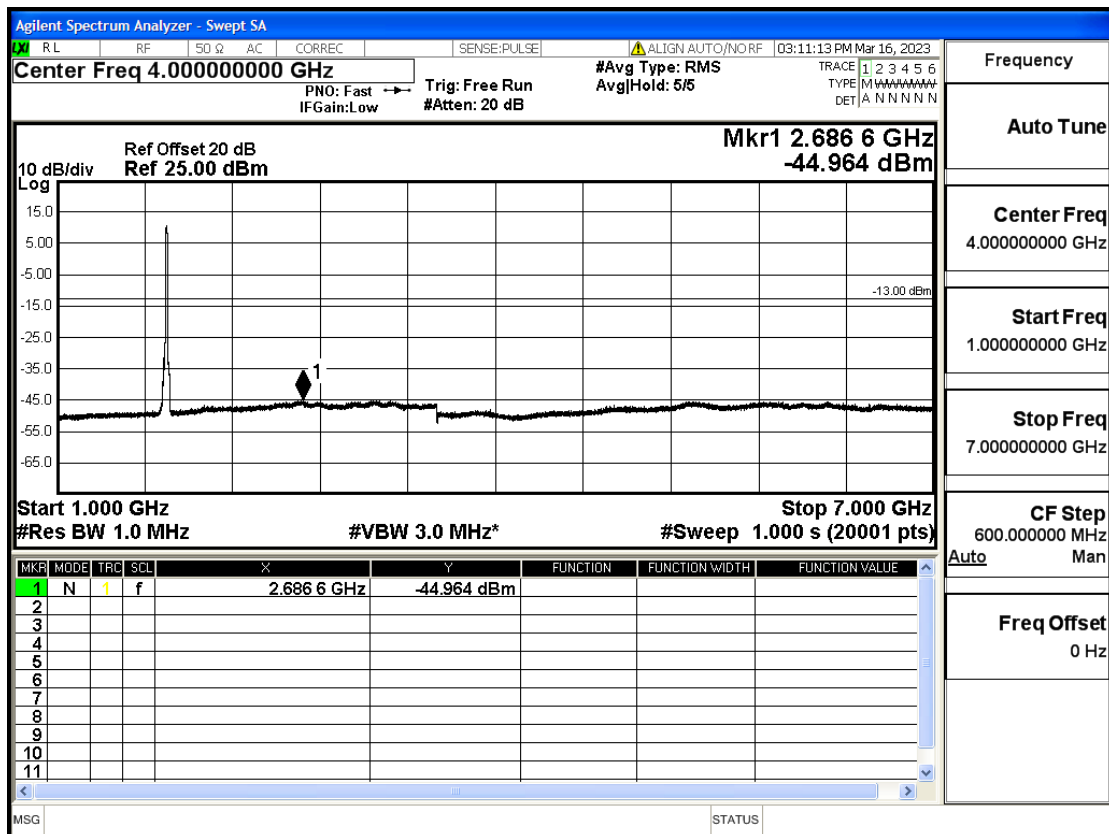
OB4-15-1732.5-QPSK-75#LOW@13.6GHz-20GHz@Pass



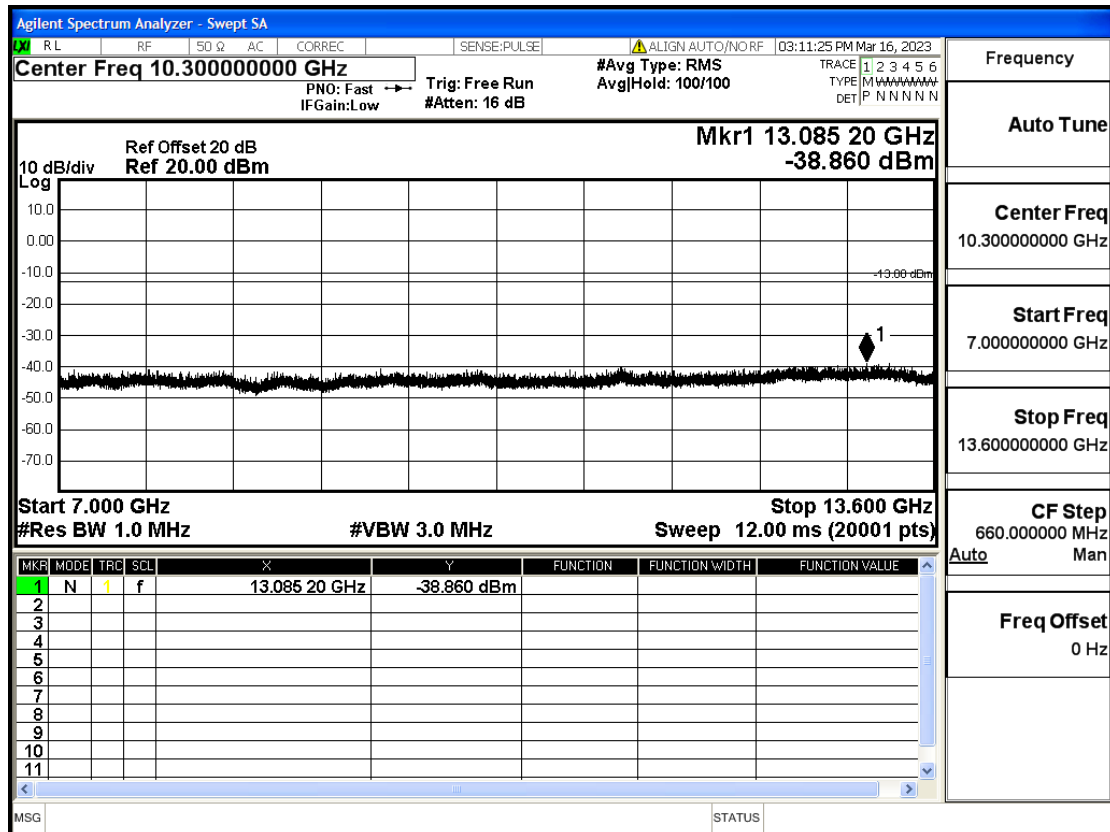
OB4-15-1747.5-QPSK-75#LOW@30mHz-1GHz@Pass



