

RF Test Data for LTE (Conducted Measurement)

Product Name: smart phone

Trade Mark: YEZZ

Test Model: MAX 3

FCC ID: 2APW4MAX3

Environmental Conditions

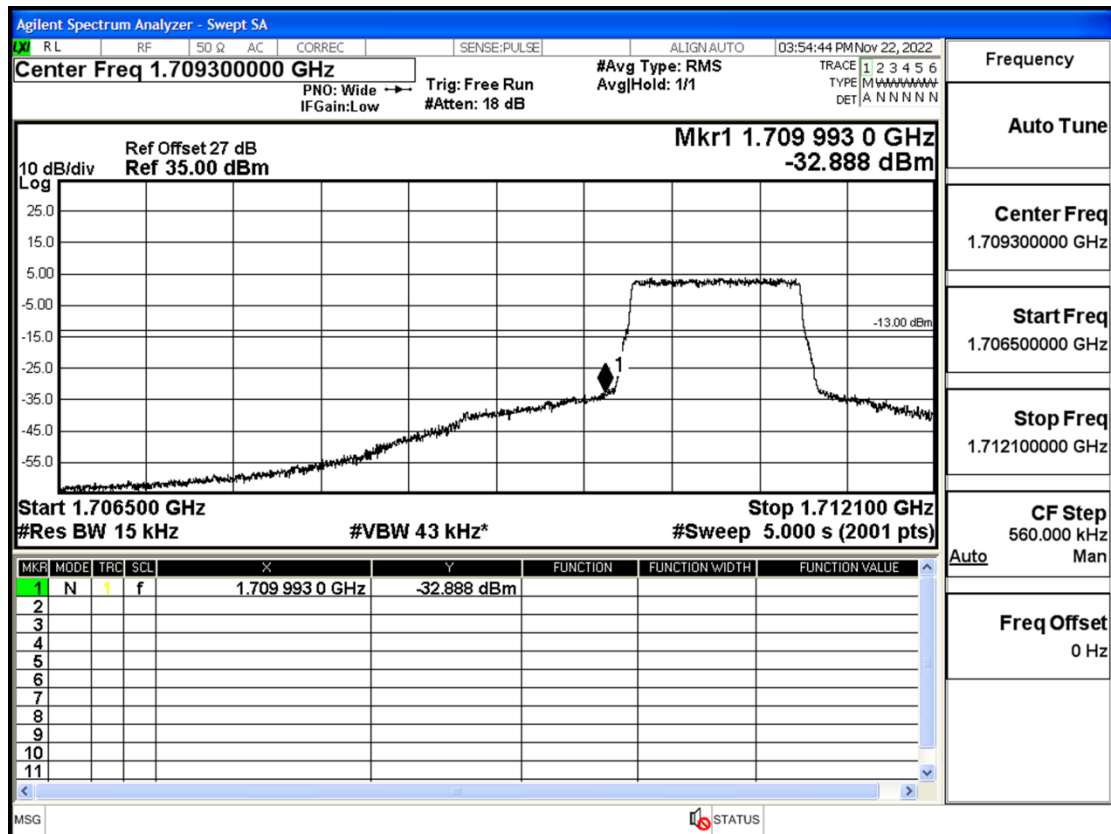
Temperature:	23.8℃
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
Remark:	For LTE Band4

Band Edge and Emission Mask

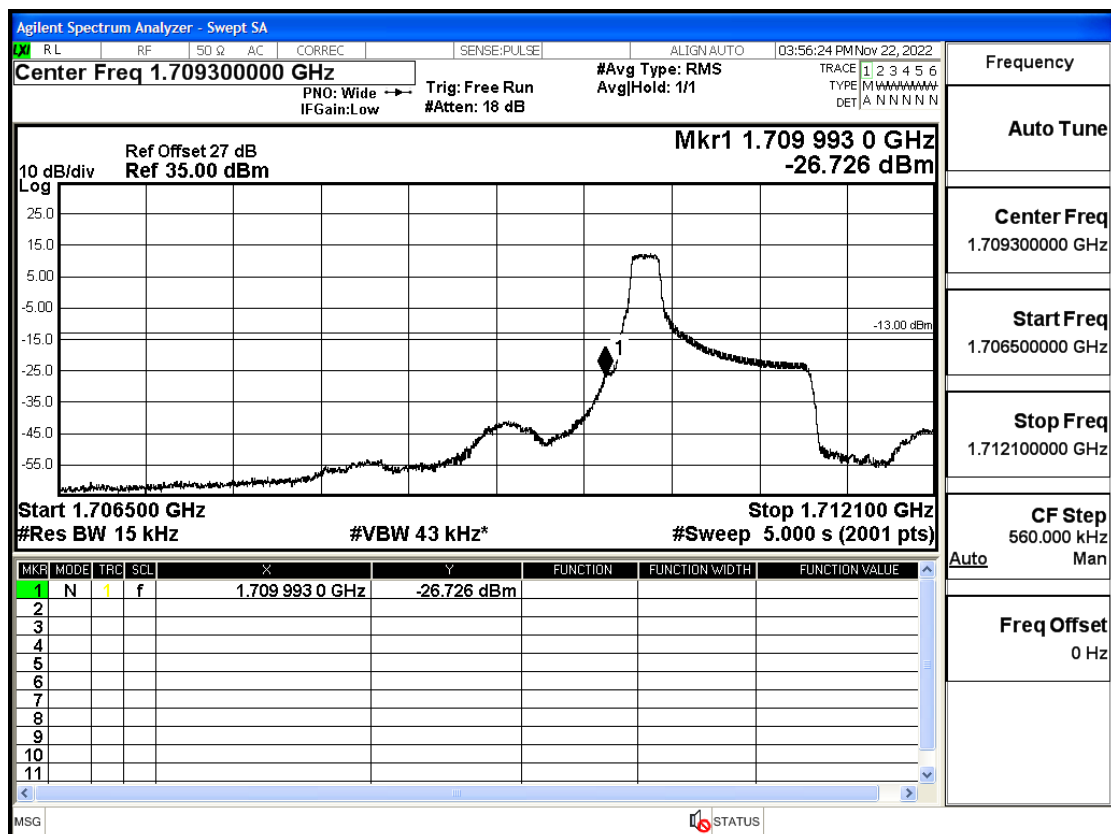
Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Conclusion
Band4	1.4	1710.7	QPSK	6	LOW	Pass
Band4	1.4	1710.7	QPSK	1	LOW	Pass
Band4	1.4	1710.7	16QAM	6	LOW	Pass
Band4	1.4	1710.7	16QAM	1	LOW	Pass
Band4	1.4	1754.3	QPSK	6	LOW	Pass
Band4	1.4	1754.3	QPSK	1	HIGH	Pass
Band4	1.4	1754.3	16QAM	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