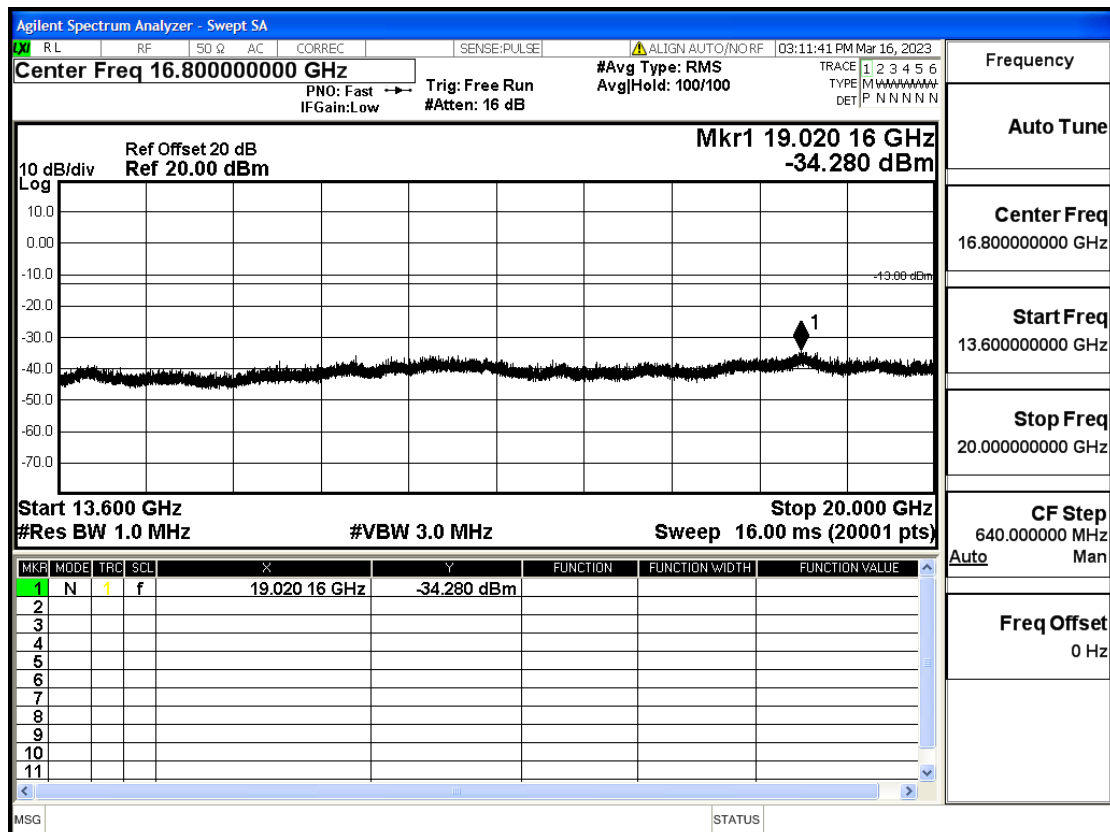
OB4-15-1747.5-QPSK-75#LOW@1GHz-7GHz@Pass



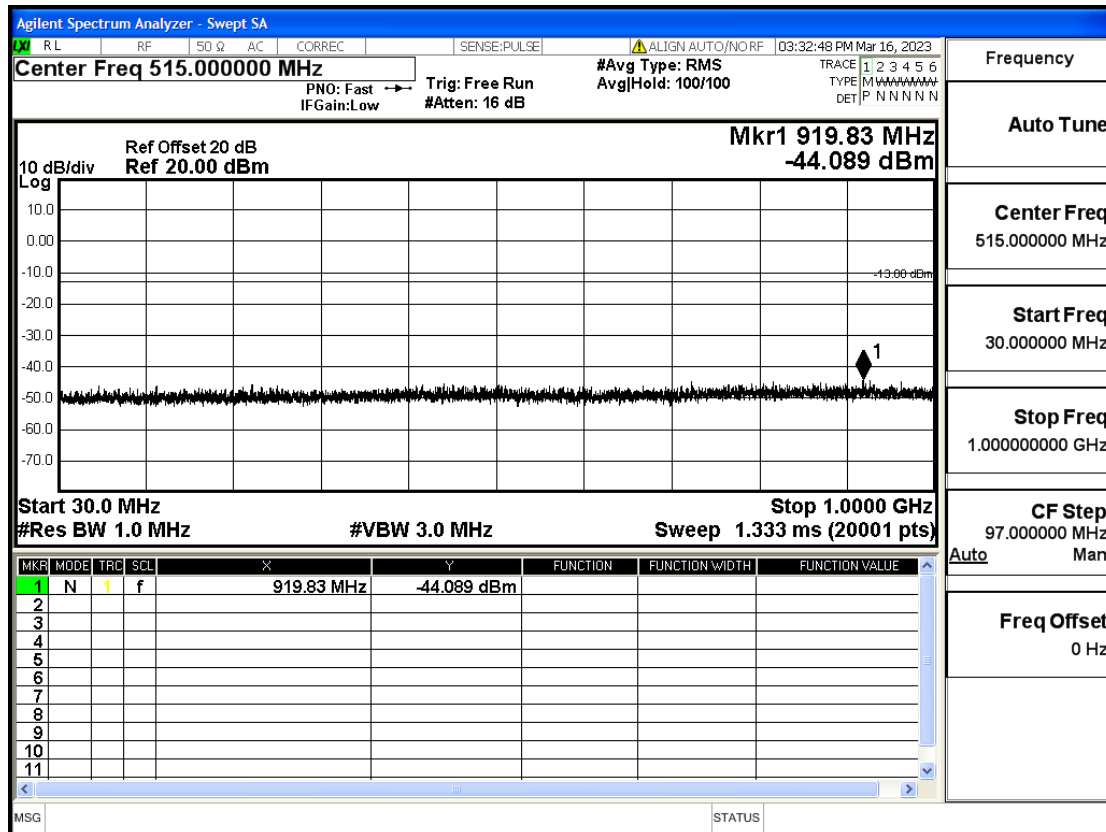
OB4-15-1747.5-QPSK-75#LOW@7GHz-13.6GHz@Pass



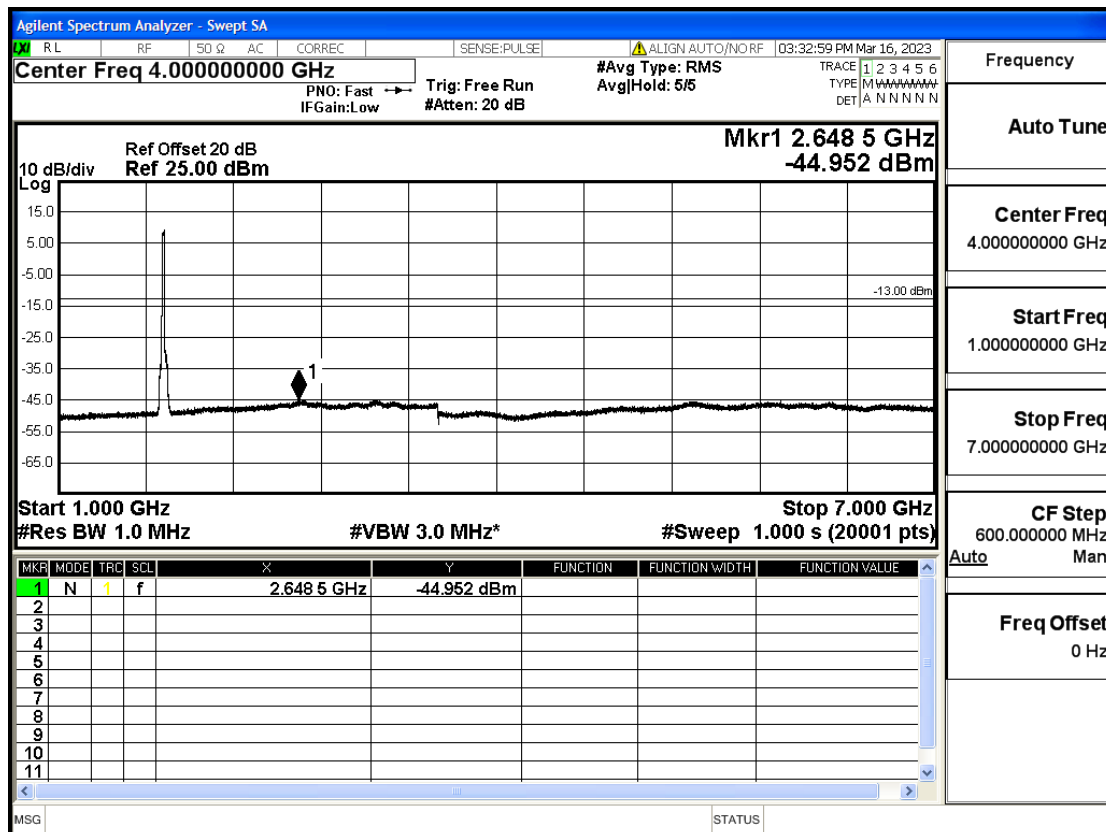
OB4-15-1747.5-QPSK-75#LOW@13.6GHz-20GHz@Pass



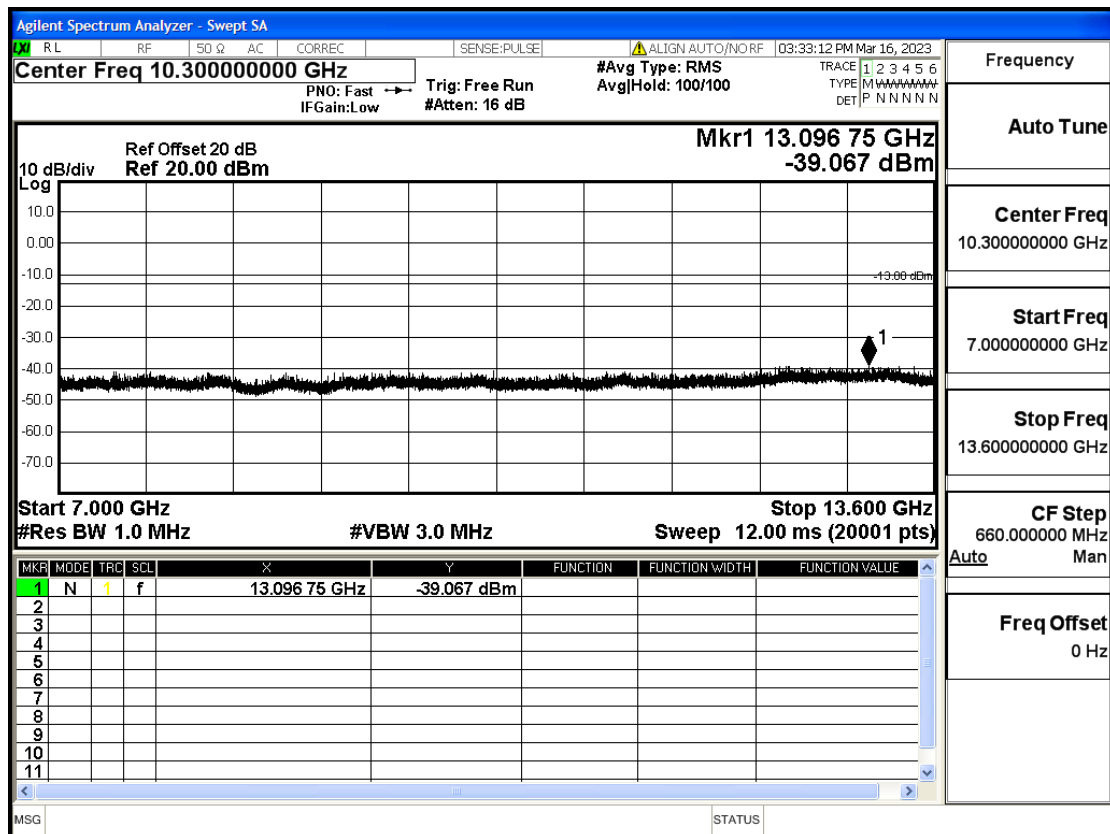
OB4-20-1720-QPSK-100#LOW@30mHz-1GHz@Pass