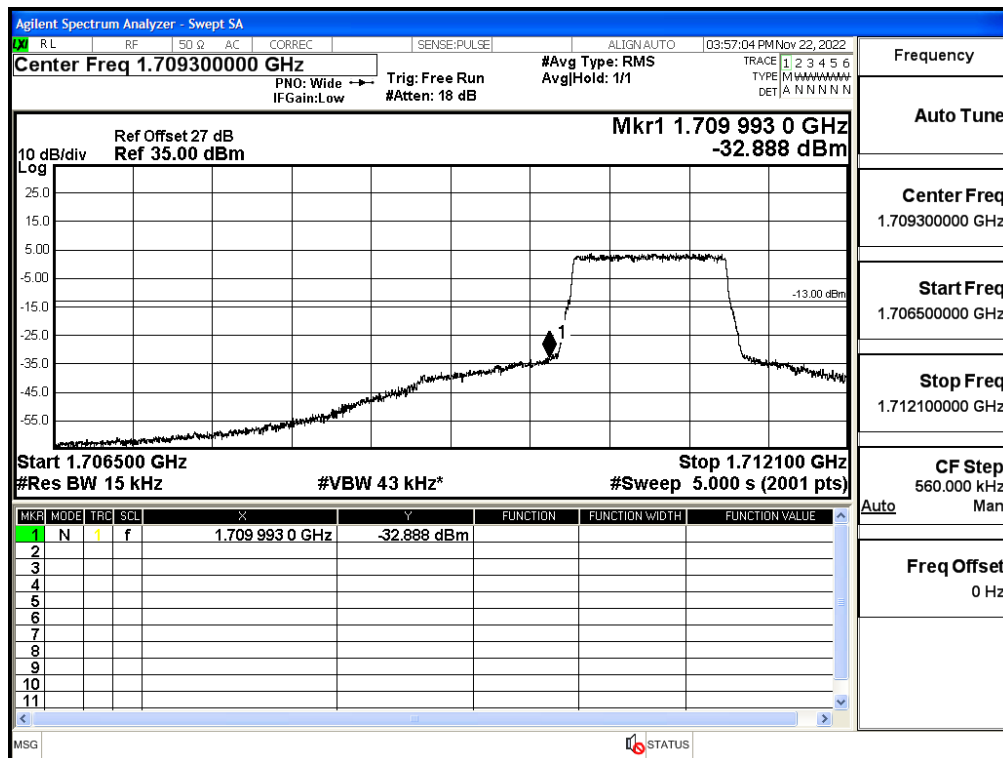
Band4-1.4-1710.7-QPSK-6#LOW@Pass



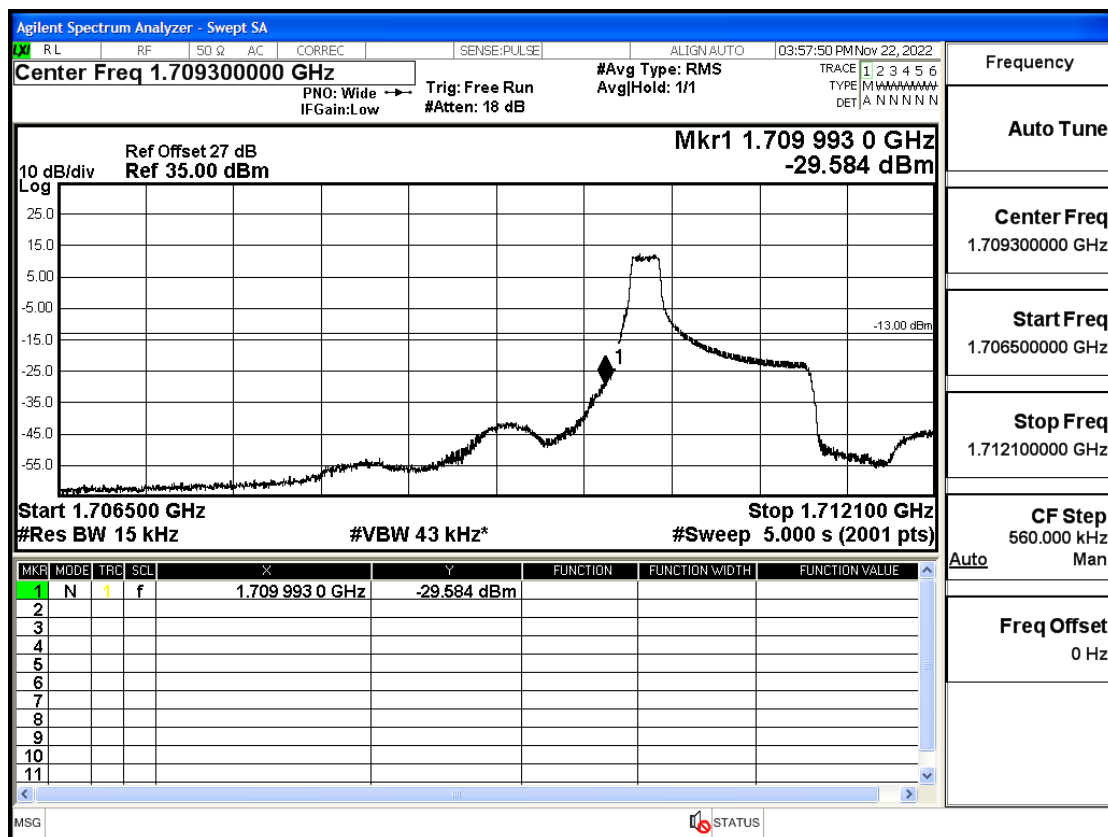
Band4-1.4-1710.7-QPSK-1#LOW@Pass



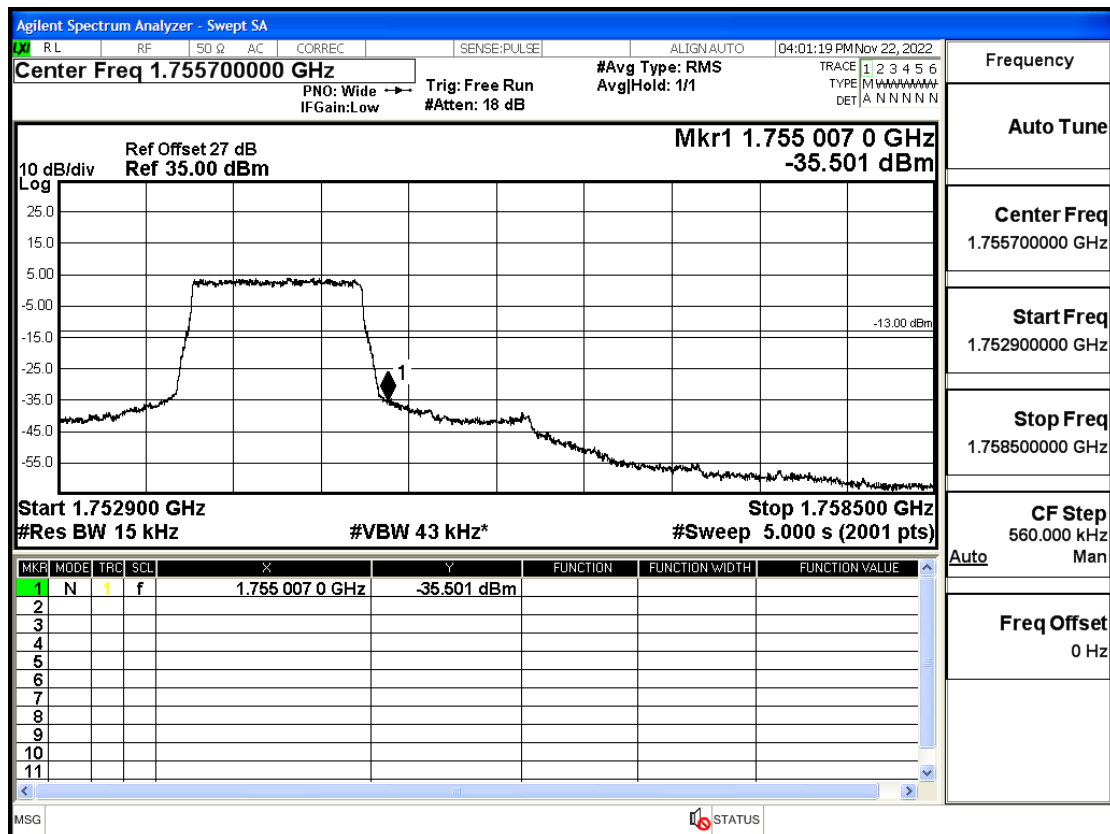
Band4-1.4-1710.7-16QAM-6#LOW@Pass



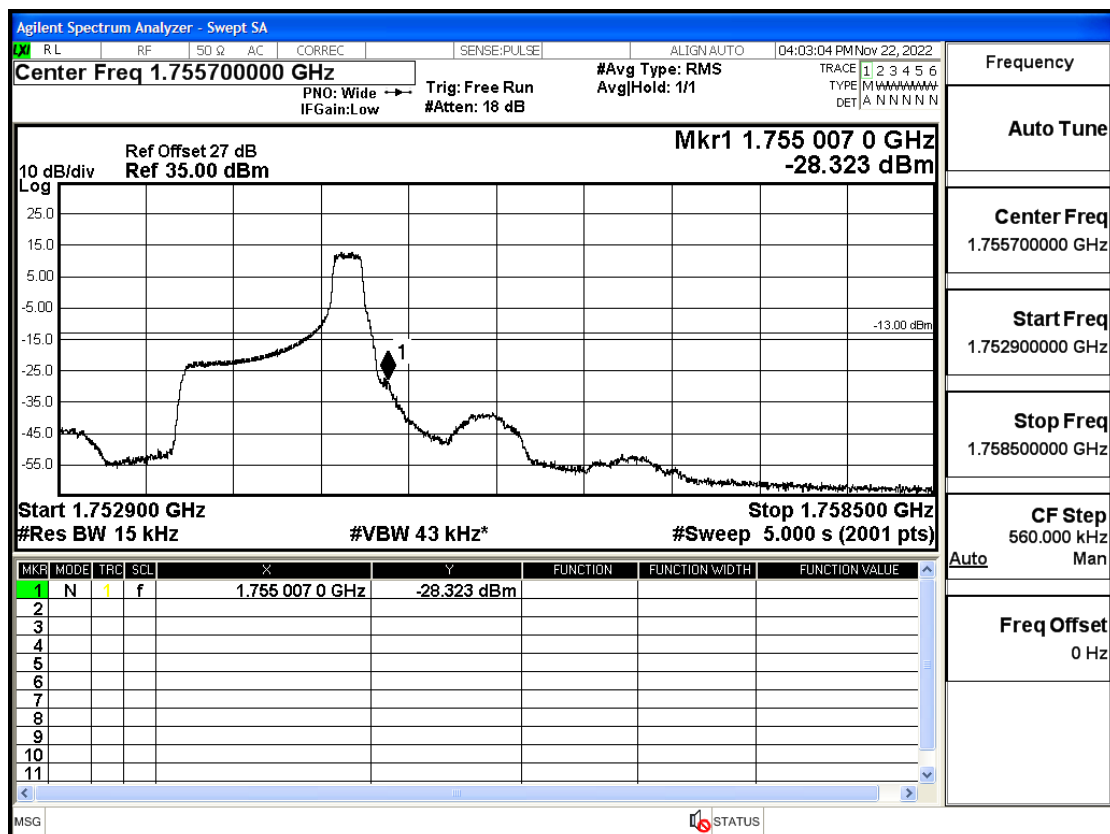
Band4-1.4-1710.7-16QAM-1#LOW@Pass



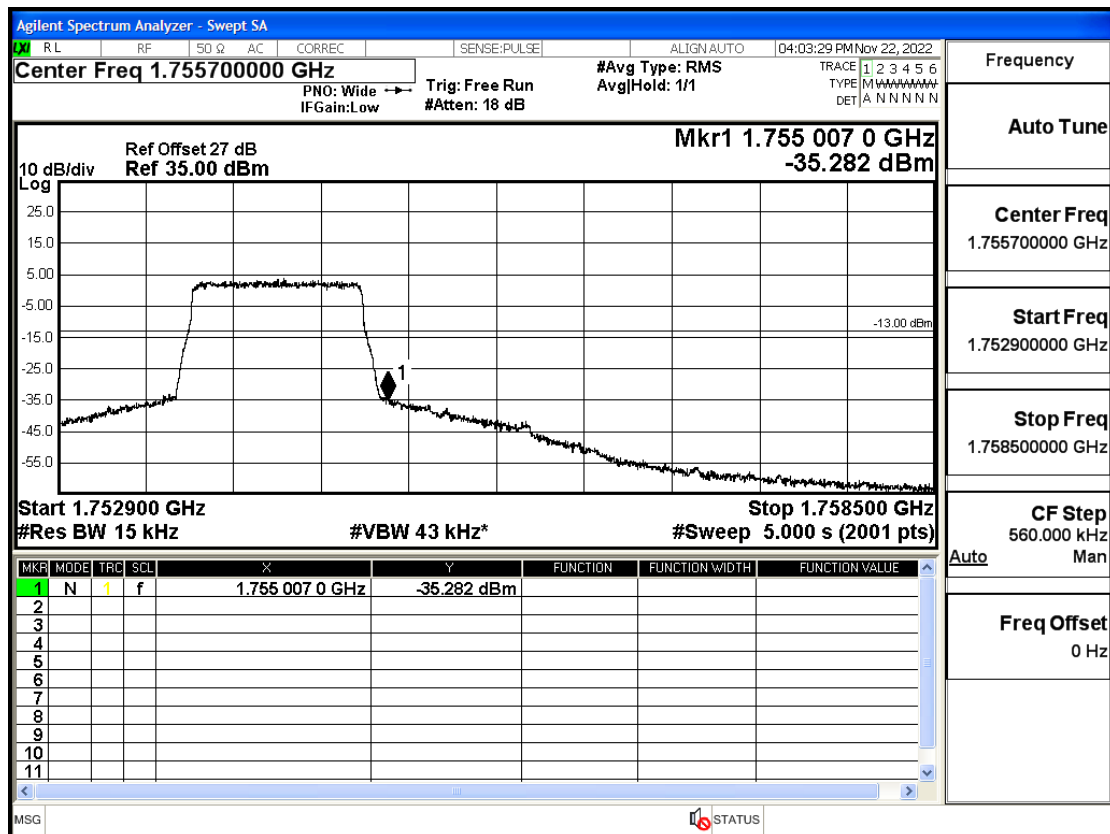
Band4-1.4-1754.3-QPSK-6#LOW@Pass



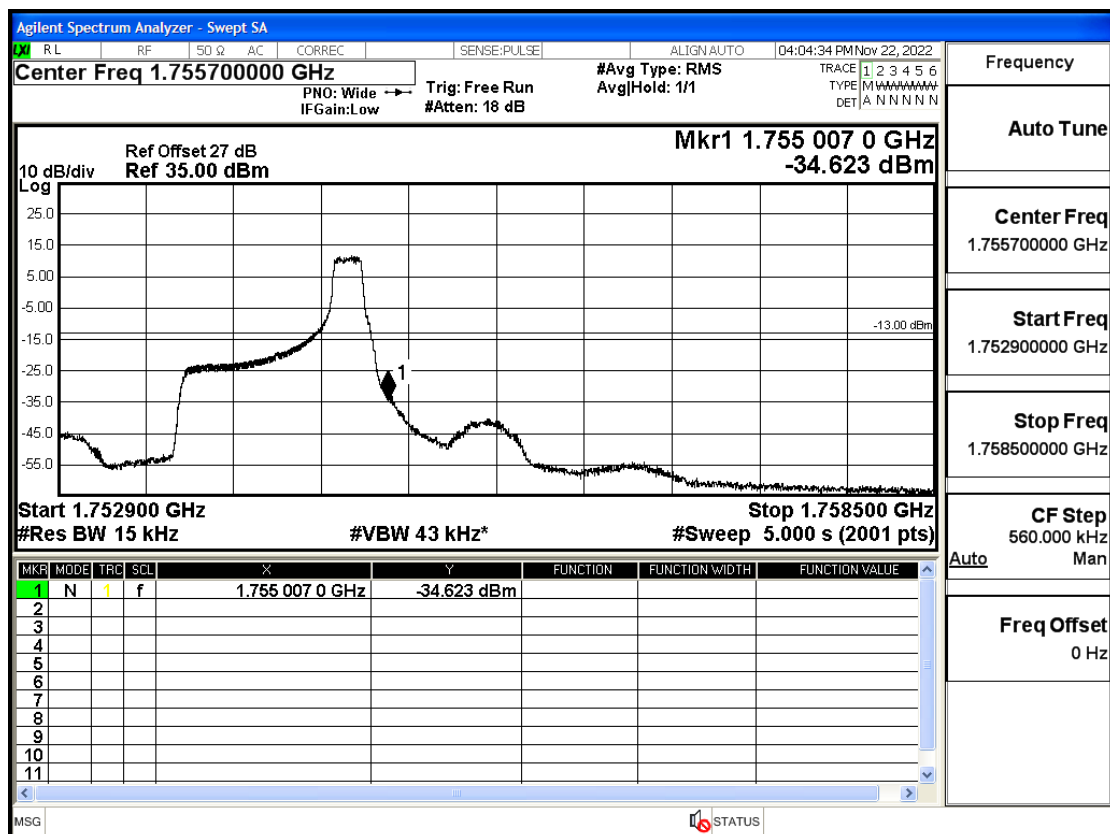
Band4-1.4-1754.3-QPSK-1#HIGH@Pass



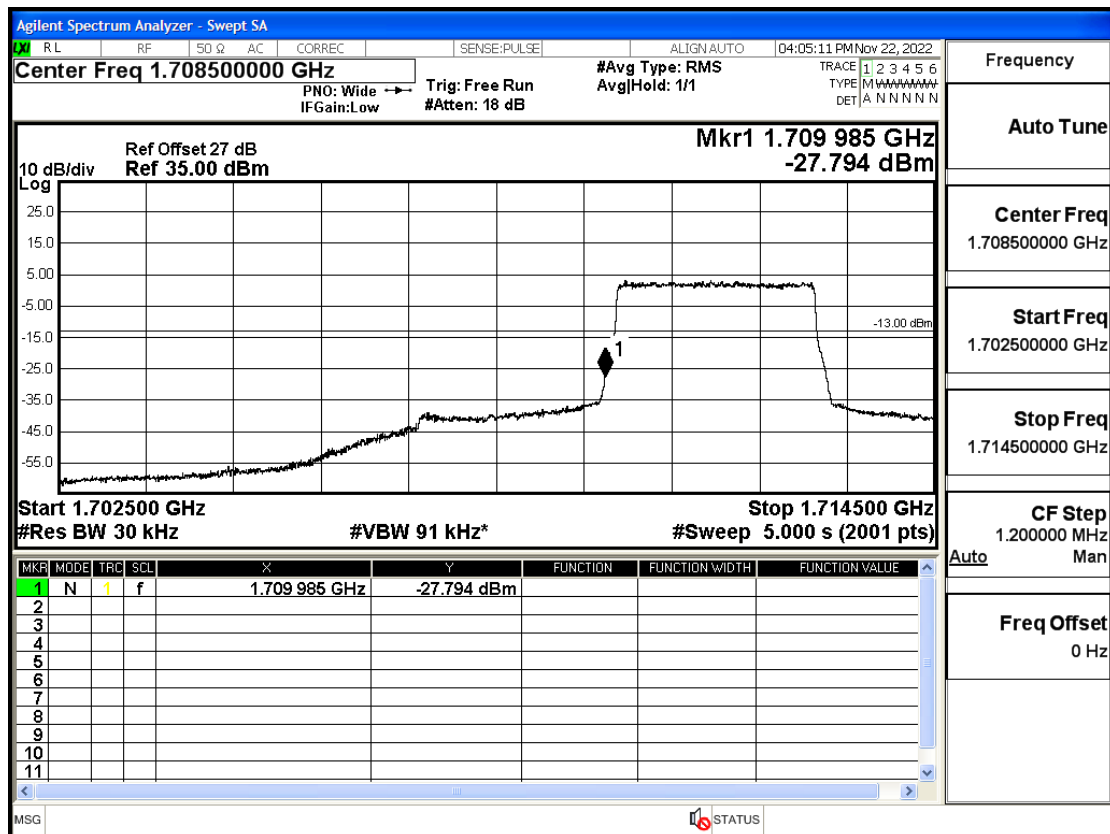
Band4-1.4-1754.3-16QAM-6#LOW@Pass



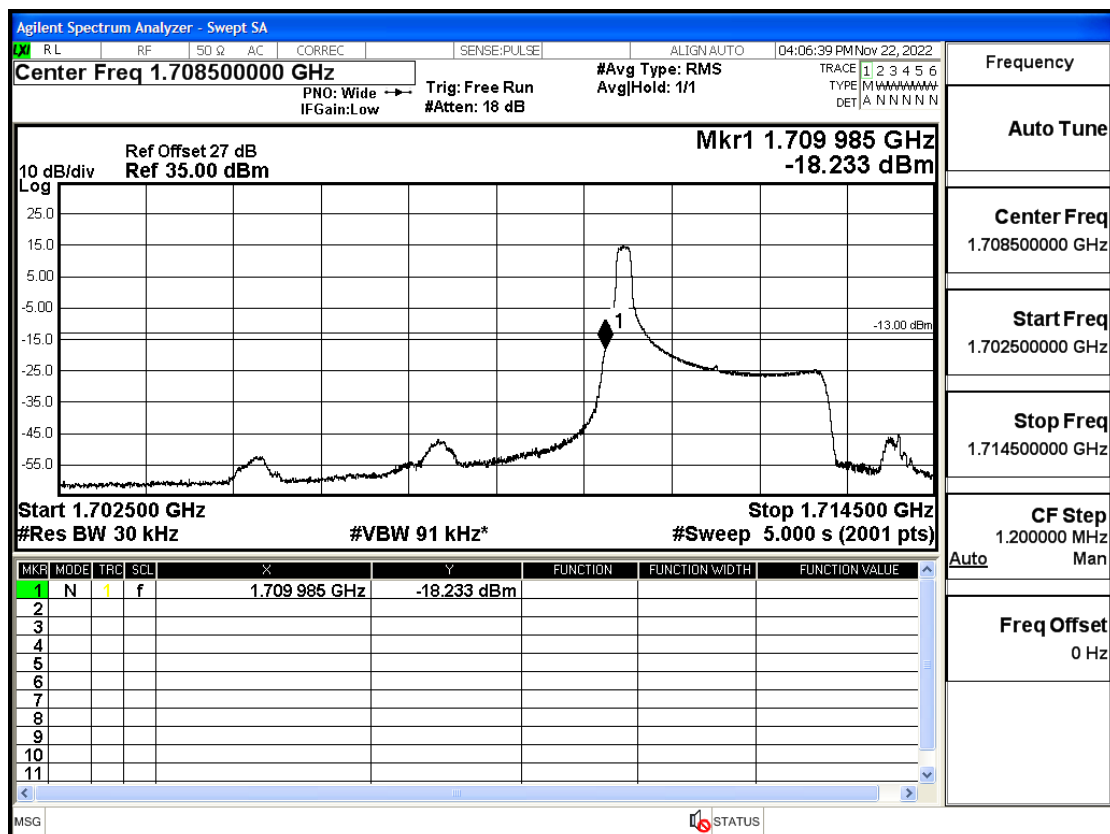
Band4-1.4-1754.3-16QAM-1#HIGH@Pass



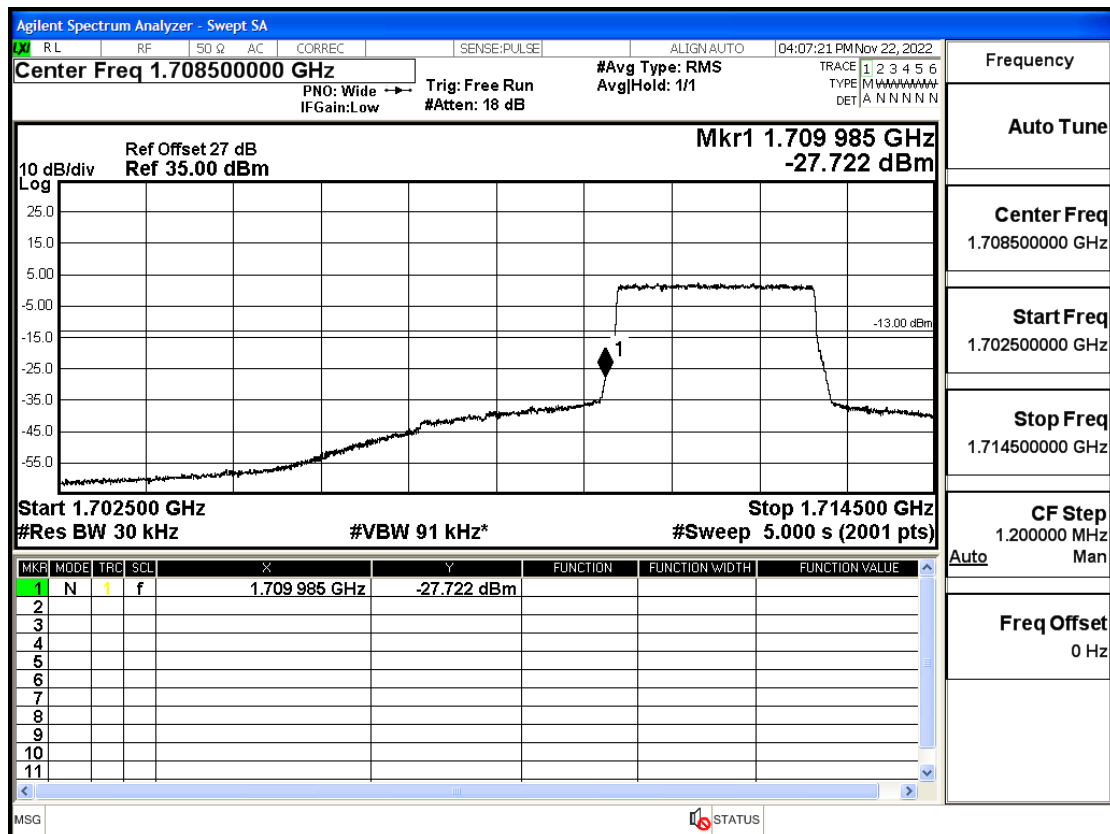
Band4-3-1711.5-QPSK-15#LOW@Pass



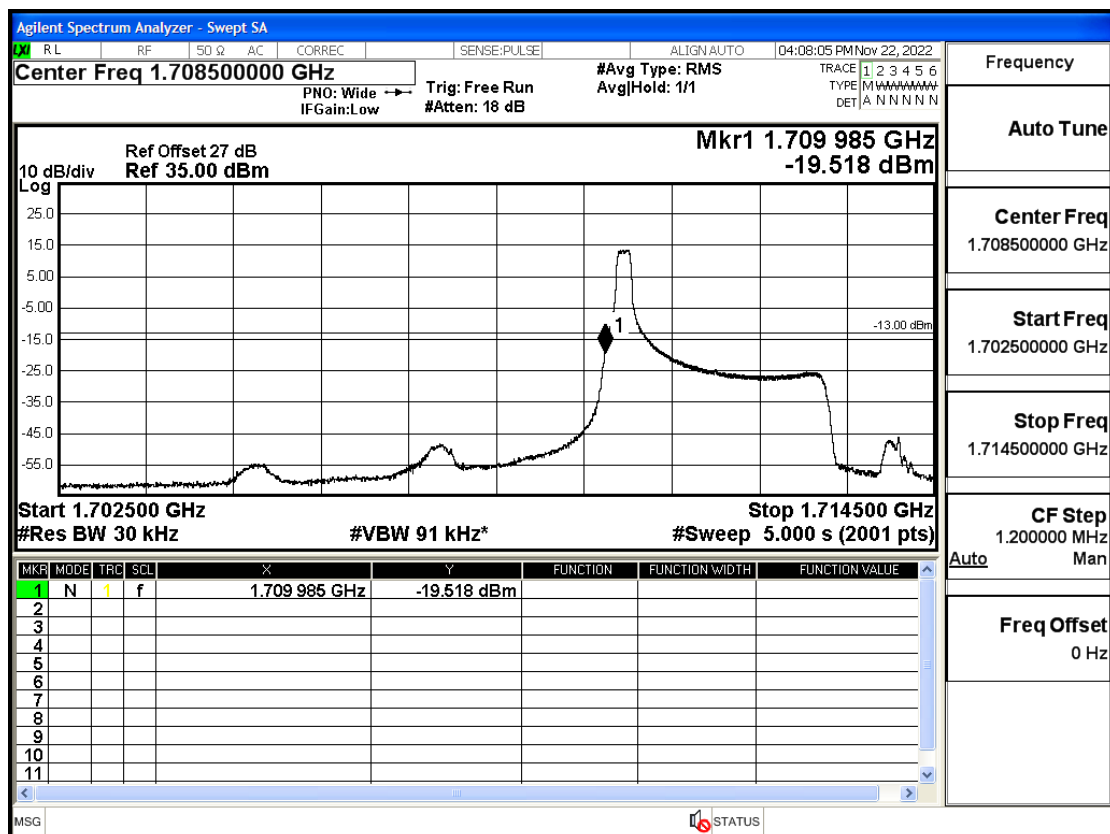
Band4-3-1711.5-QPSK-1#LOW@Pass



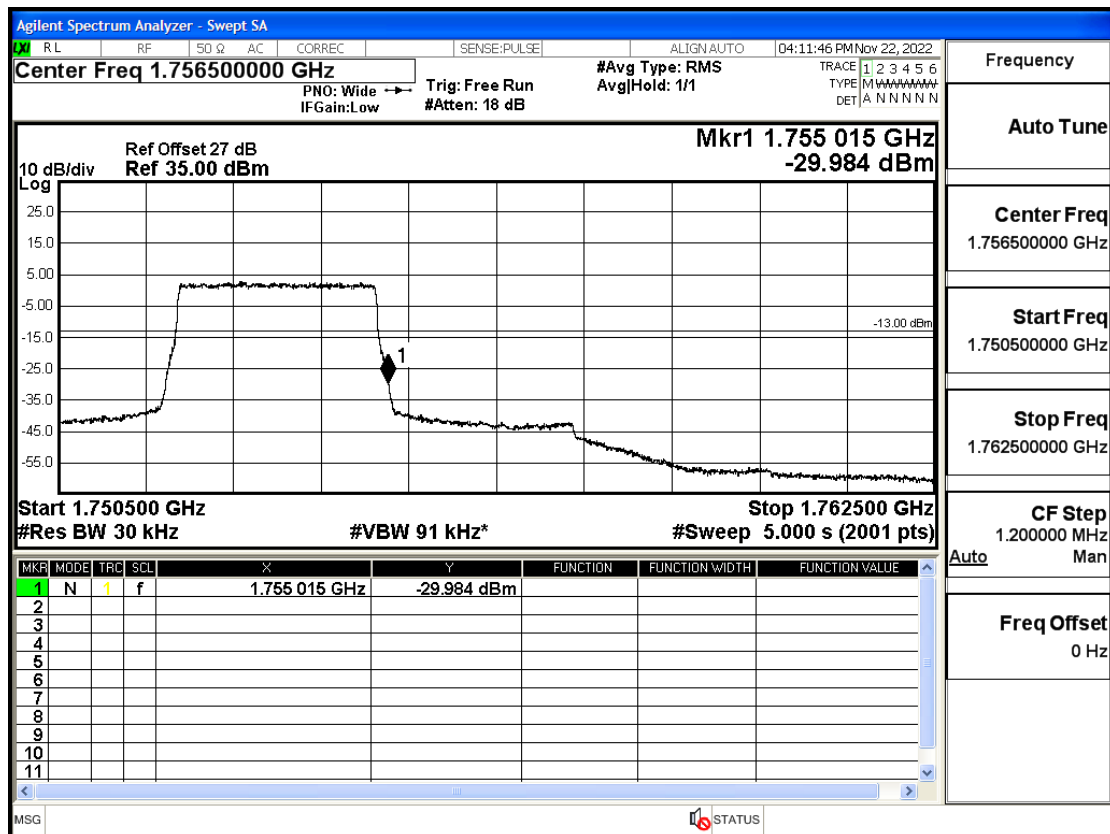
Band4-3-1711.5-16QAM-15#LOW@Pass



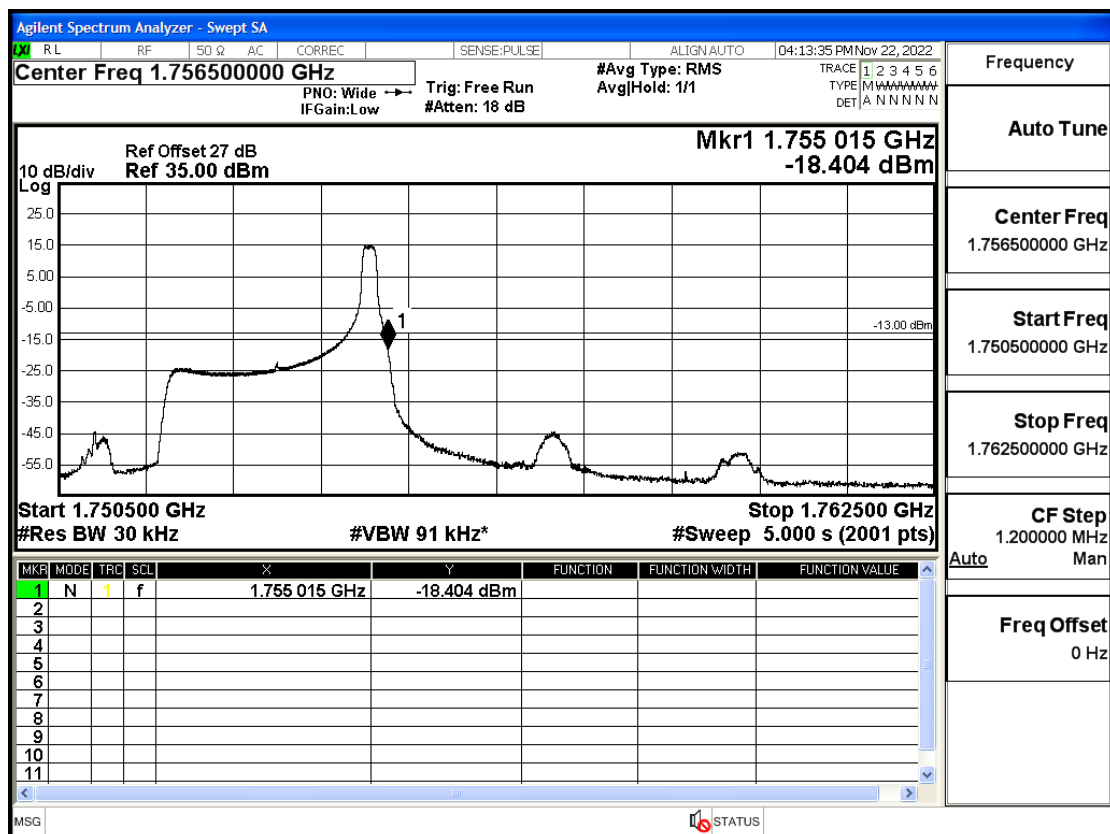
Band4-3-1711.5-16QAM-1#LOW@Pass



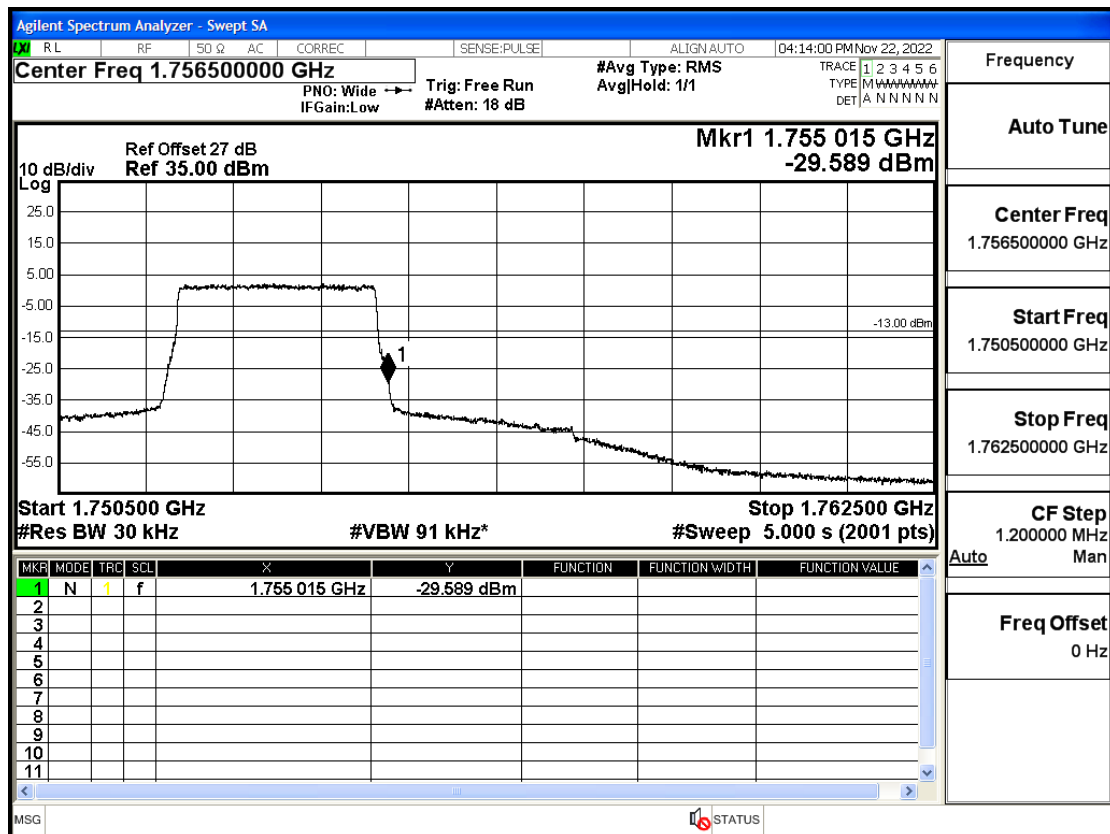
Band4-3-1753.5-QPSK-15#LOW@Pass



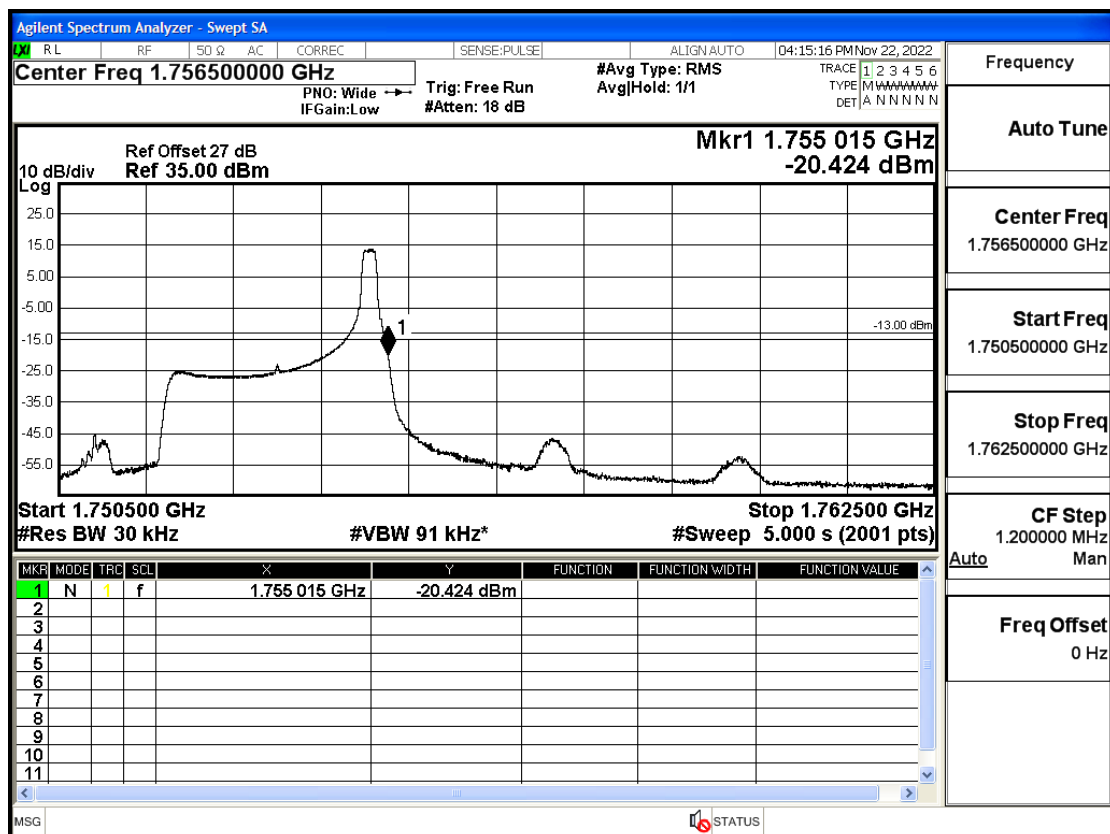
Band4-3-1753.5-QPSK-1#HIGH@Pass



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 04:15:53 PM Nov 22, 2022

Center Freq 1.707500000 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]
DET [A] [N] [N] [N] [N]

Mkr1 1.709 98 GHz
-32.971 dBm

10 dB/div Ref Offset 27 dB
Log 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	1	f	1.709 98 GHz	-32.971 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

RL RF 50 Ω AC CORREC SENSE/PULSE ALIGN AUTO 04:17:32 PM Nov 22, 2022

Center Freq 1.707500000 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 N N N N N N DET A N N N N N N

Ref Offset 27 dB
Ref 35.00 dBm

Mkr1 1.709 98 GHz
-24.175 dBm

10 dB/div
Log

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	-24.175 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

Frequency

Auto Tune

Center Freq
1.707500000 GHz

Start Freq
1.697500000 GHz

Stop Freq
1.717500000 GHz

CF Step
2.000000 MHz

Auto Man

Freq Offset
0 Hz

MSG STATUS

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN AUTO 04:18:15 PM Nov 22, 2022

Center Freq 1.707500000 GHz

PNO: Fast IFGain: 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] [A] [N] [N] [N] [N]
DET [A] [N] [N] [N] [N] [N]

Ref Offset 27 dB
Ref 35.00 dBm

Mkr1 1.709 98 GHz
-33.475 dBm

10 dB/div
Log

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	-33.475 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

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN AUTO 04:19:05 PM Nov 22, 2022

Center Freq 1.707500000 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 M M M M M M M DET A N N N N N N

Ref Offset 27 dB Ref 35.00 dBm Mkr1 1.709 98 GHz -25.298 dBm

10 dB/div Log

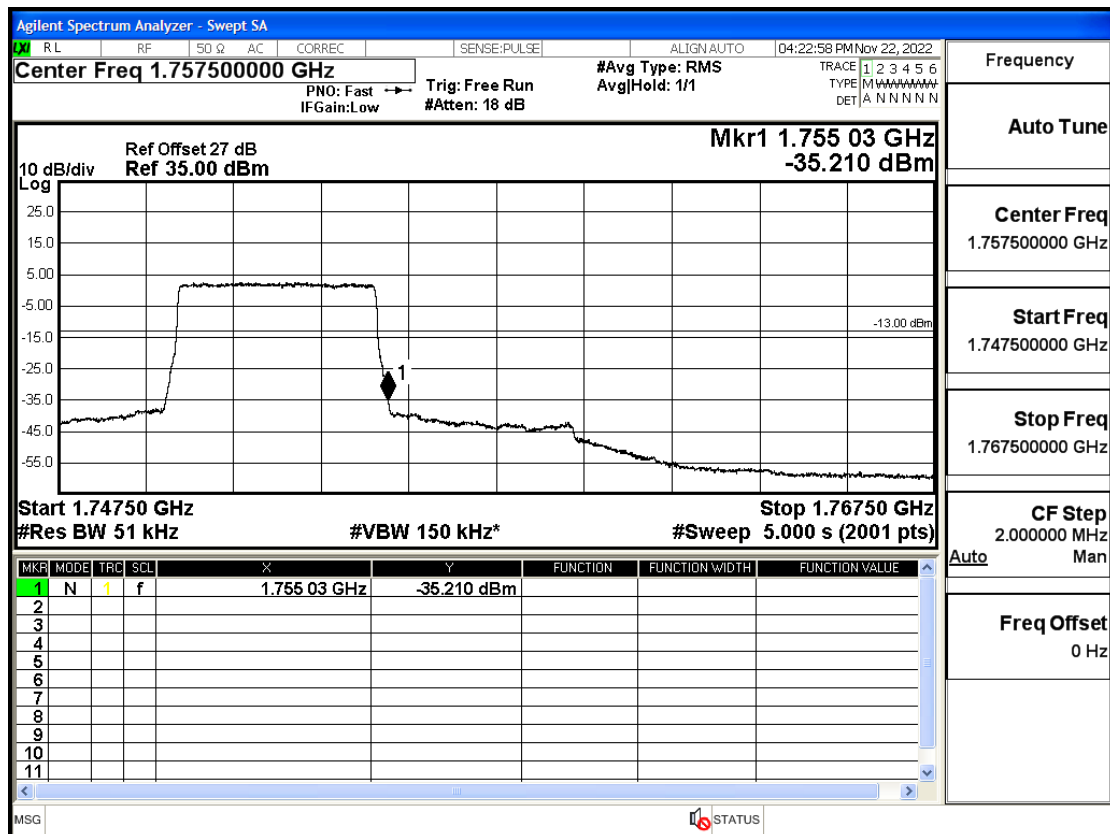
Start 1.69750 GHz #Res BW 51 kHz #VBW 150 kHz* Stop 1.71750 GHz #Sweep 5.000 s (2001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.709 98 GHz	-25.298 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

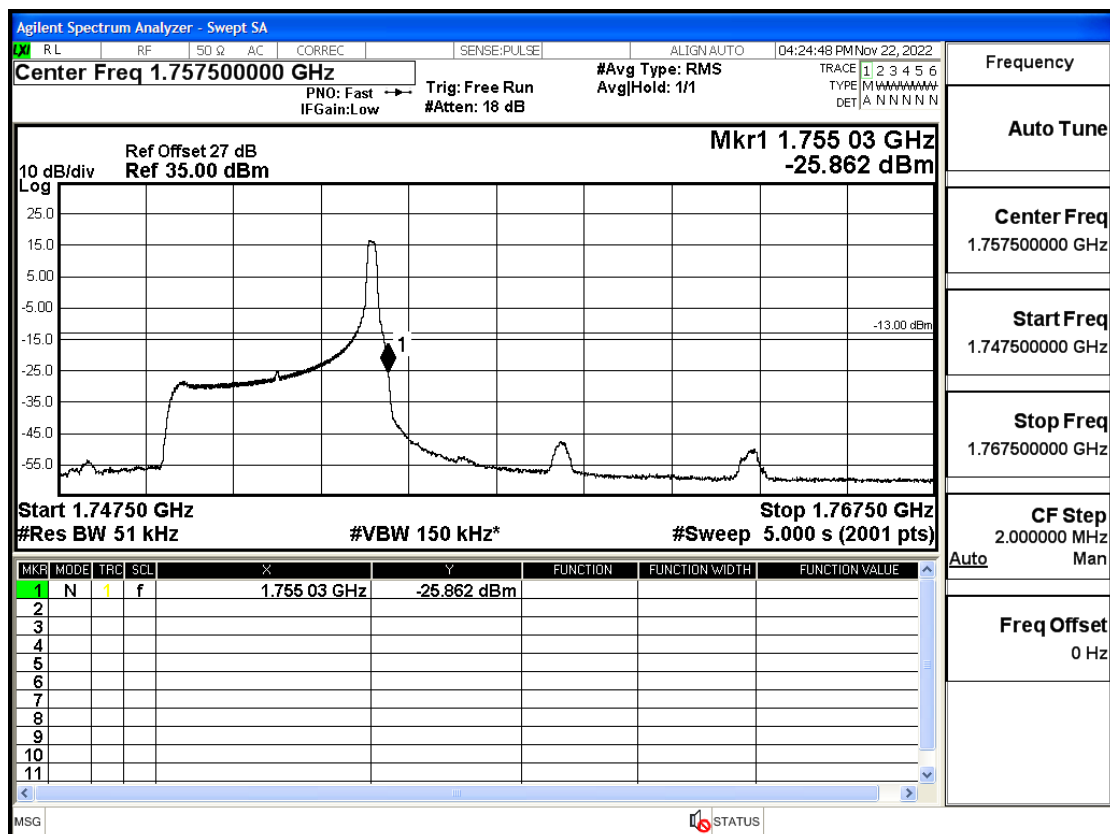
MSG STATUS

Frequency Auto Tune Center Freq 1.707500000 GHz Start Freq 1.697500000 GHz Stop Freq 1.717500000 GHz CF Step 2.000000 MHz Auto Man Freq Offset 0 Hz