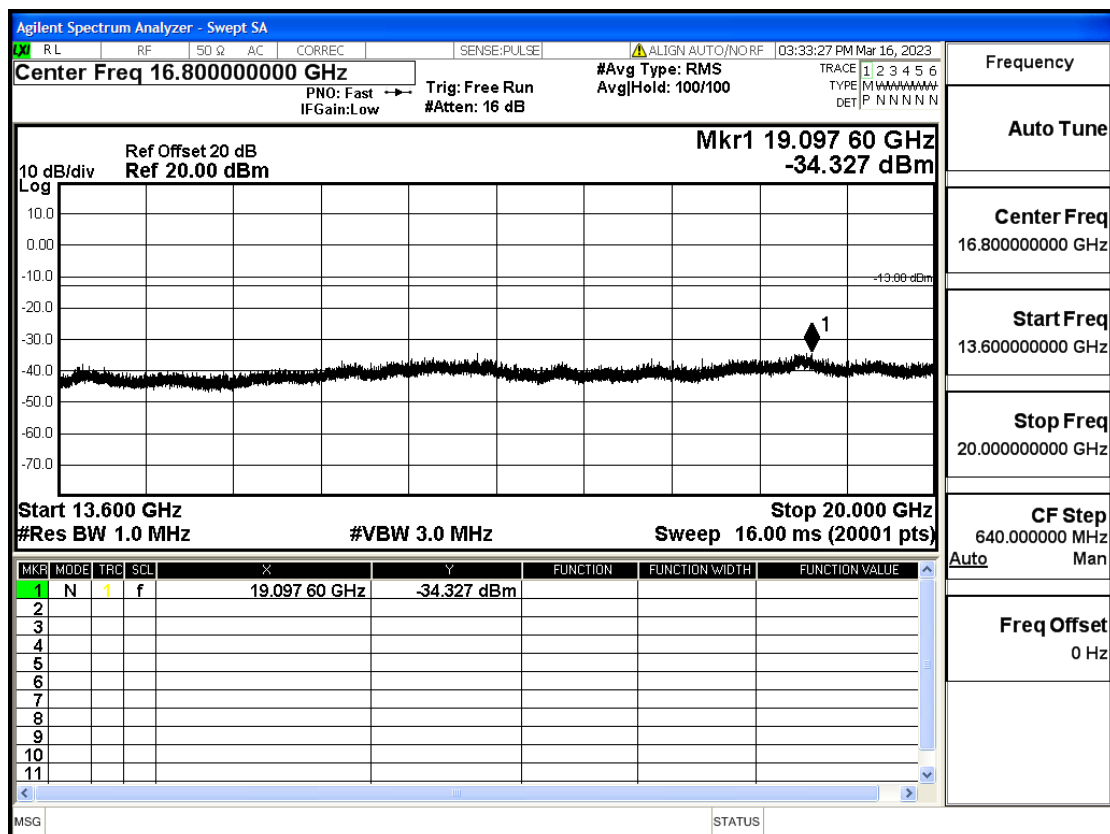
OB4-20-1720-QPSK-100#LOW@1GHz-7GHz@Pass



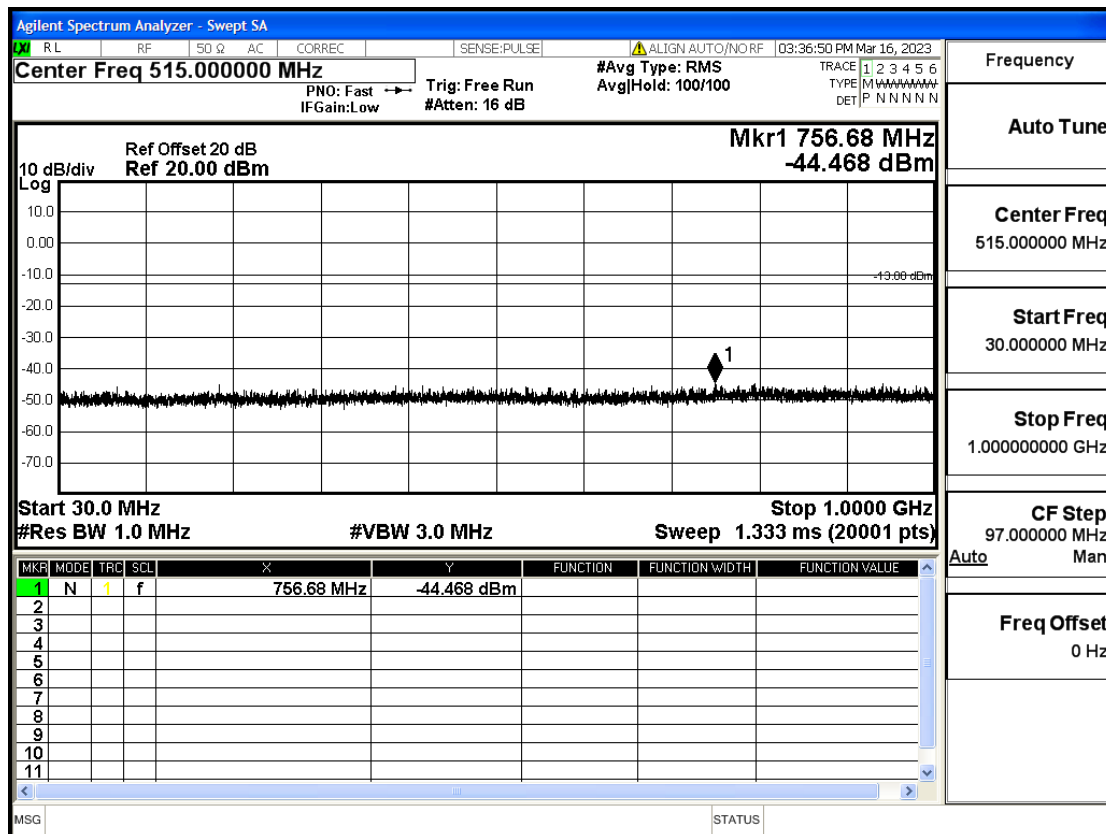
OB4-20-1720-QPSK-100#LOW@7GHz-13.6GHz@Pass



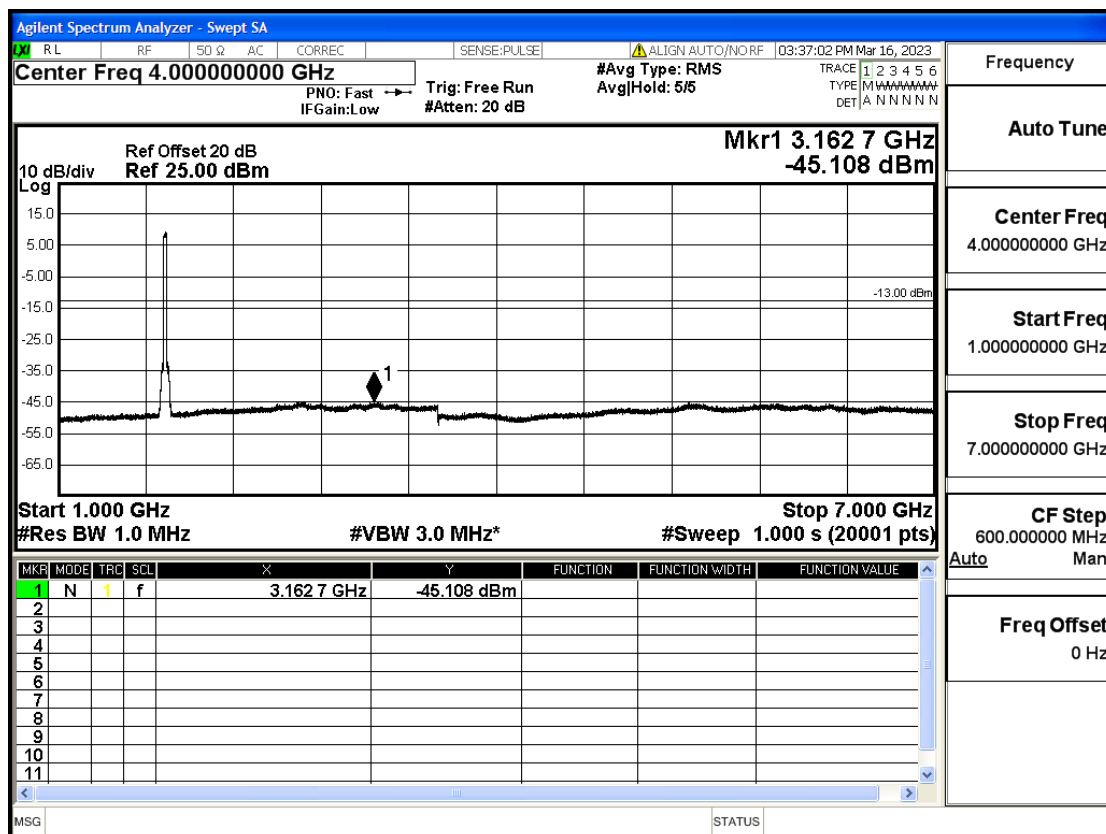
OB4-20-1720-QPSK-100#LOW@13.6GHz-20GHz@Pass