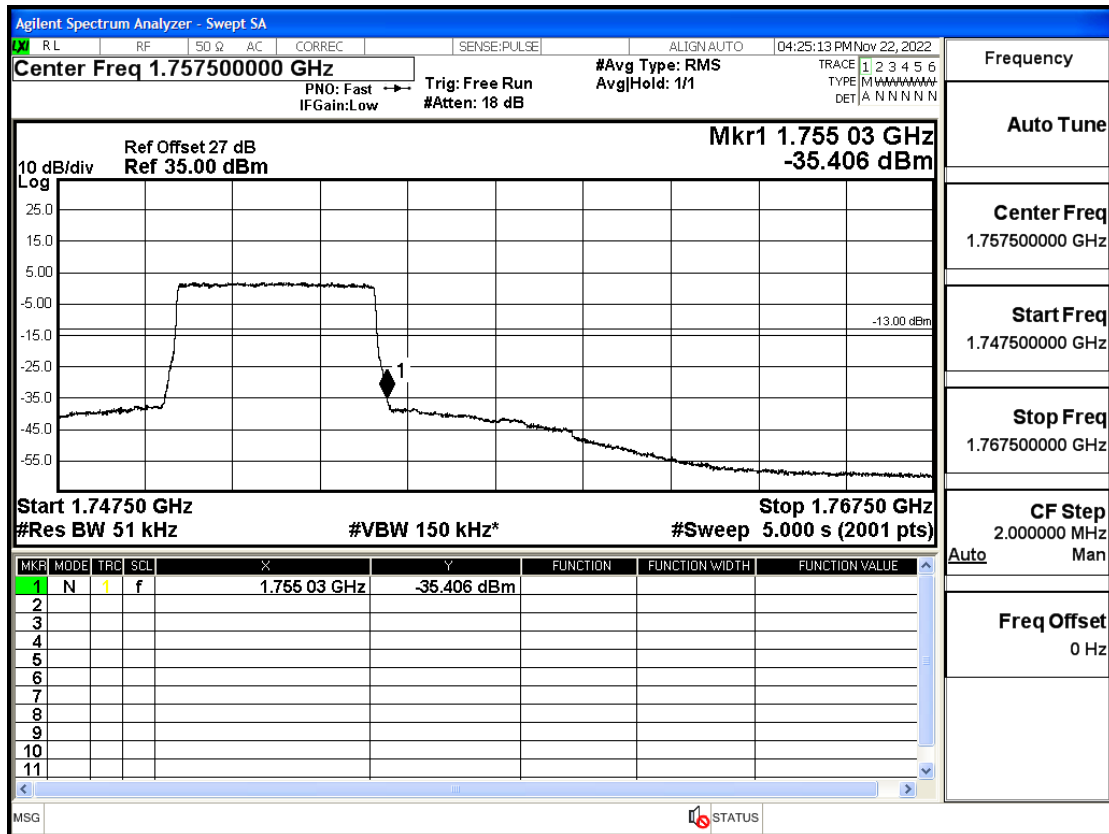
Band4-5-1752.5-QPSK-25#LOW@Pass



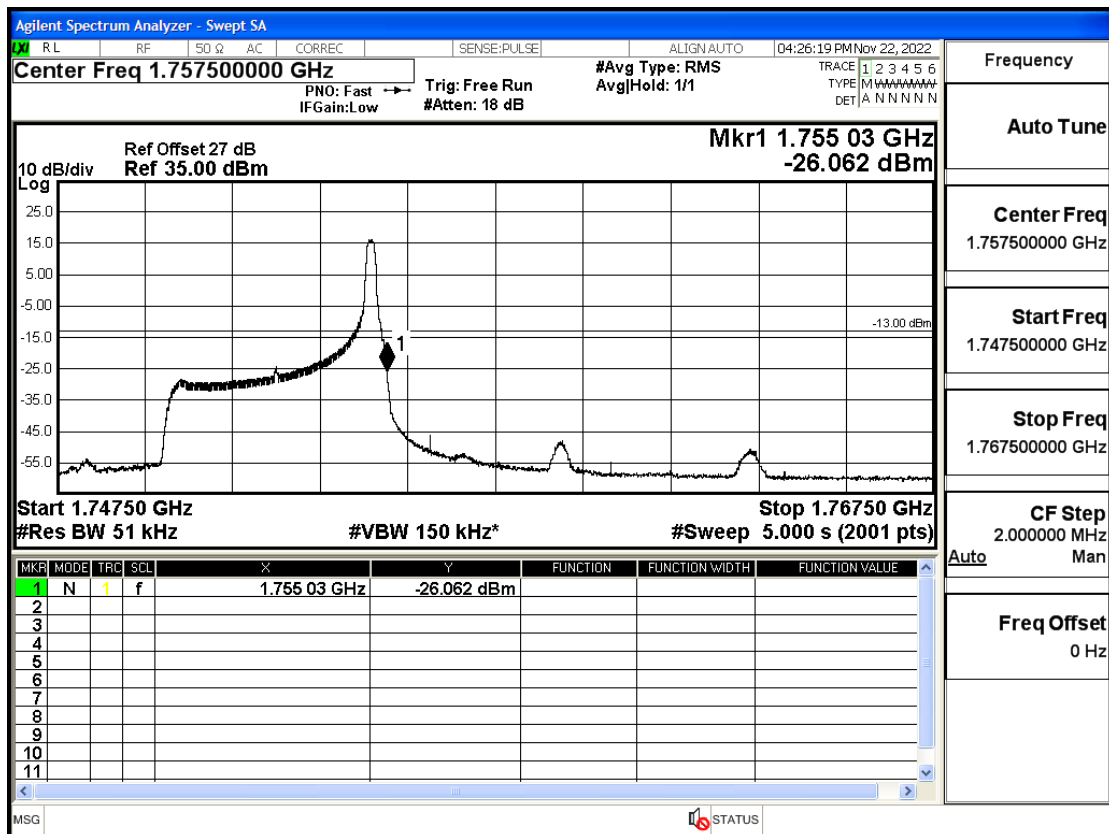
Band4-5-1752.5-QPSK-1#HIGH@Pass



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



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



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN AUTO 04:26:51 PM Nov 22, 2022

Center Freq 1.705000000 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 1.709 95 GHz
-35.491 dBm

10 dB/div
Log

Start 1.68500 GHz
#Res BW 100 kHz

Stop 1.72500 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	1.709 95 GHz	-35.491 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

Man

Auto

Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN AUTO 04:28:25 PM Nov 22, 2022

Center Freq 1.705000000 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 1.709 95 GHz
-27.593 dBm

10 dB/div
Log

Start 1.68500 GHz
#Res BW 100 kHz

Stop 1.72500 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	1.709 95 GHz	-27.593 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 04:29:10 PM Nov 22, 2022

Center Freq 1.705000000 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 1.709 95 GHz
-34.246 dBm

10 dB/div
Log

Start 1.68500 GHz
#Res BW 100 kHz

Stop 1.72500 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	1.709 95 GHz	-34.246 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

Man

Auto

Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN AUTO 04:30:04 PM Nov 22, 2022

Center Freq 1.705000000 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 1.709 95 GHz
-28.241 dBm

10 dB/div
Log

Start 1.68500 GHz
#Res BW 100 kHz

Stop 1.72500 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	1.709 95 GHz	-28.241 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

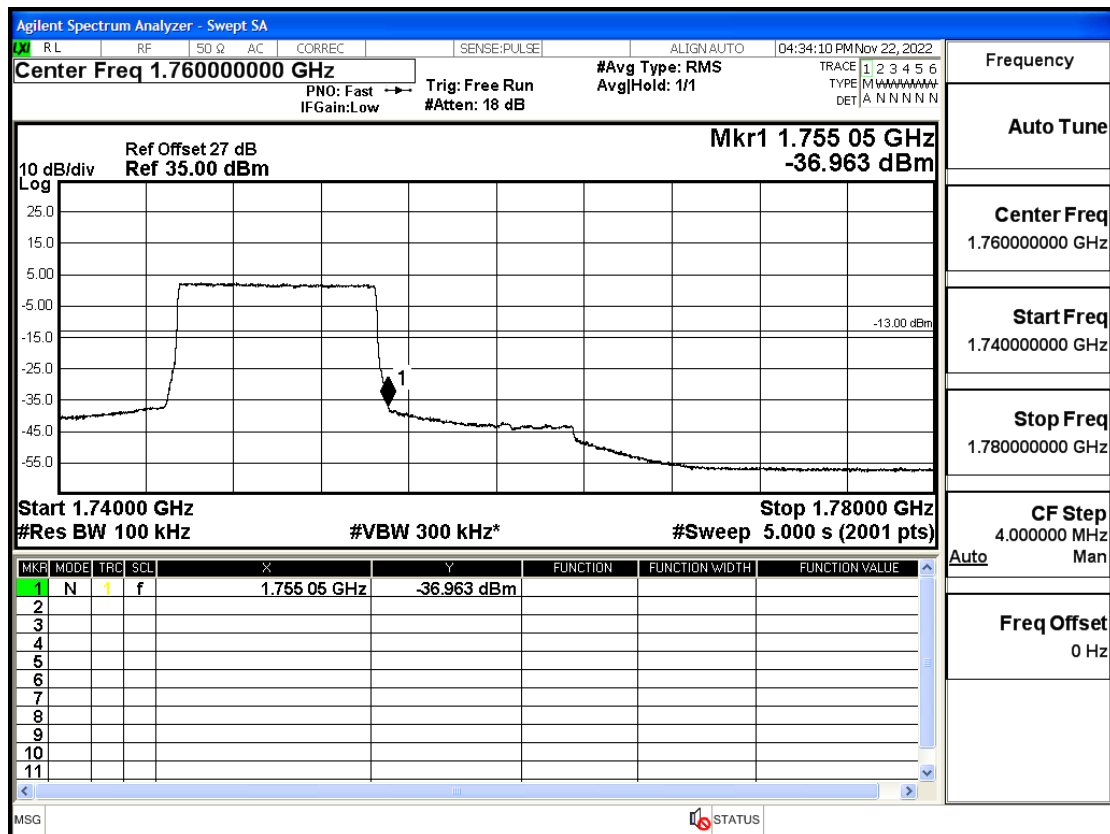
Stop Freq
1.725000000 GHz

CF Step
4.000000 MHz

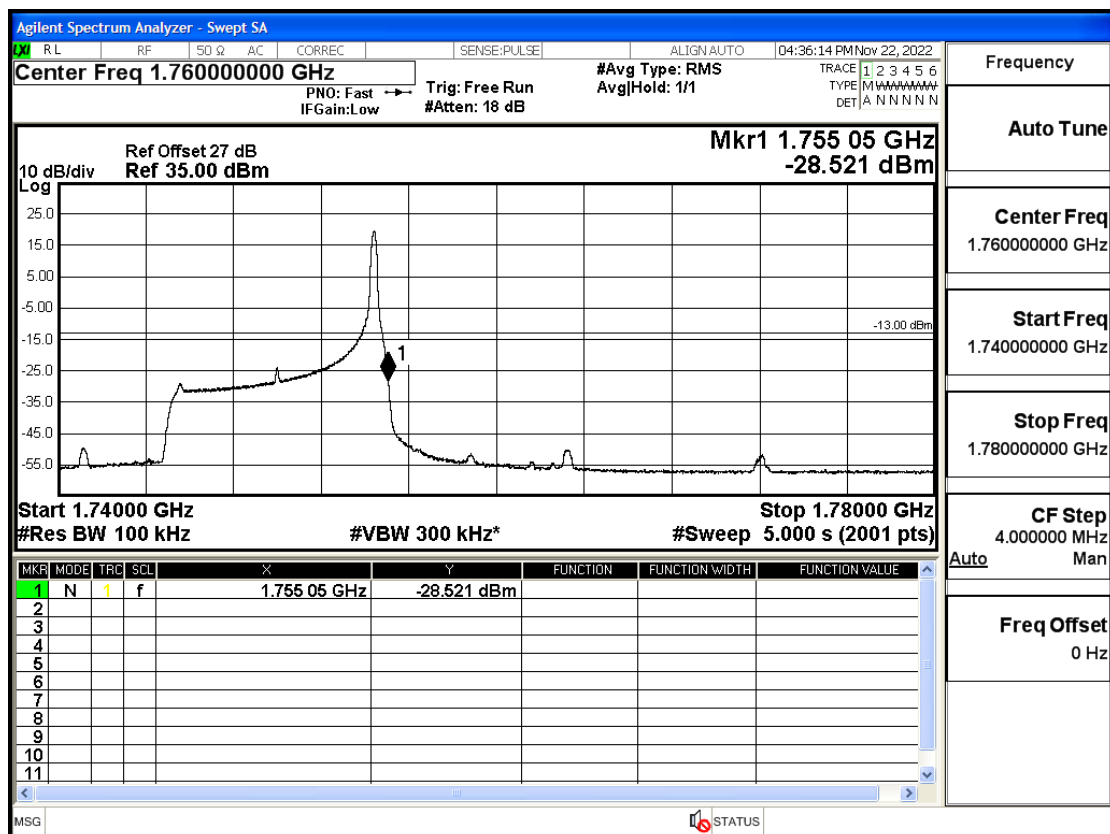
Auto Man

Freq Offset
0 Hz

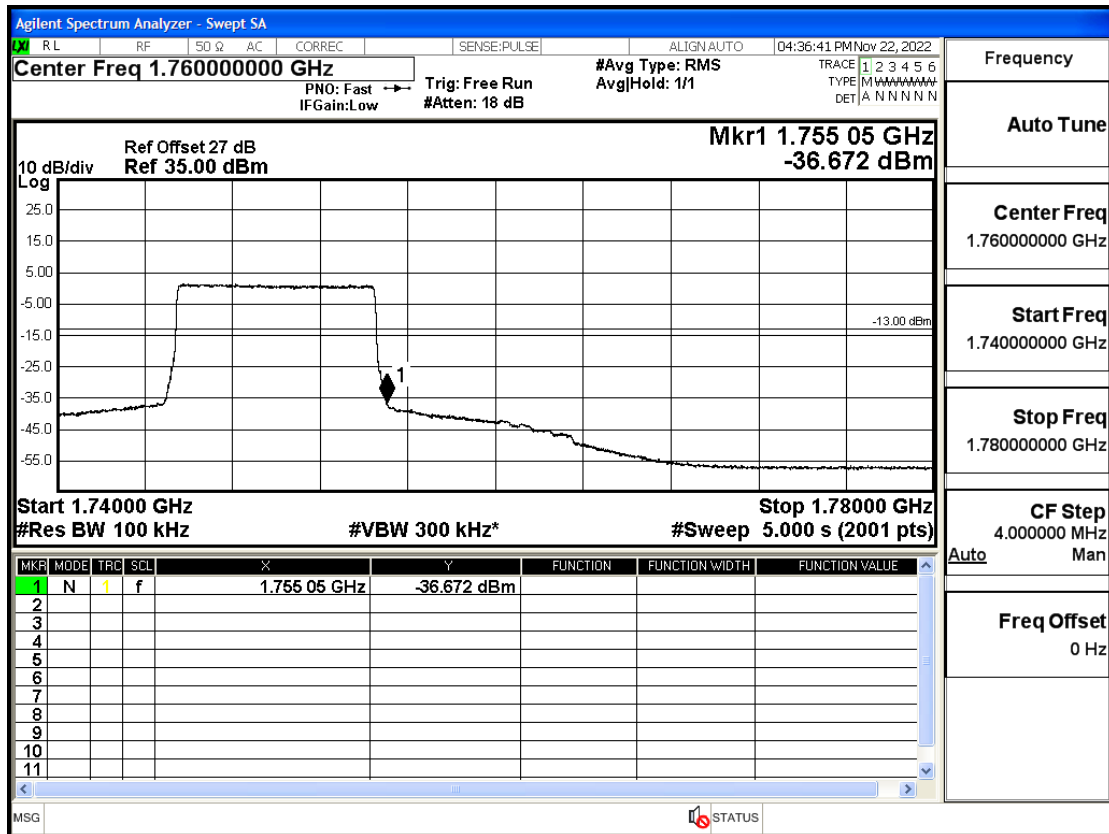
Band4-10-1750-QPSK-50#LOW@Pass



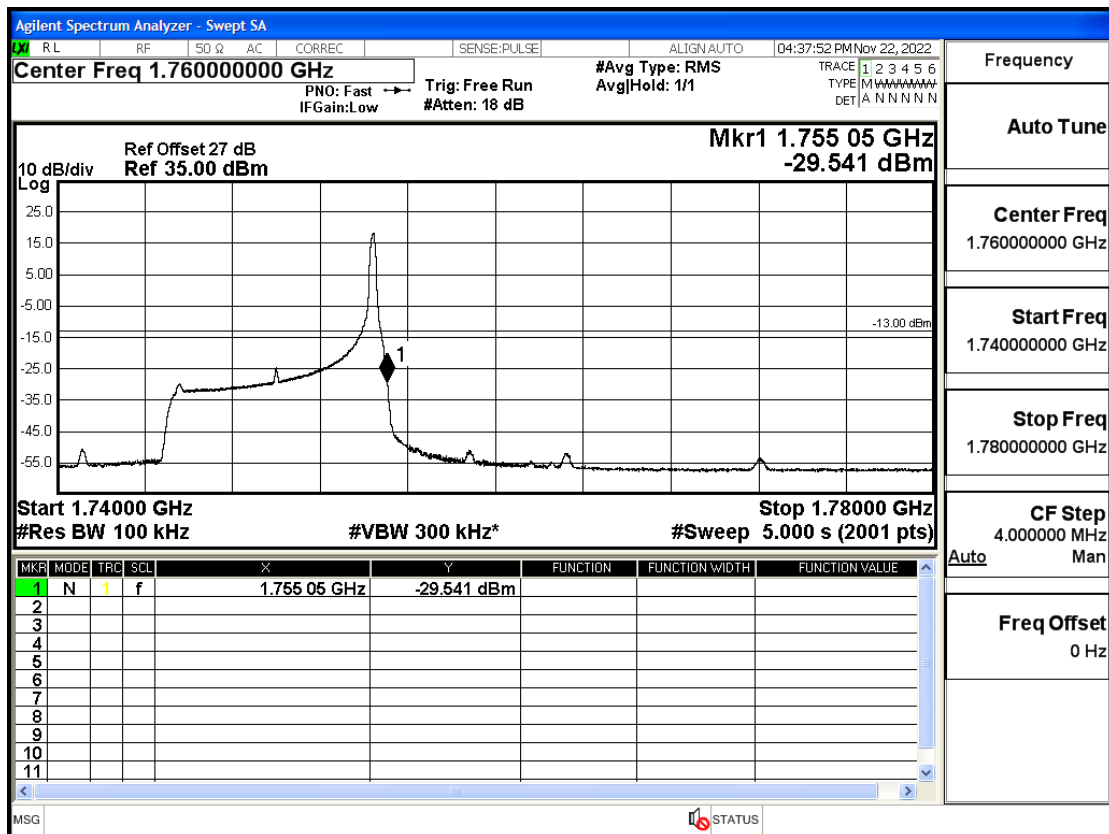
Band4-10-1750-QPSK-1#HIGH@Pass



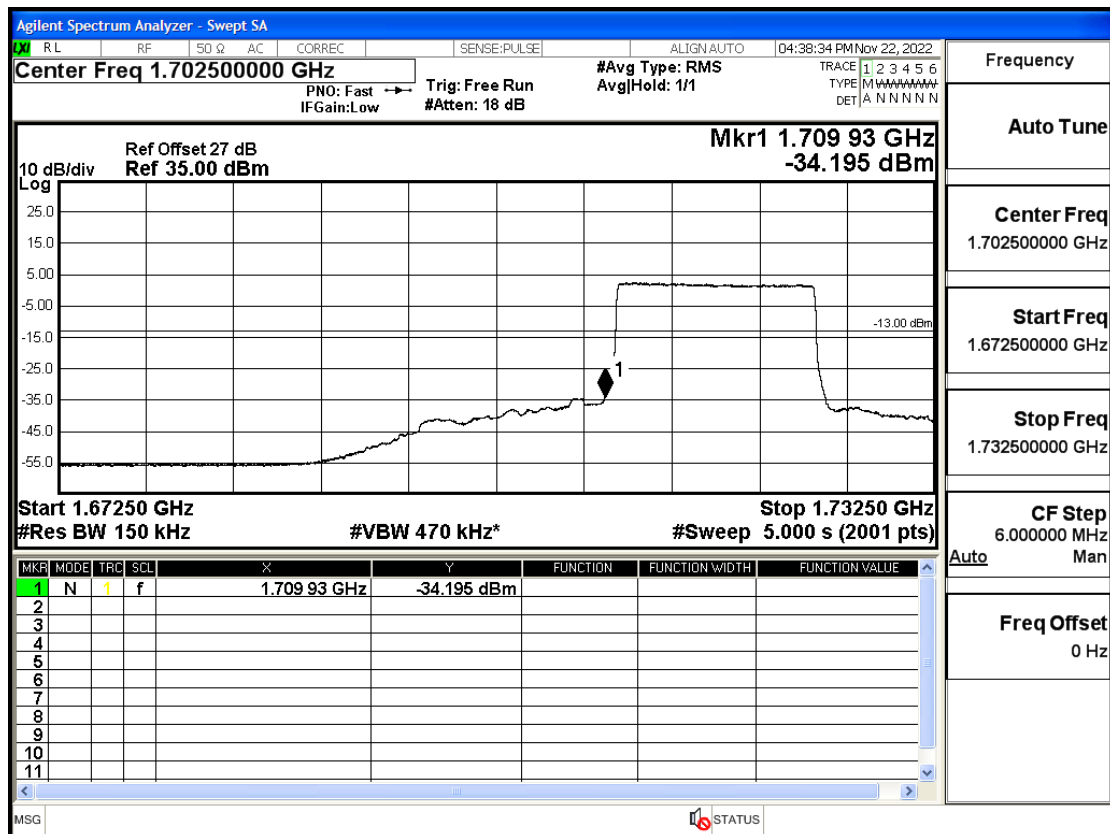
Band4-10-1750-16QAM-50#LOW@Pass



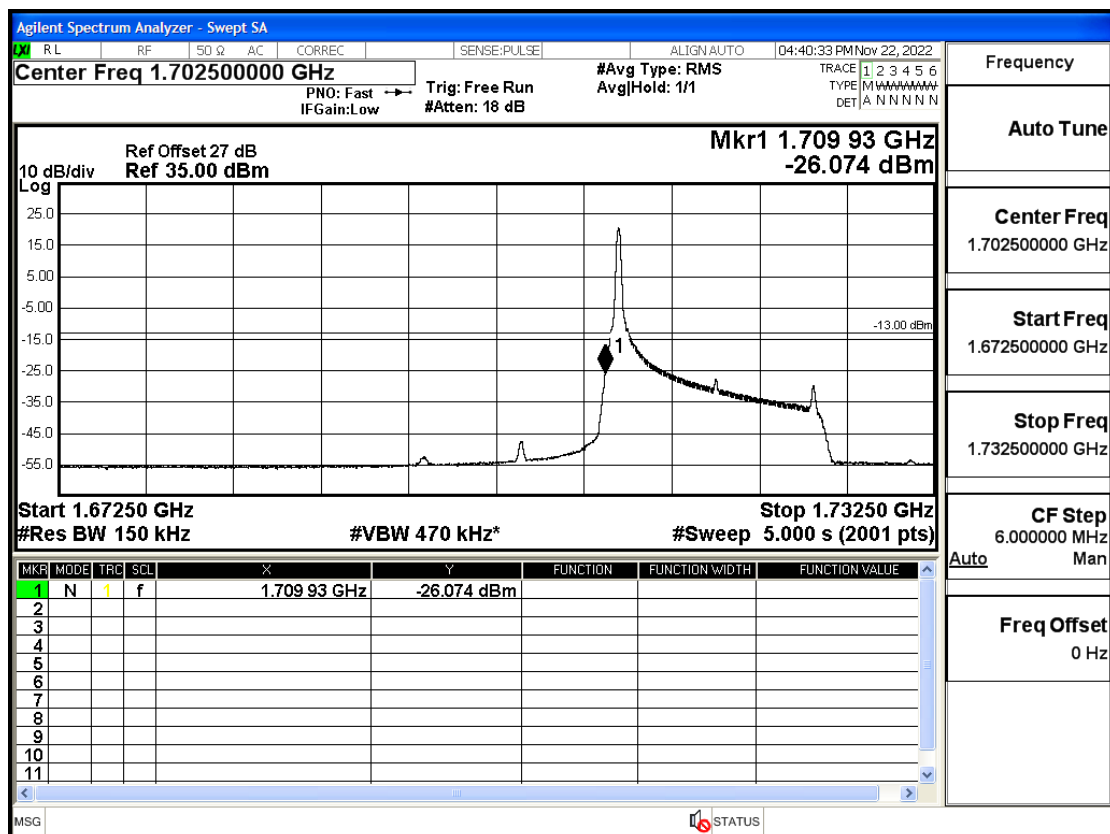
Band4-10-1750-16QAM-1#HIGH@Pass



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



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



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN AUTO 04:41:21 PM Nov 22, 2022

Center Freq 1.702500000 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 1.709 93 GHz
-34.585 dBm**

10 dB/div
Log

Start 1.67250 GHz #Res BW 150 kHz #VBW 470 kHz* Stop 1.73250 GHz #Sweep 5.000 s (2001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.709 93 GHz	-34.585 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
1.702500000 GHz

Start Freq
1.672500000 GHz

Stop Freq
1.732500000 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 04:42:16 PM Nov 22, 2022
Center Freq 1.702500000 GHz #Avg Type: RMS Avg/Hold: 1/1
 PNO: Fast IF Gain: Low Trig: Free Run #Atten: 18 dB TRACE 1 2 3 4 5 6
 TYPE M M M M M M M M
 DET A N N N N N N

Ref Offset 27 dB Mkr1 1.709 93 GHz
 Ref 35.00 dBm -25.663 dBm
 10 dB/div
 Log

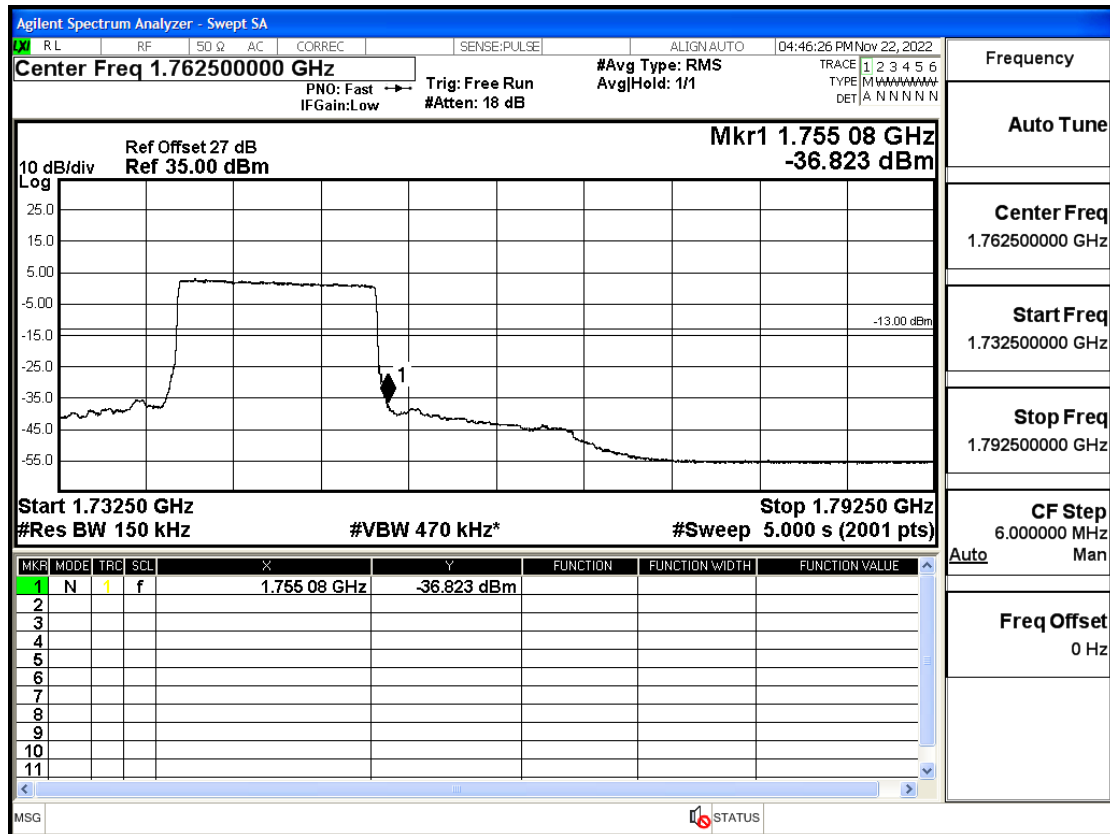
Start 1.67250 GHz Stop 1.73250 GHz
 #Res BW 150 kHz #VBW 470 kHz* #Sweep 5.000 s (2001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.709 93 GHz	-25.663 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

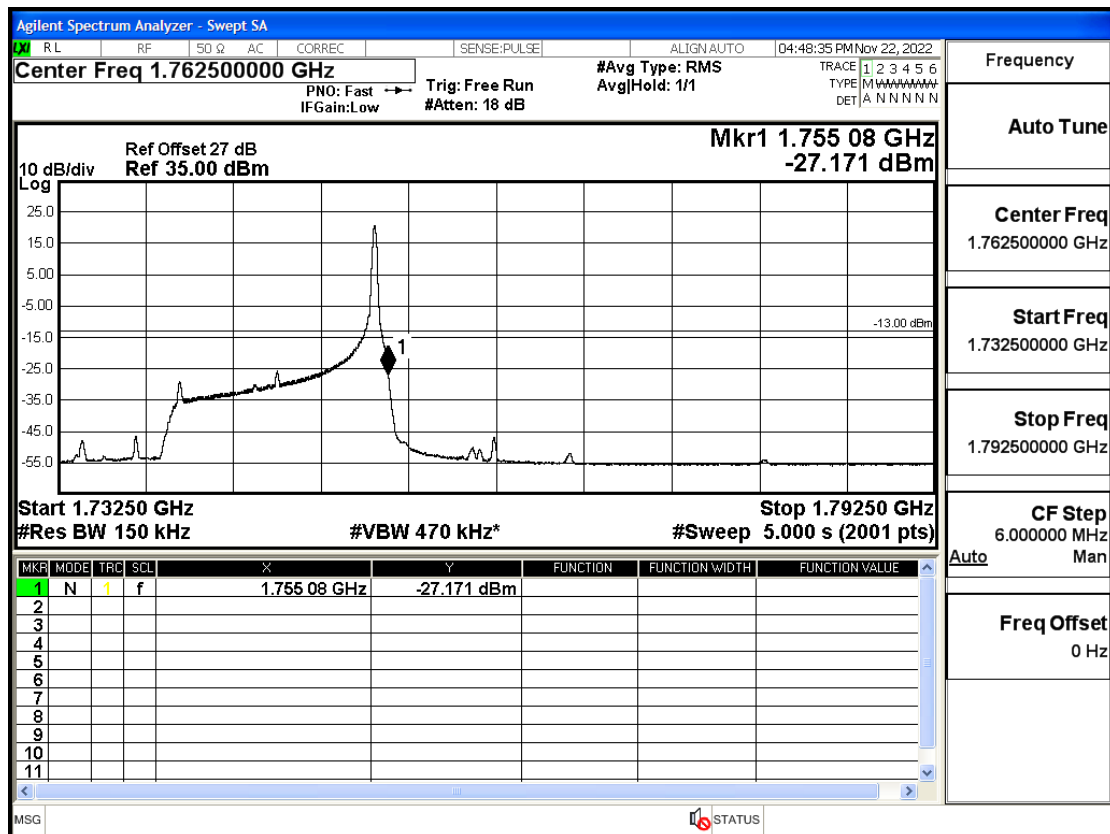
MSG STATUS

Frequency
 Auto Tune
 Center Freq
 1.702500000 GHz
 Start Freq
 1.672500000 GHz
 Stop Freq
 1.732500000 GHz
 CF Step
 6.000000 MHz
 Auto Man
 Freq Offset
 0 Hz