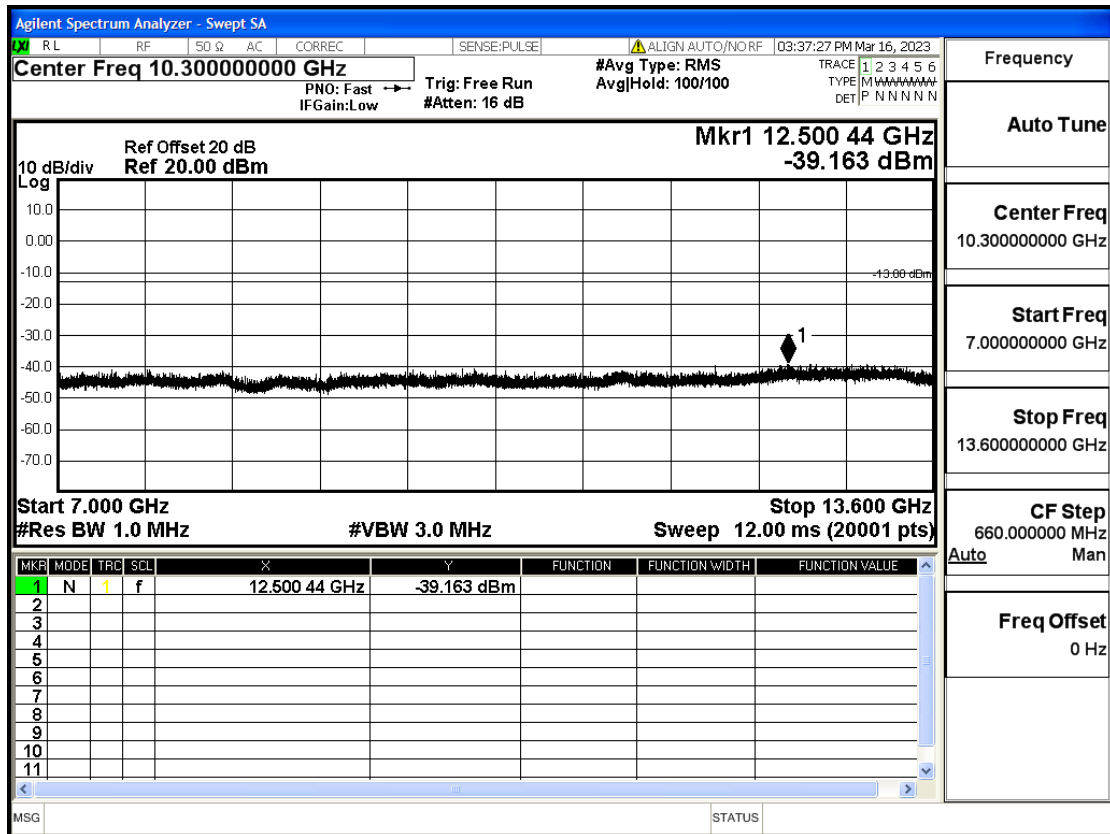
OB4-20-1732.5-QPSK-100#LOW@30MHz-1GHz@Pass



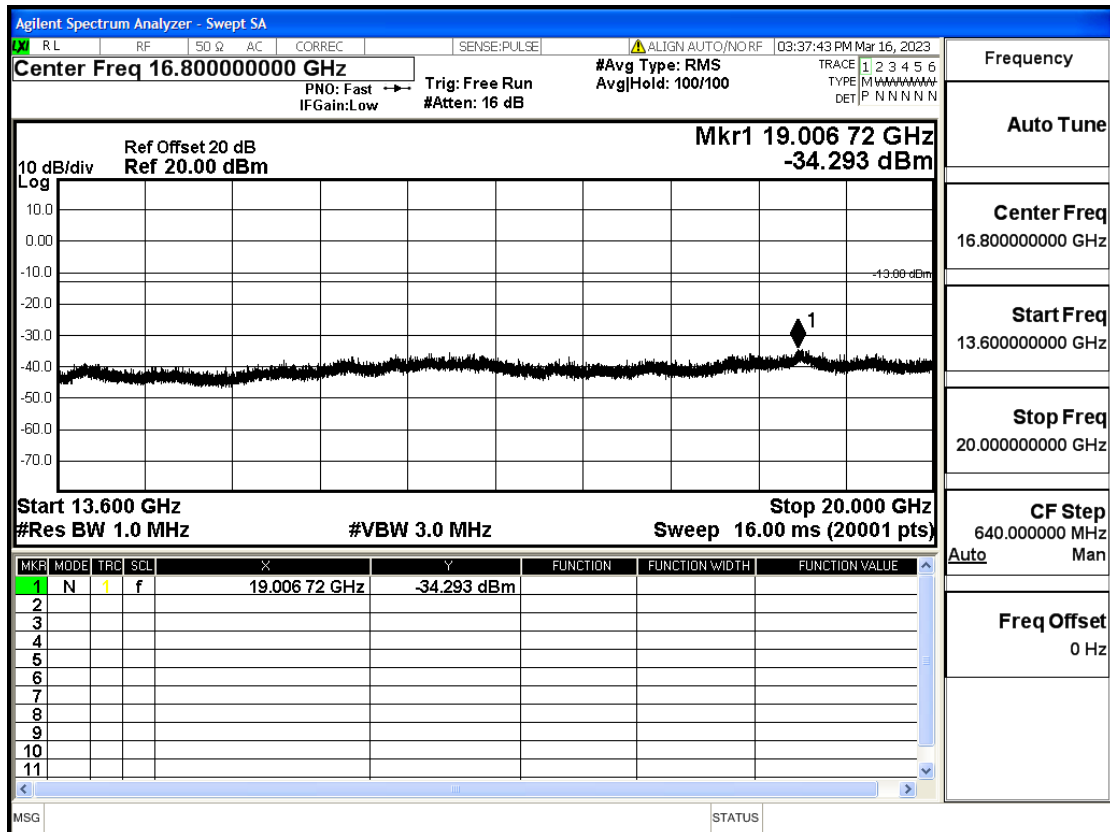
OB4-20-1732.5-QPSK-100#LOW@1GHz-7GHz@Pass