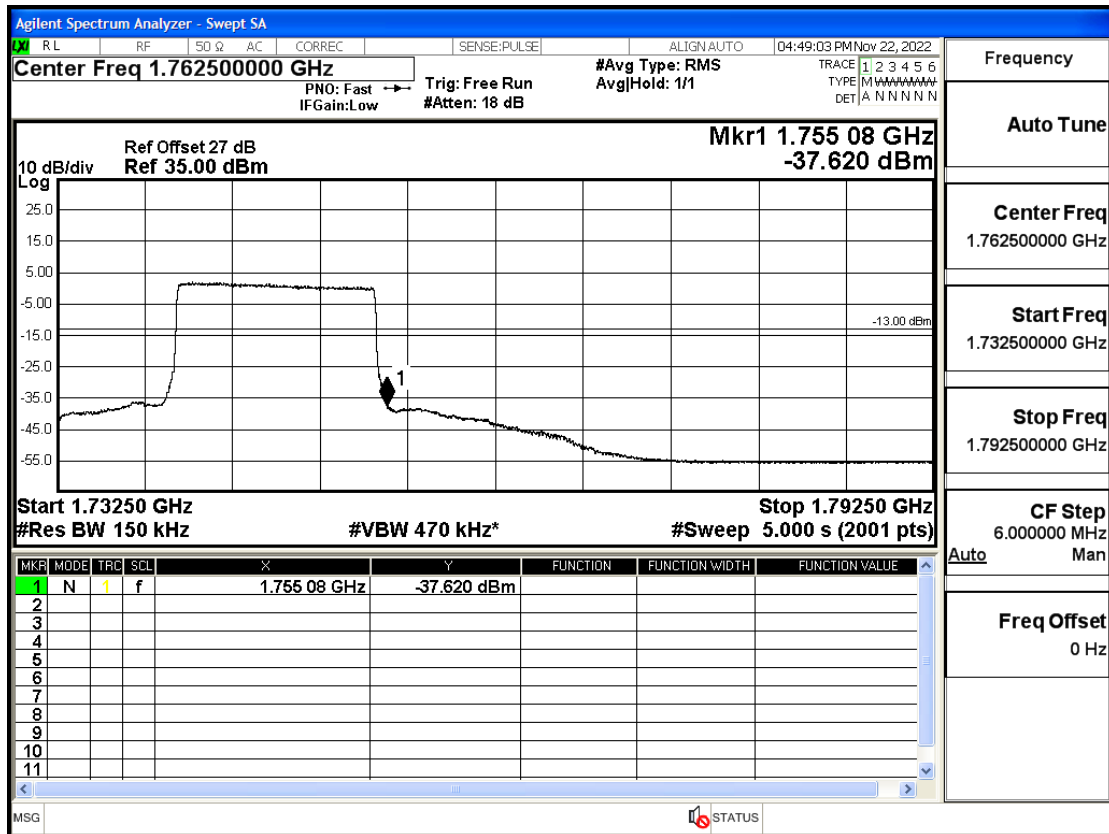
Band4-15-1747.5-QPSK-75#LOW@Pass



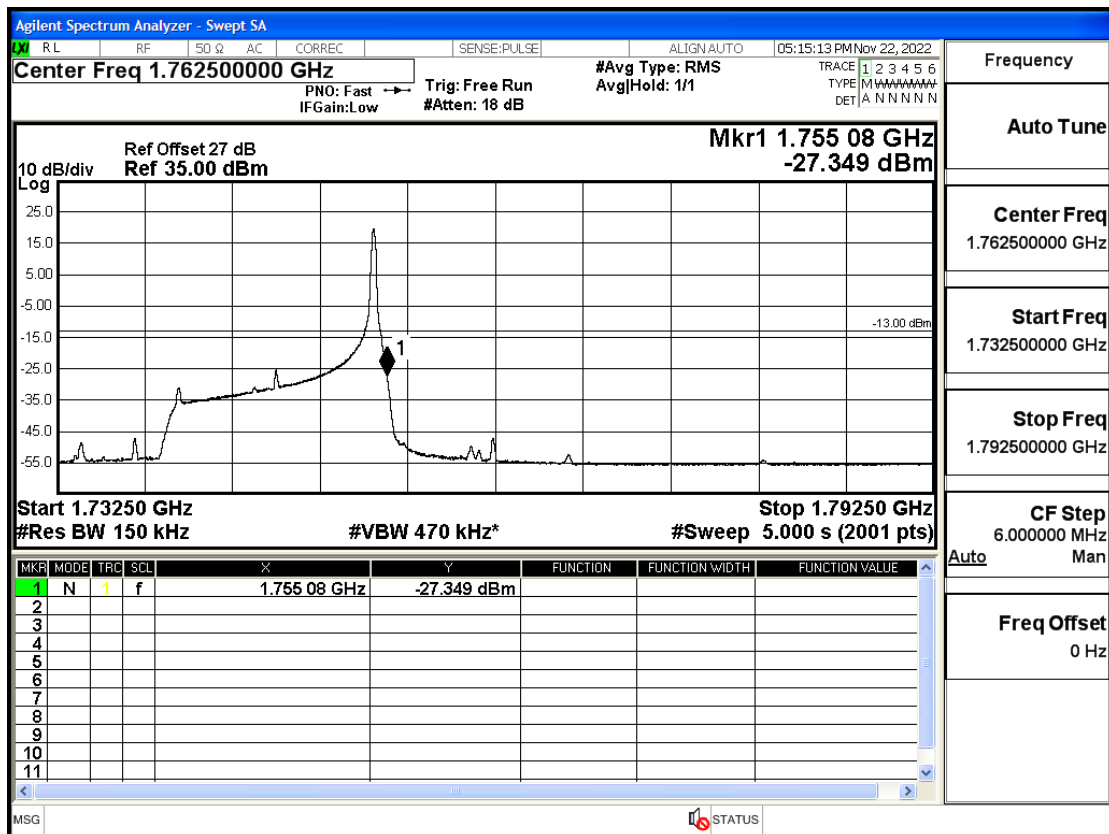
Band4-15-1747.5-QPSK-1#HIGH@Pass



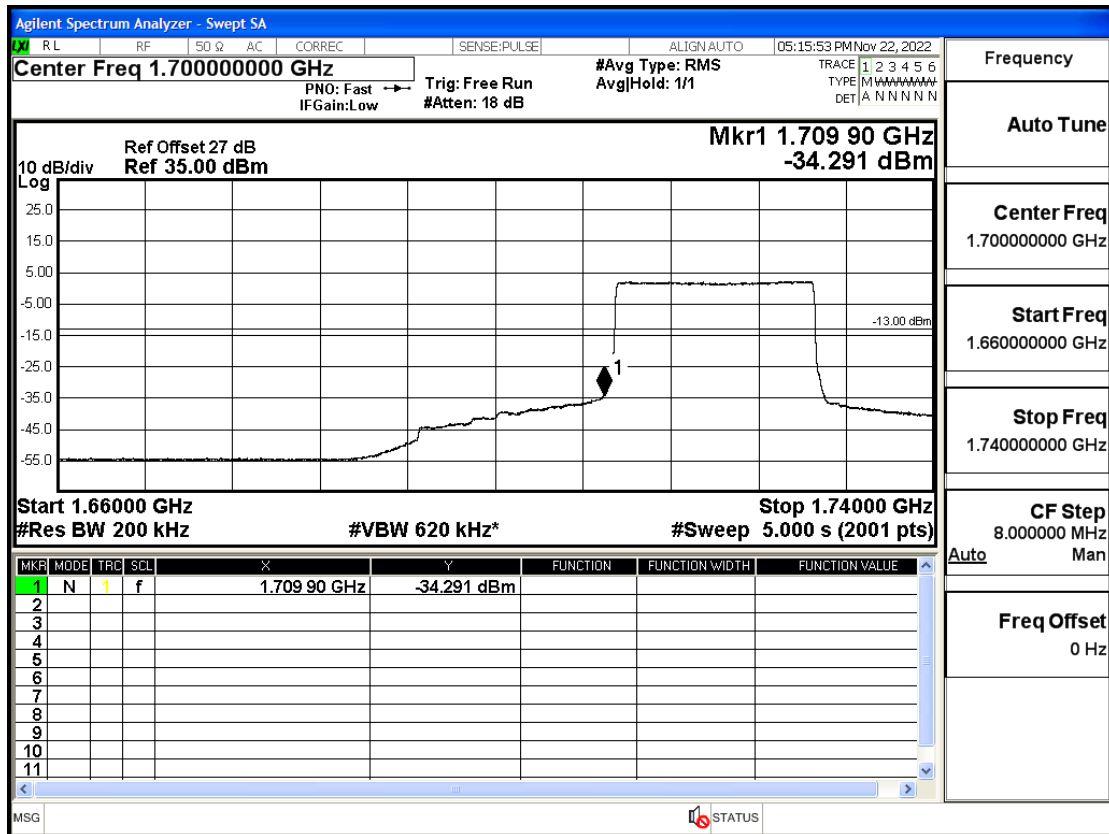
Band4-15-1747.5-16QAM-75#LOW@Pass



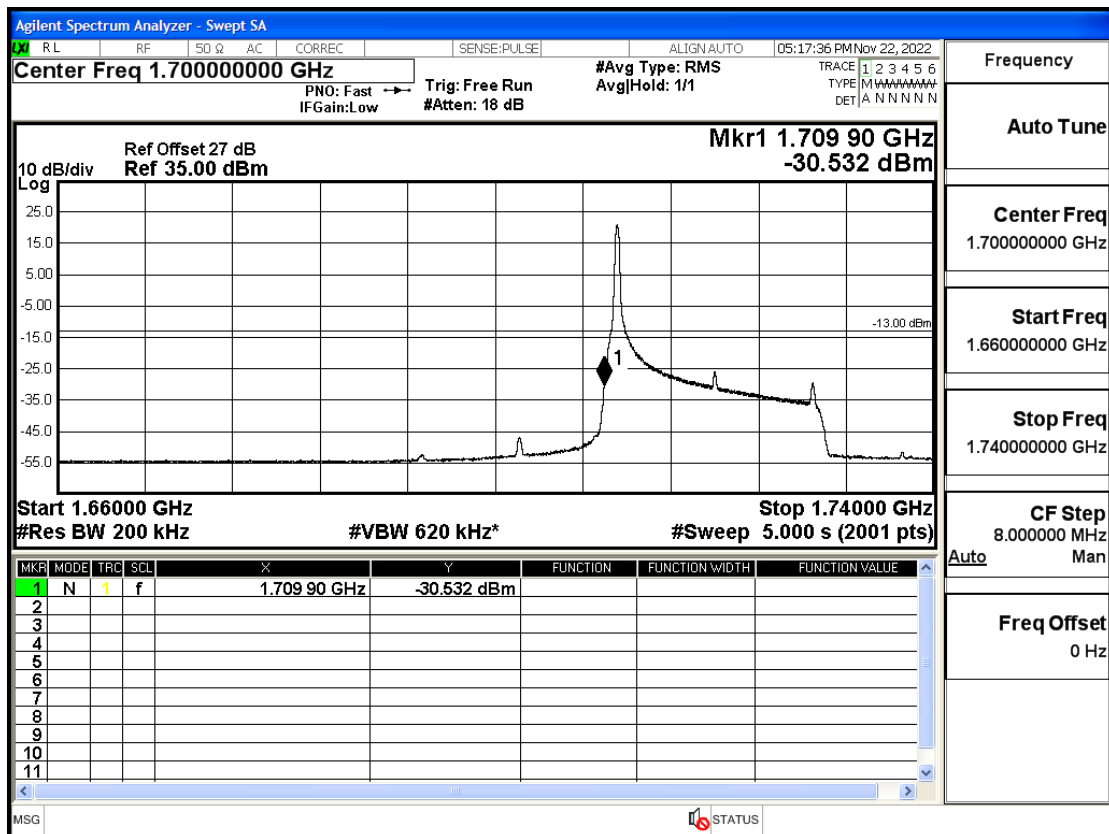
Band4-15-1747.5-16QAM-1#HIGH@Pass



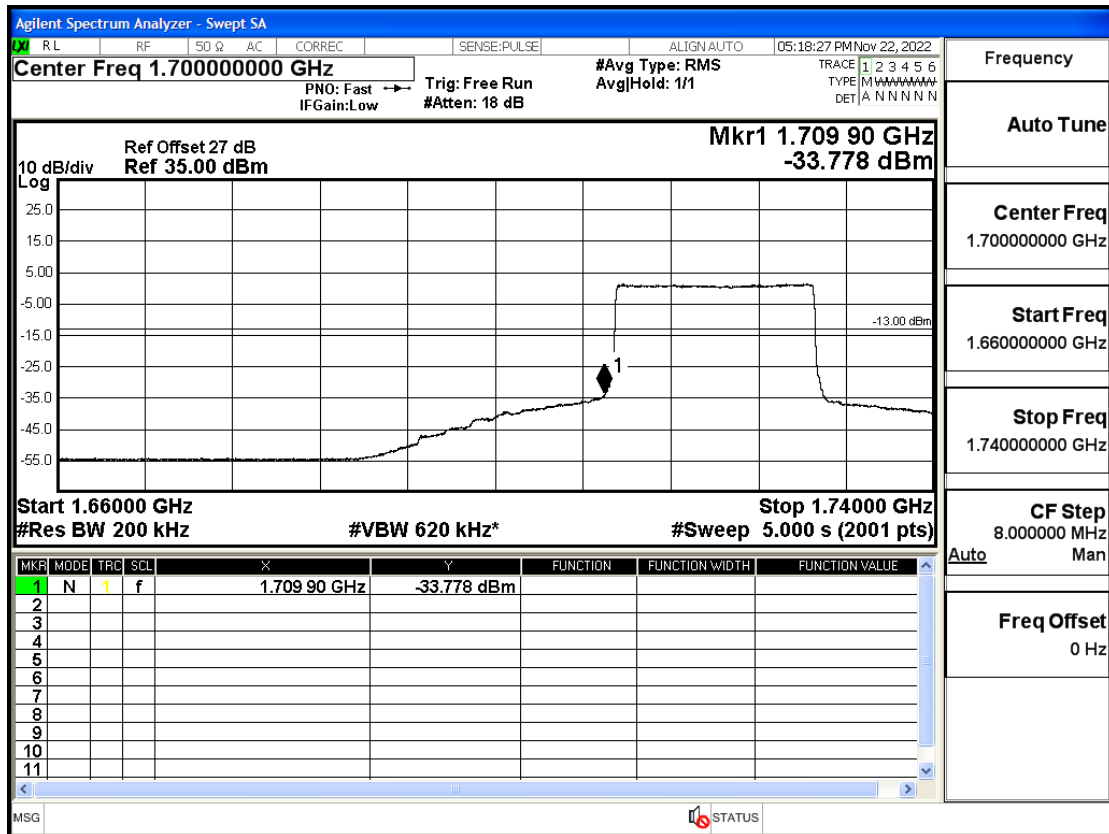
Band4-20-1720-QPSK-100#LOW@Pass



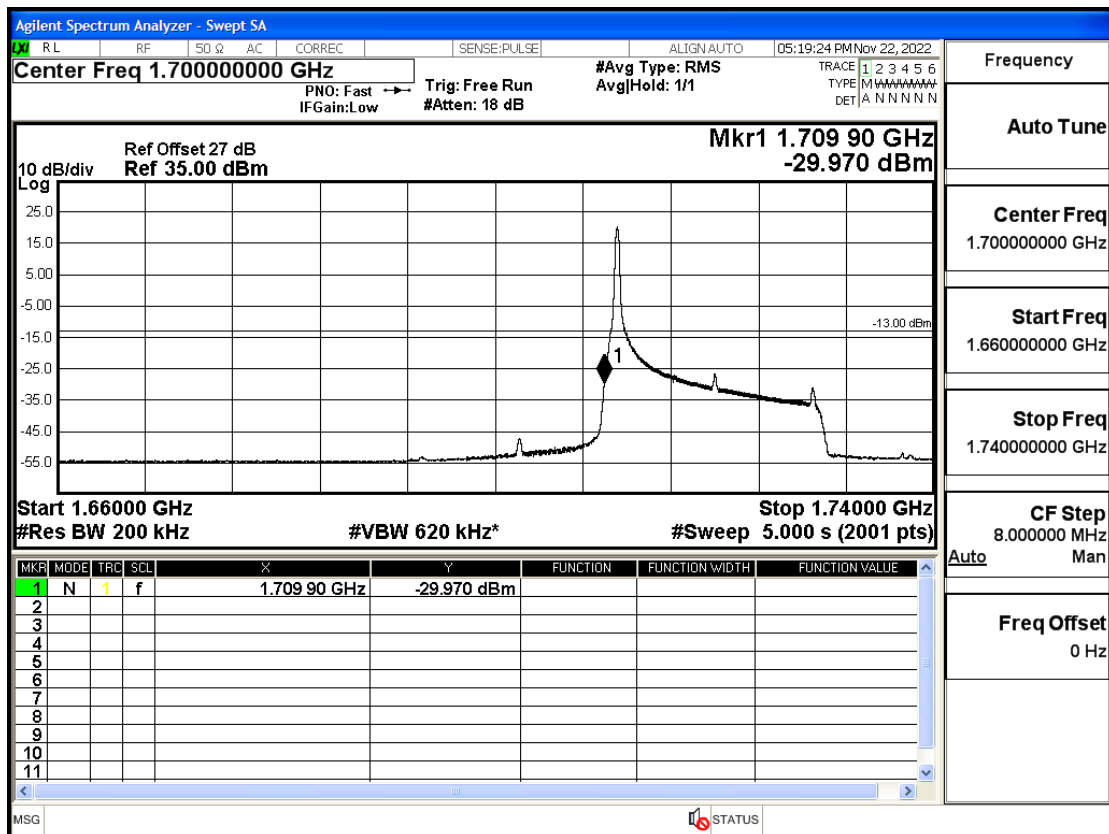
Band4-20-1720-QPSK-1#LOW@Pass



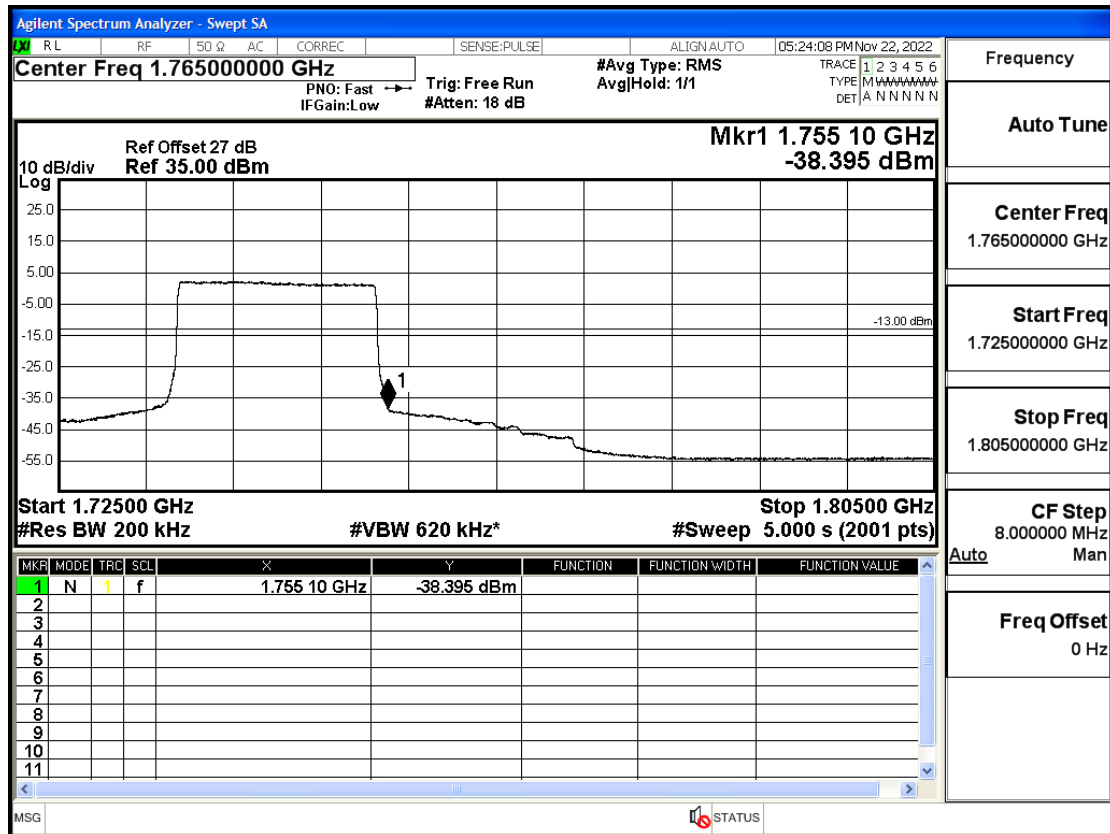
Band4-20-1720-16QAM-100#LOW@Pass



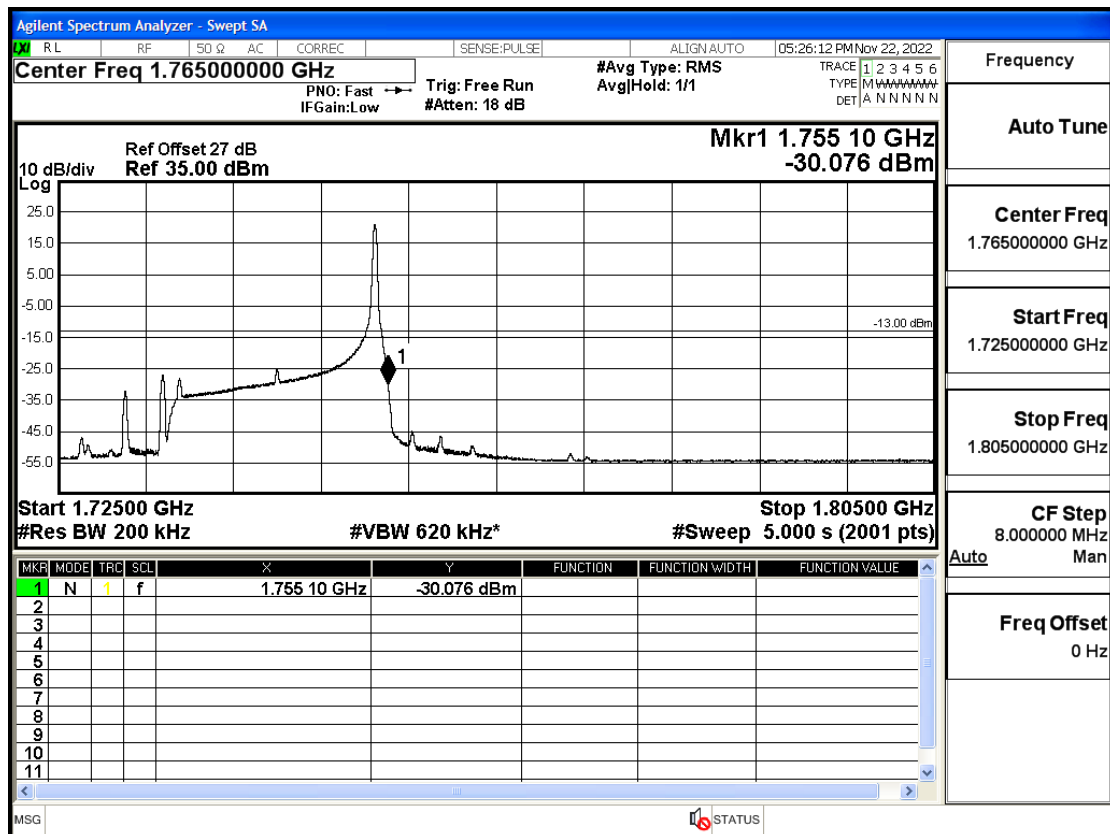
Band4-20-1720-16QAM-1#LOW@Pass



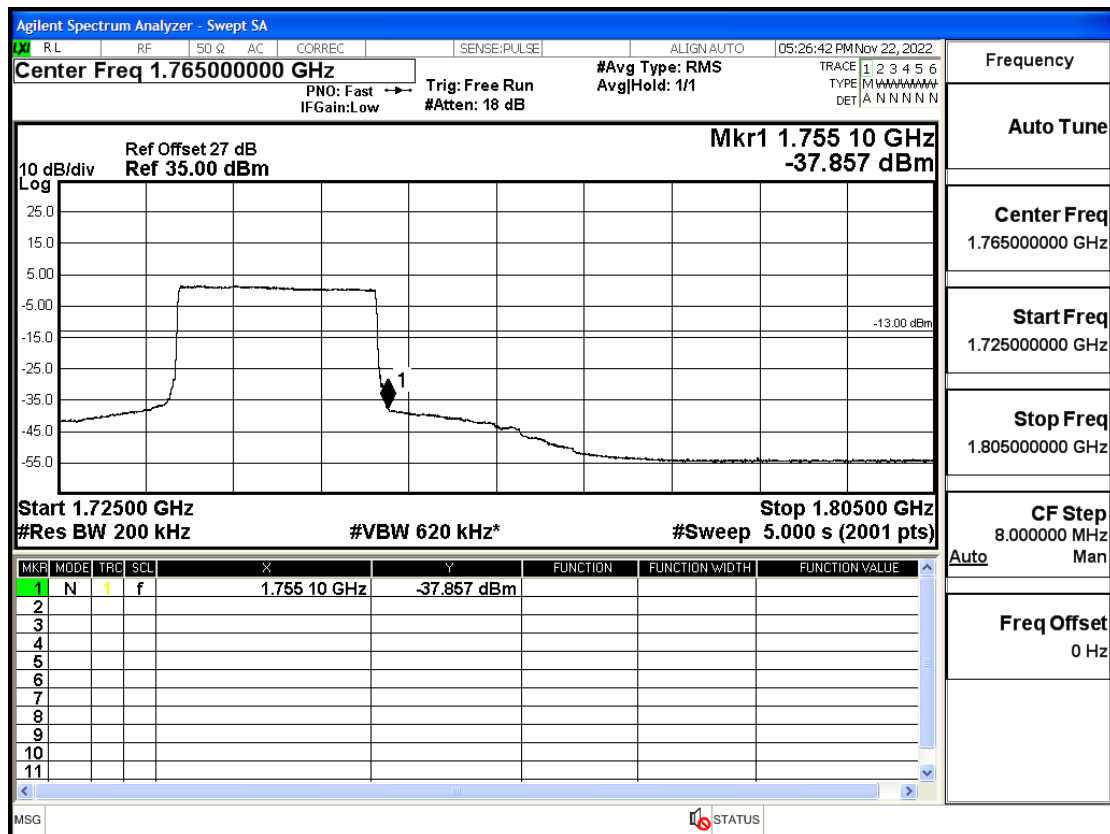
Band4-20-1745-QPSK-100#LOW@Pass



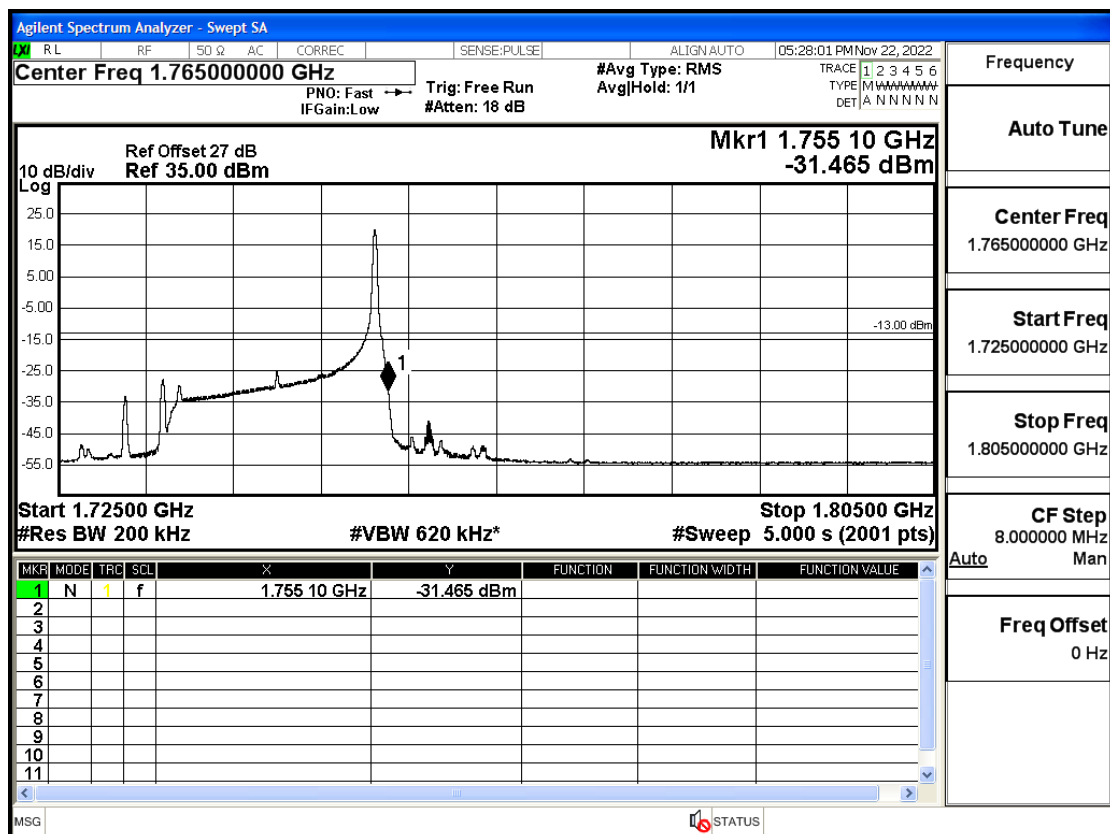
Band4-20-1745-QPSK-1#HIGH@Pass



Band4-20-1745-16QAM-100#LOW@Pass



Band4-20-1745-16QAM-1#HIGH@Pass



Conducted Spurious Emission

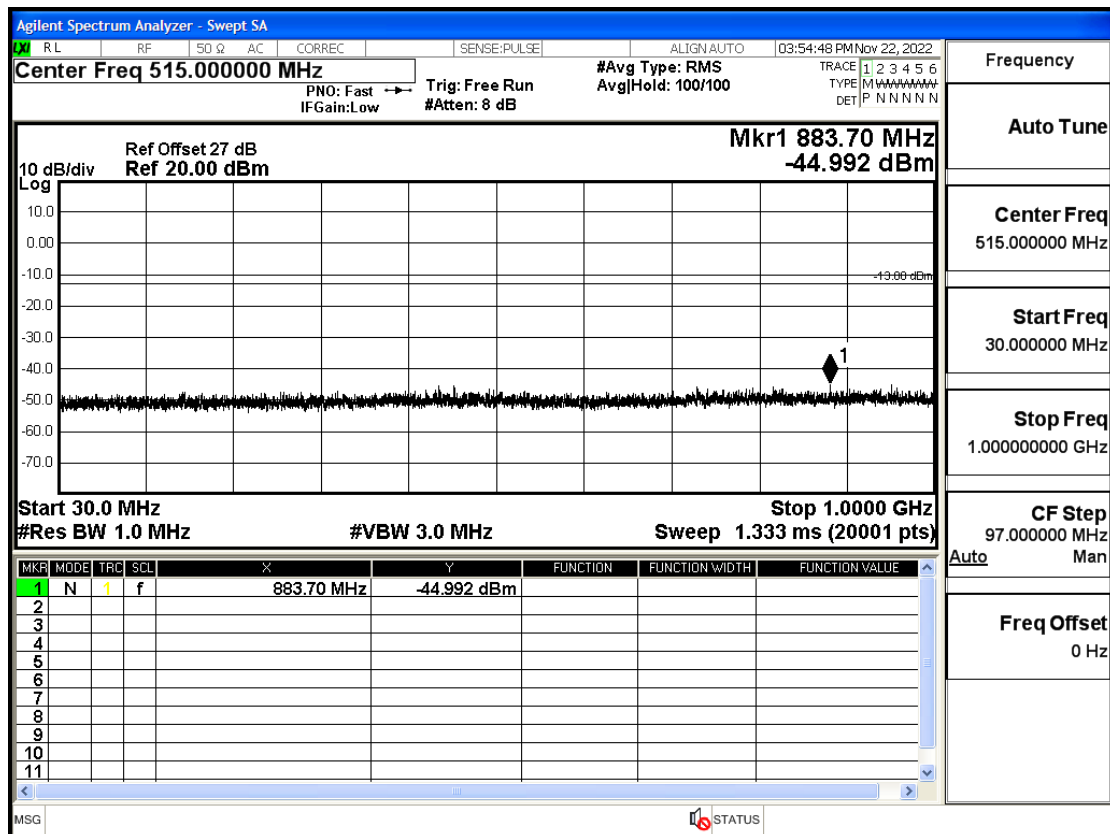
Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Test Condition	Transmitter Spurious Emission(Pass/Fail)
OB4	1.4	1710.7	QPSK	6	LOW	30mHz-1GHz	Pass
OB4	1.4	1710.7	QPSK	6	LOW	1GHz-7GHz	Pass
OB4	1.4	1710.7	QPSK	6	LOW	7GHz-13.6GHz	Pass
OB4	1.4	1710.7	QPSK	6	LOW	13.6GHz-20GHz	Pass
OB4	1.4	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

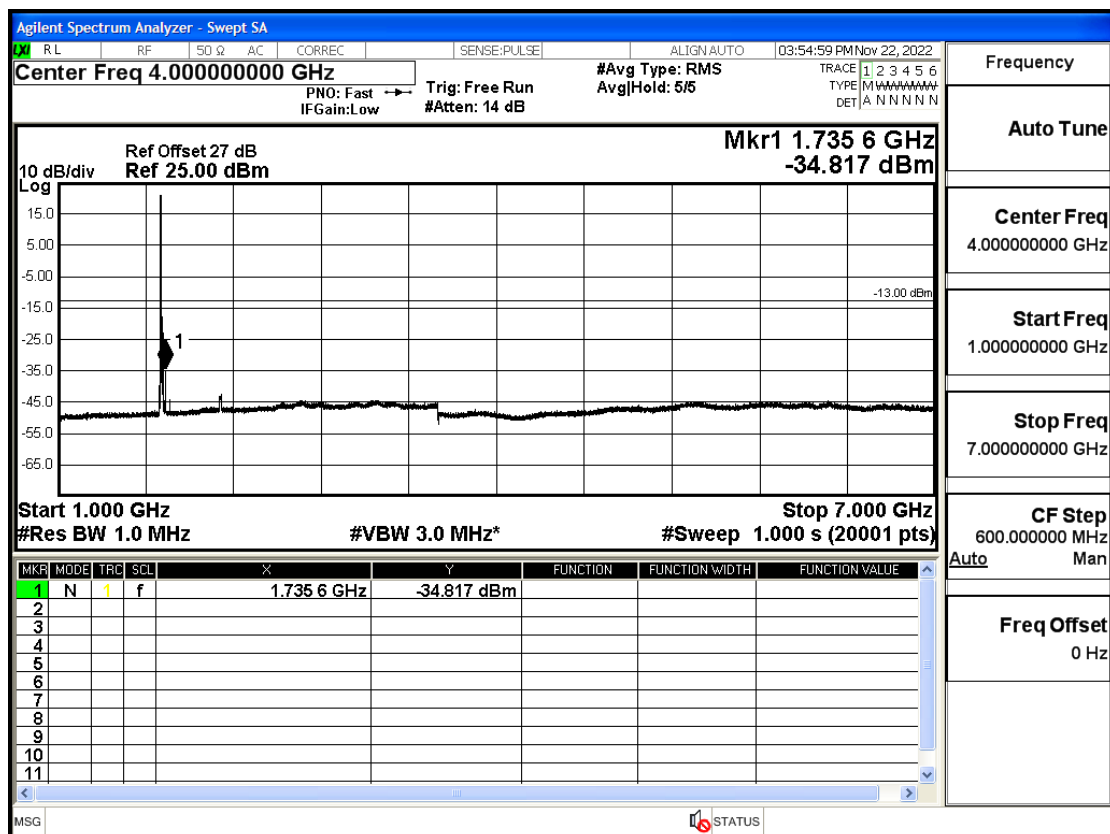
OB4	3	1711.5	Q16	15	LOW	7GHz-13.6GHz	Pass
OB4	3	1711.5	Q16	15	LOW	13.6GHz-20GHz	Pass
OB4	3	1732.5	Q16	15	LOW	30mHz-1GHz	Pass
OB4	3	1732.5	Q16	15	LOW	1GHz-7GHz	Pass
OB4	3	1732.5	Q16	15	LOW	7GHz-13.6GHz	Pass
OB4	3	1732.5	Q16	15	LOW	13.6GHz-20GHz	Pass
OB4	3	1753.5	Q16	15	LOW	30mHz-1GHz	Pass
OB4	3	1753.5	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

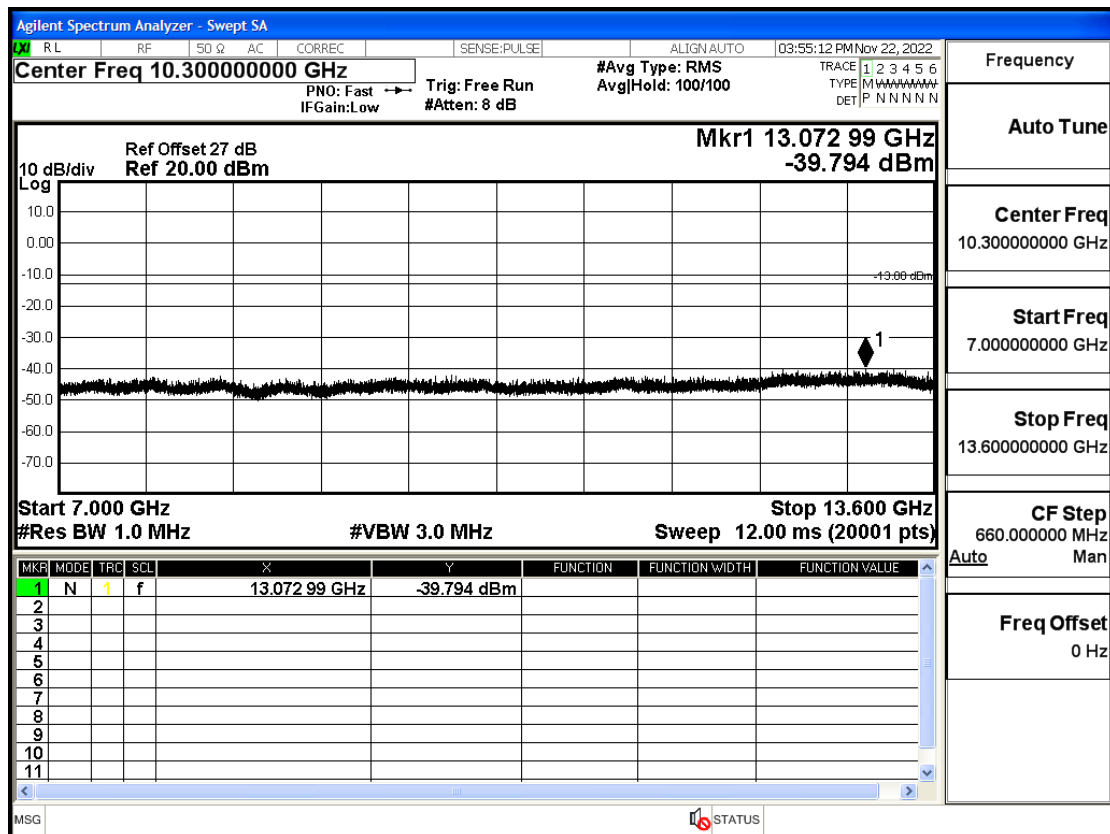
OB4-1.4-1710.7-QPSK-6#LOW@30mHz-1GHz@Pass



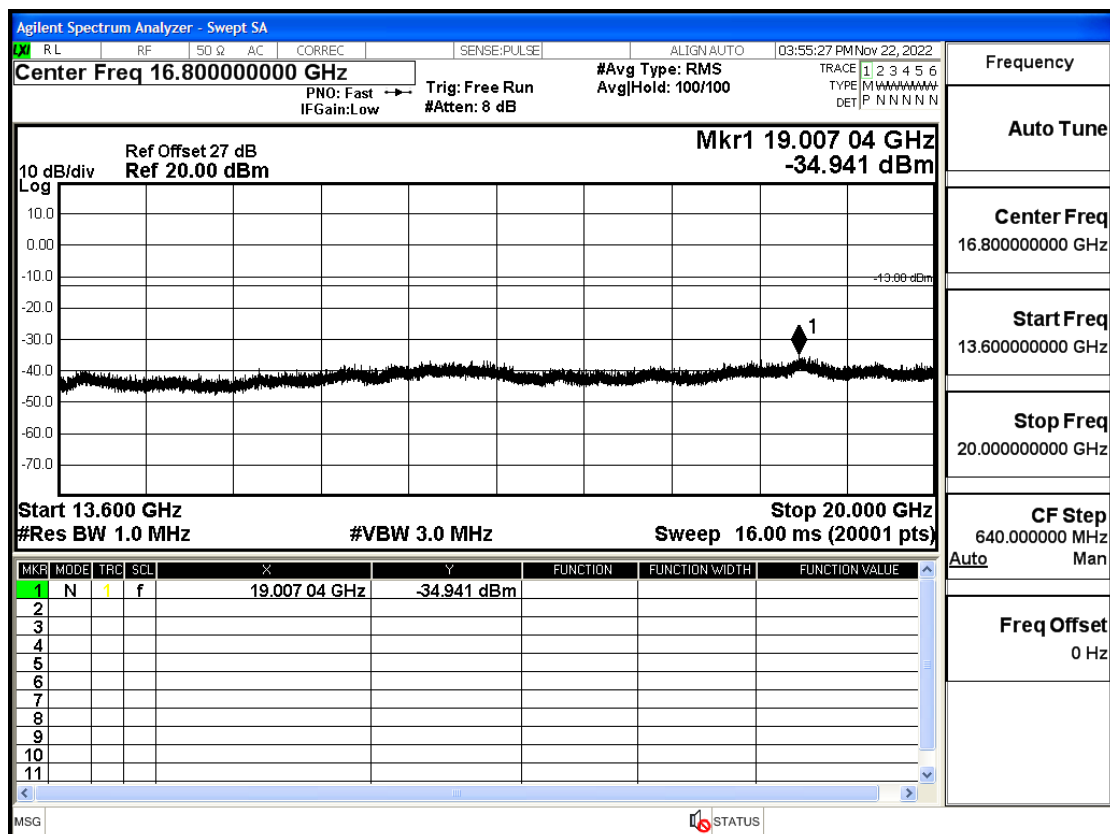
OB4-1.4-1710.7-QPSK-6#LOW@1GHz-7GHz@Pass



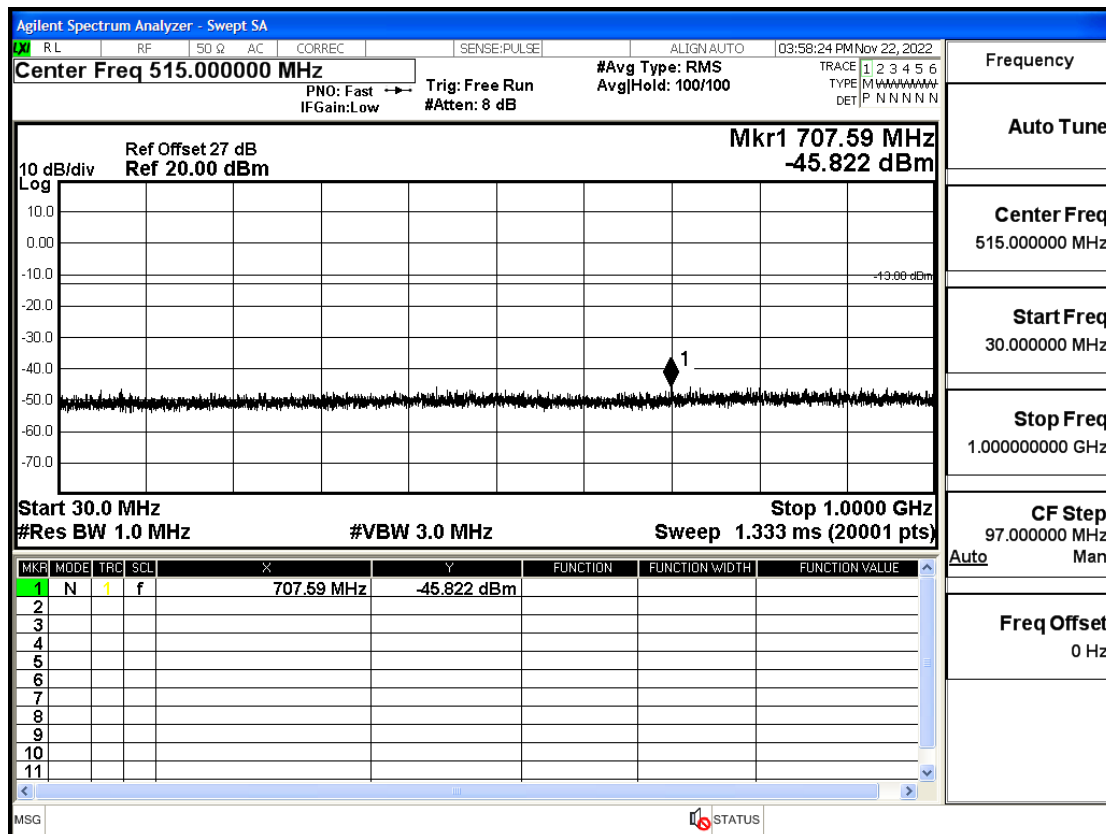
OB4-1.4-1710.7-QPSK-6#LOW@7GHz-13.6GHz@Pass



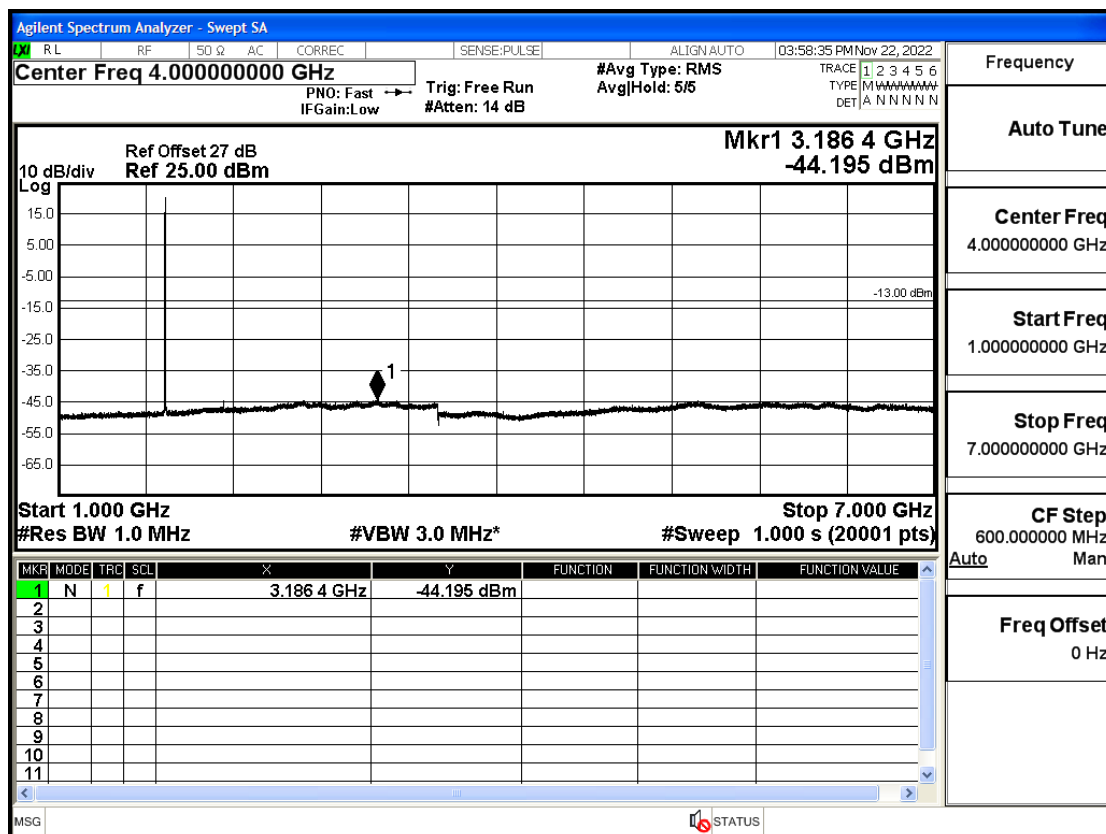
OB4-1.4-1710.7-QPSK-6#LOW@13.6GHz-20GHz@Pass