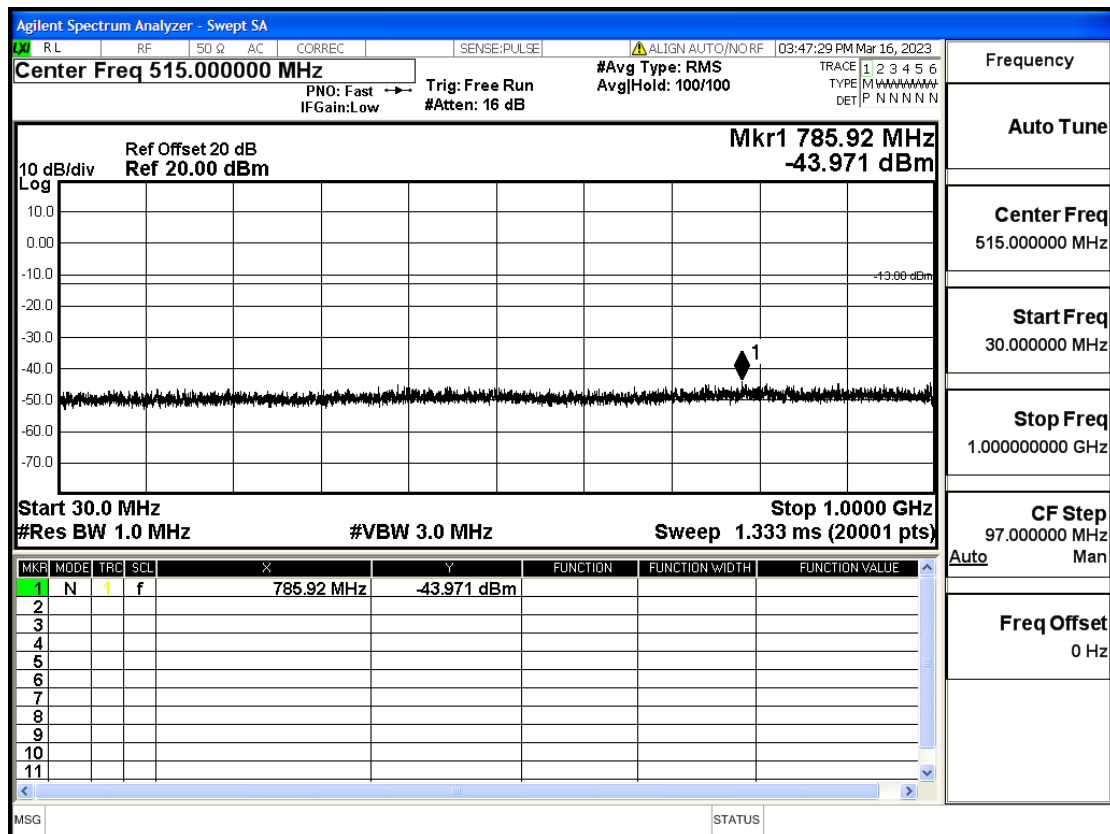
OB4-20-1732.5-QPSK-100#LOW@7GHz-13.6GHz@Pass



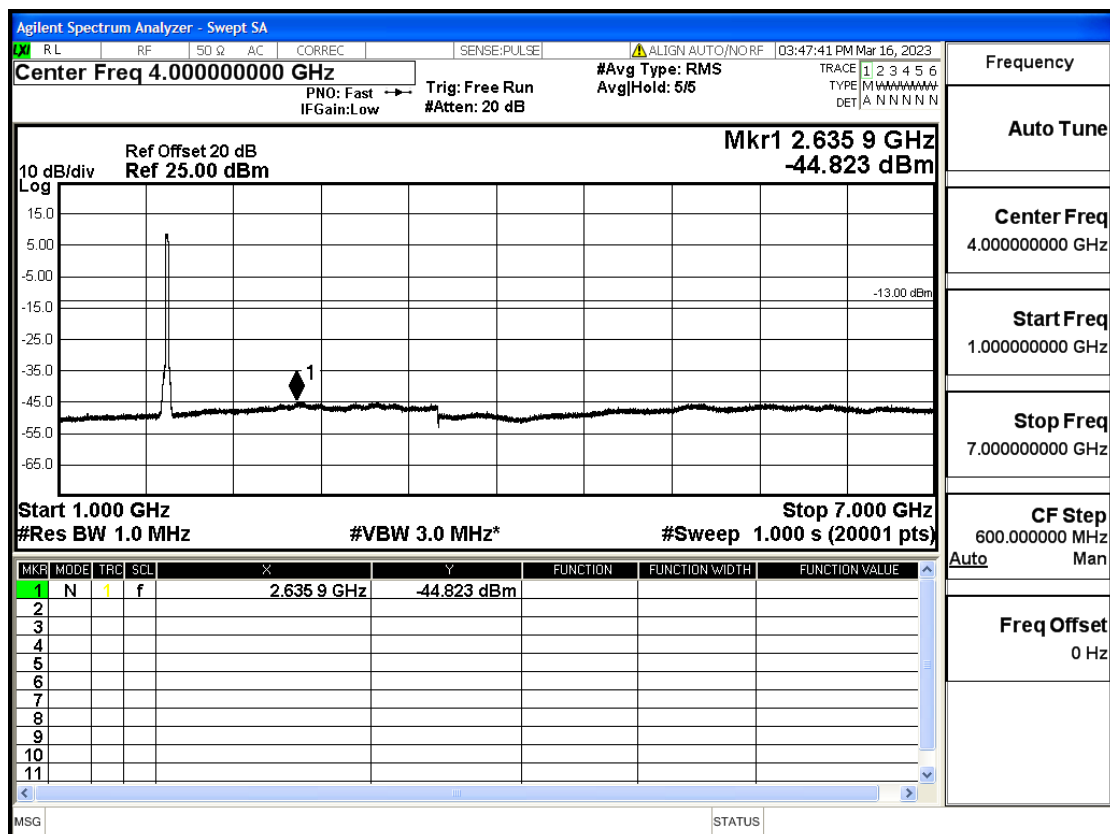
OB4-20-1732.5-QPSK-100#LOW@13.6GHz-20GHz@Pass



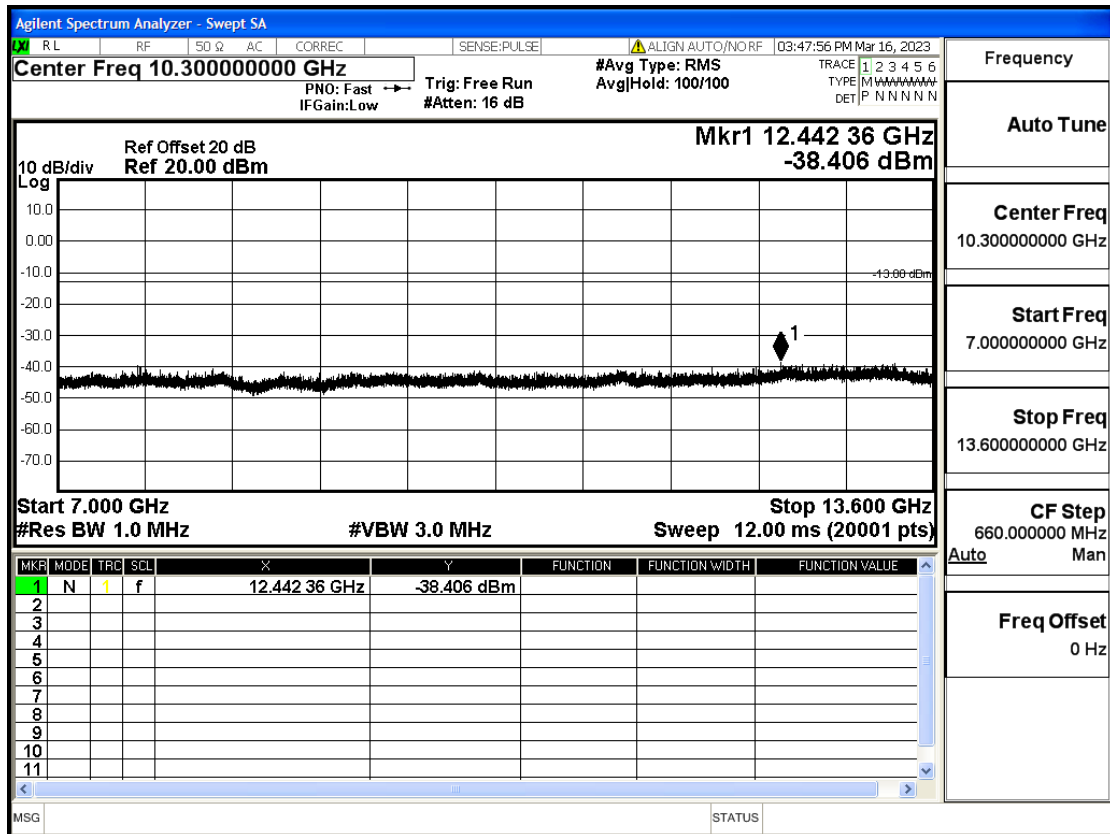
OB4-20-1745-QPSK-100#LOW@30mHz-1GHz@Pass



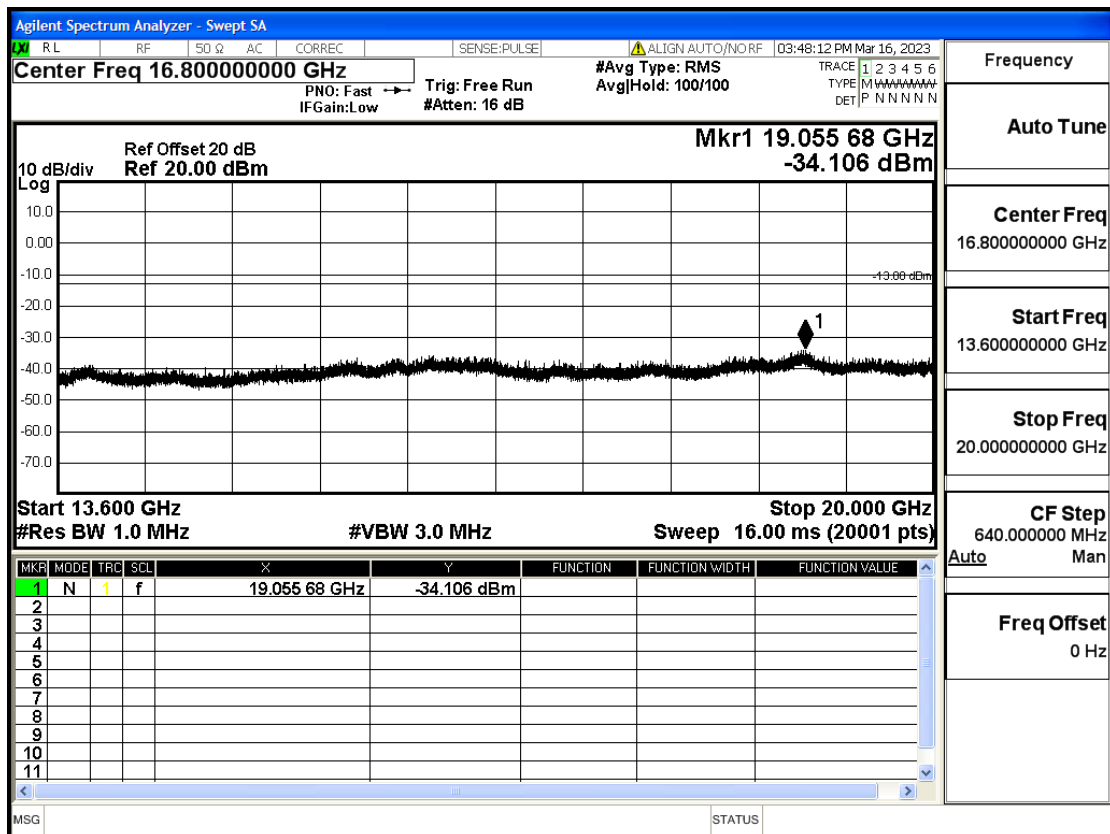
OB4-20-1745-QPSK-100#LOW@1GHz-7GHz@Pass



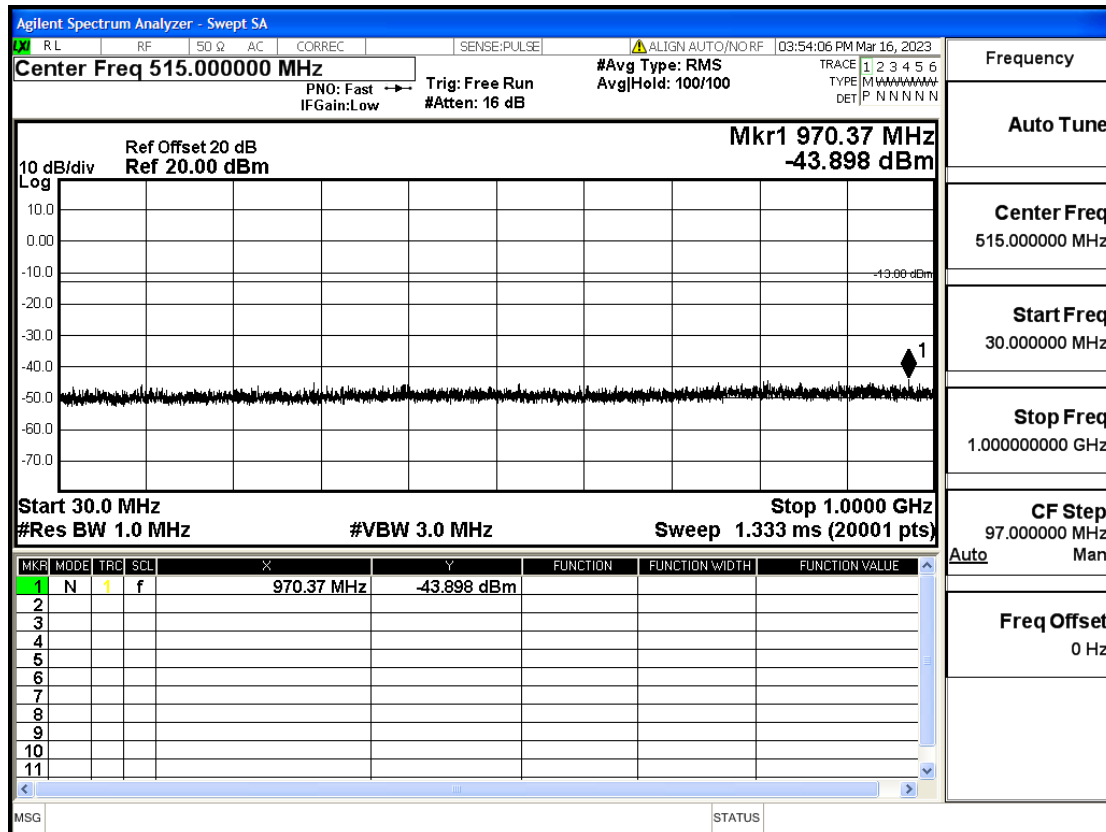
OB4-20-1745-QPSK-100#LOW@7GHz-13.6GHz@Pass



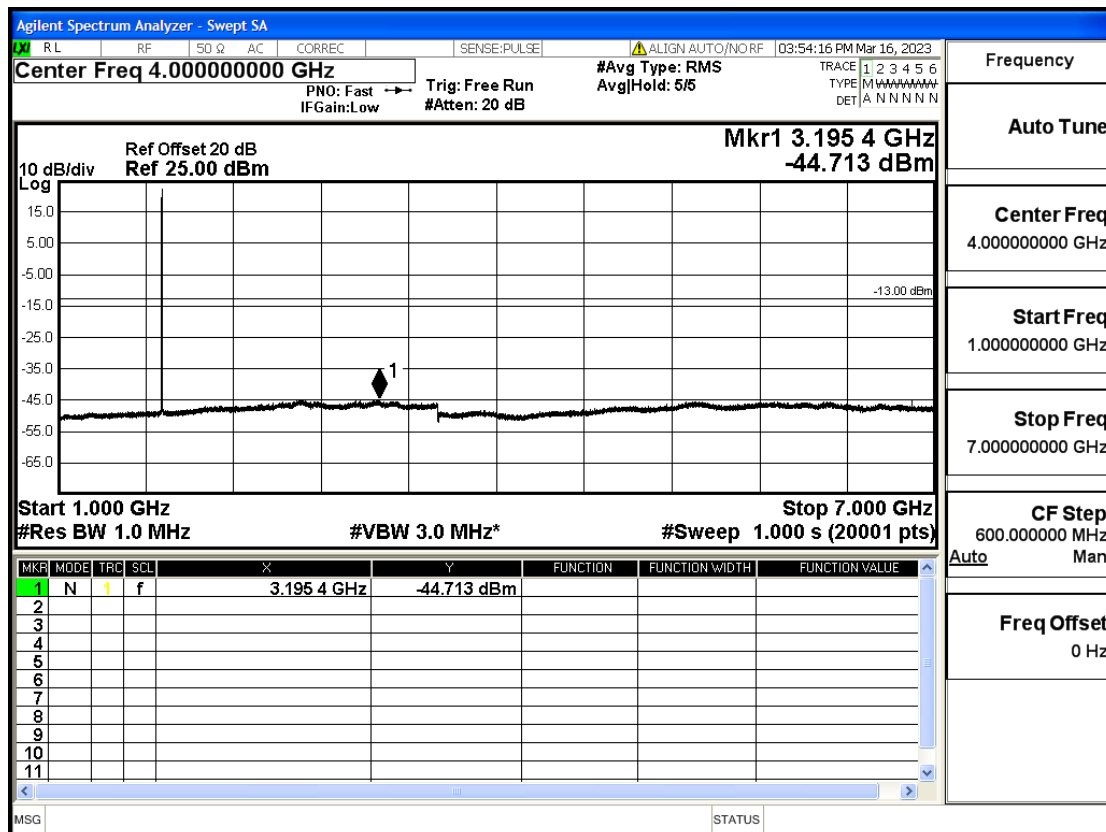
OB4-20-1745-QPSK-100#LOW@13.6GHz-20GHz@Pass



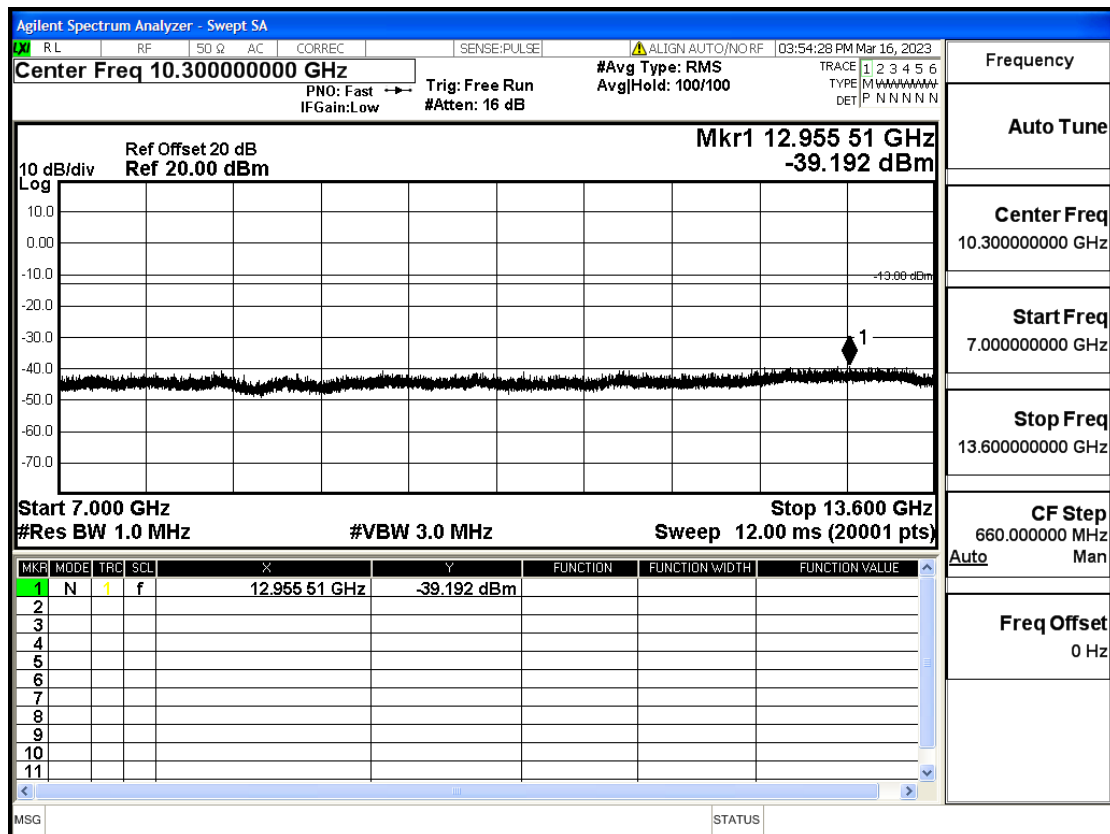
OB4-1.4-1710.7-Q16-6#LOW@30mHz-1GHz@Pass



OB4-1.4-1710.7-Q16-6#LOW@1GHz-7GHz@Pass



OB4-1.4-1710.7-Q16-6#LOW@7GHz-13.6GHz@Pass



OB4-1.4-1710.7-Q16-6#LOW@13.6GHz-20GHz@Pass