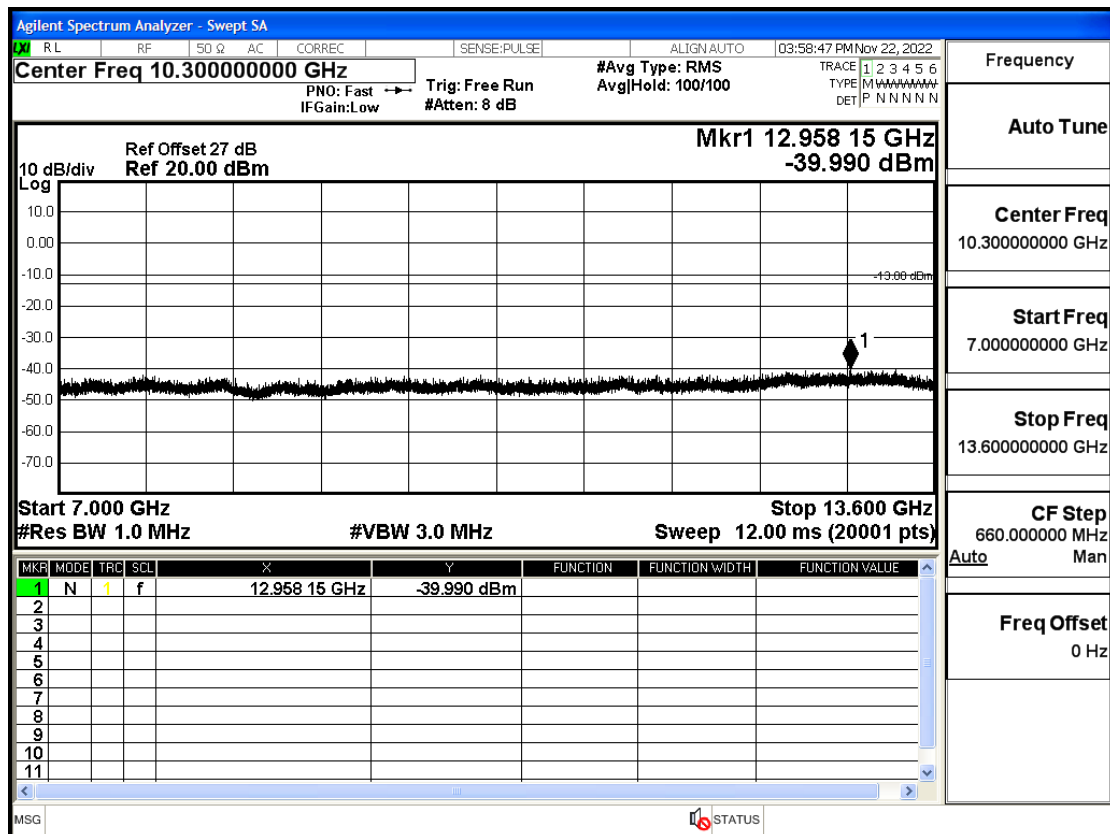
OB4-1.4-1732.5-QPSK-6#LOW@30mHz-1GHz@Pass



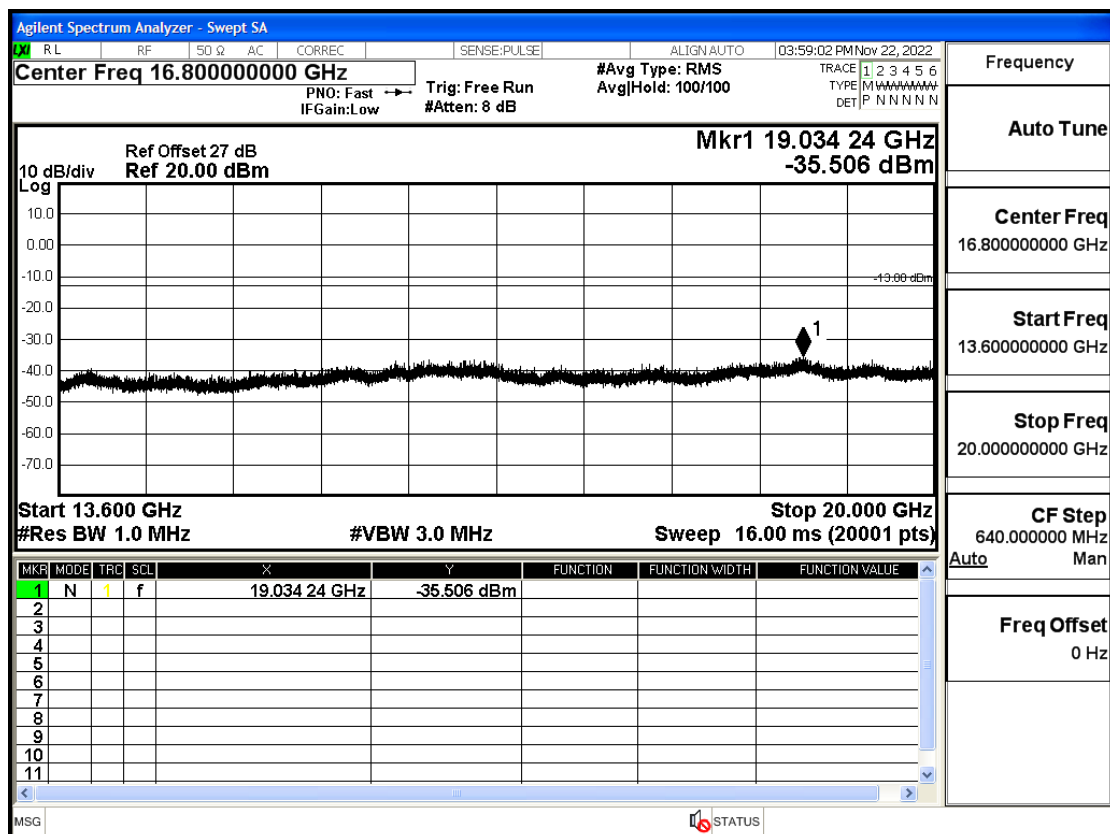
OB4-1.4-1732.5-QPSK-6#LOW@1GHz-7GHz@Pass



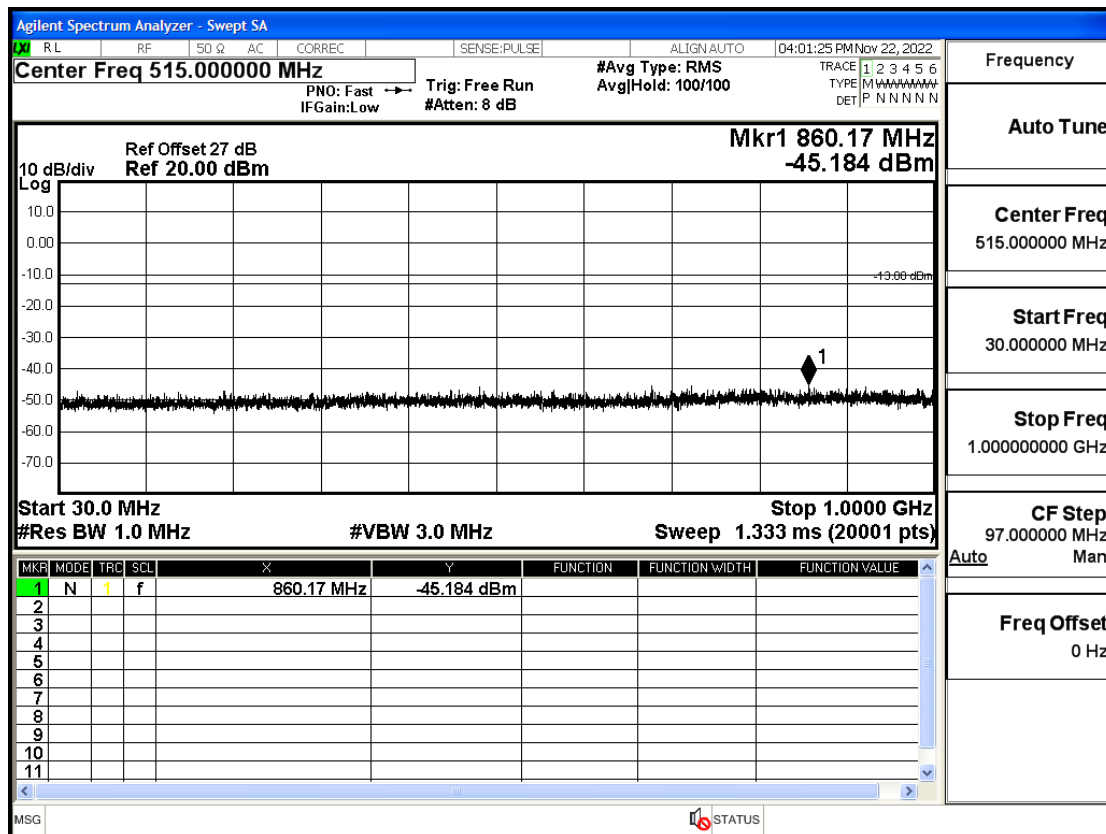
OB4-1.4-1732.5-QPSK-6#LOW@7GHz-13.6GHz@Pass



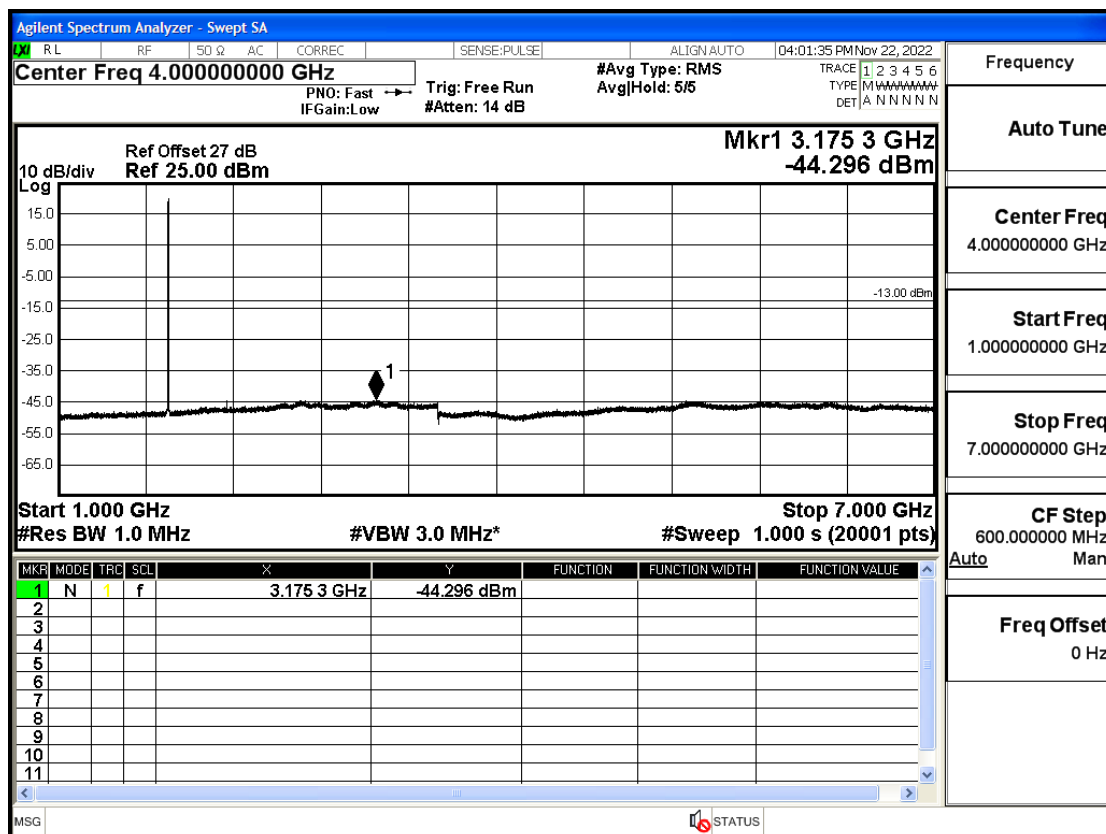
OB4-1.4-1732.5-QPSK-6#LOW@13.6GHz-20GHz@Pass



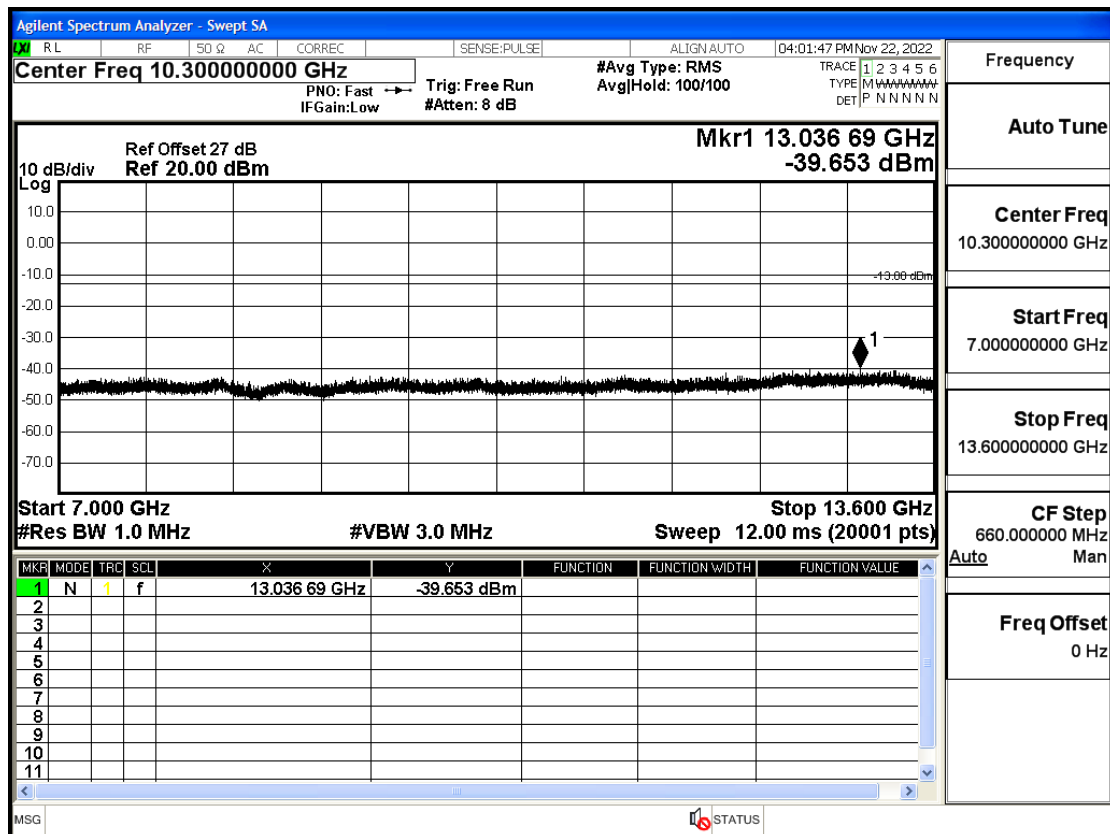
OB4-1.4-1754.3-QPSK-6#LOW@30mHz-1GHz@Pass



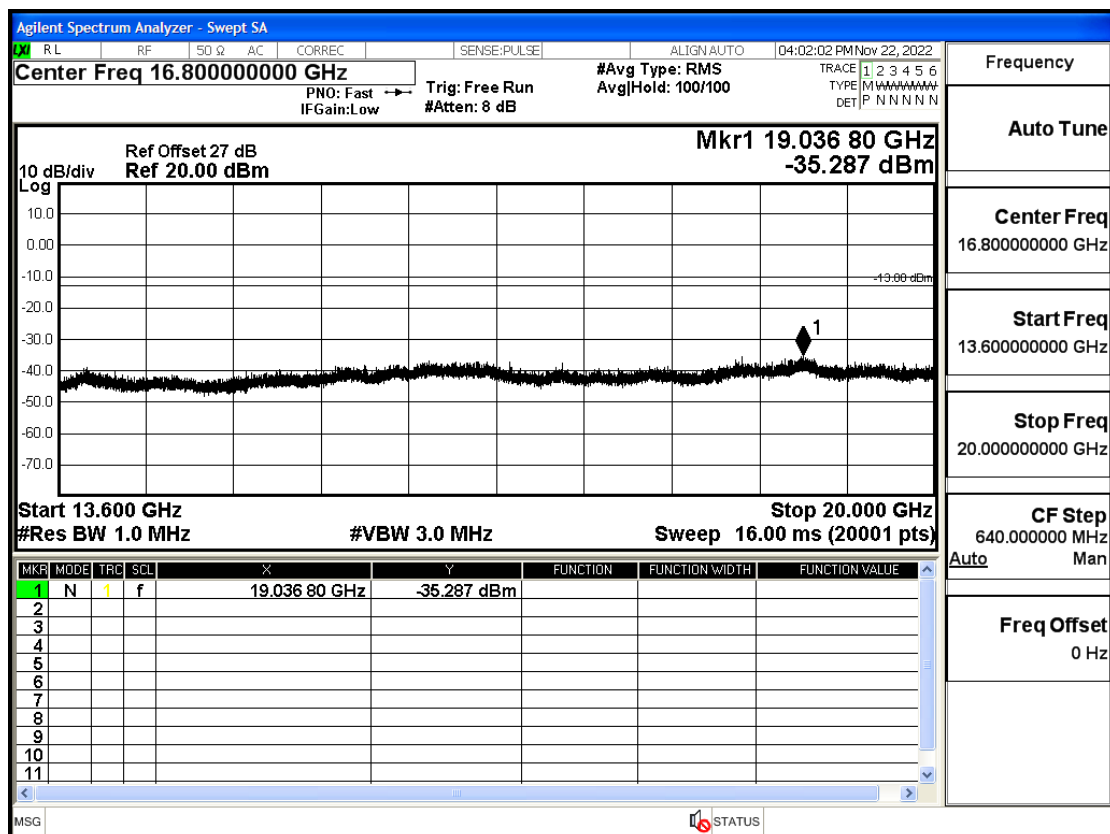
OB4-1.4-1754.3-QPSK-6#LOW@1GHz-7GHz@Pass



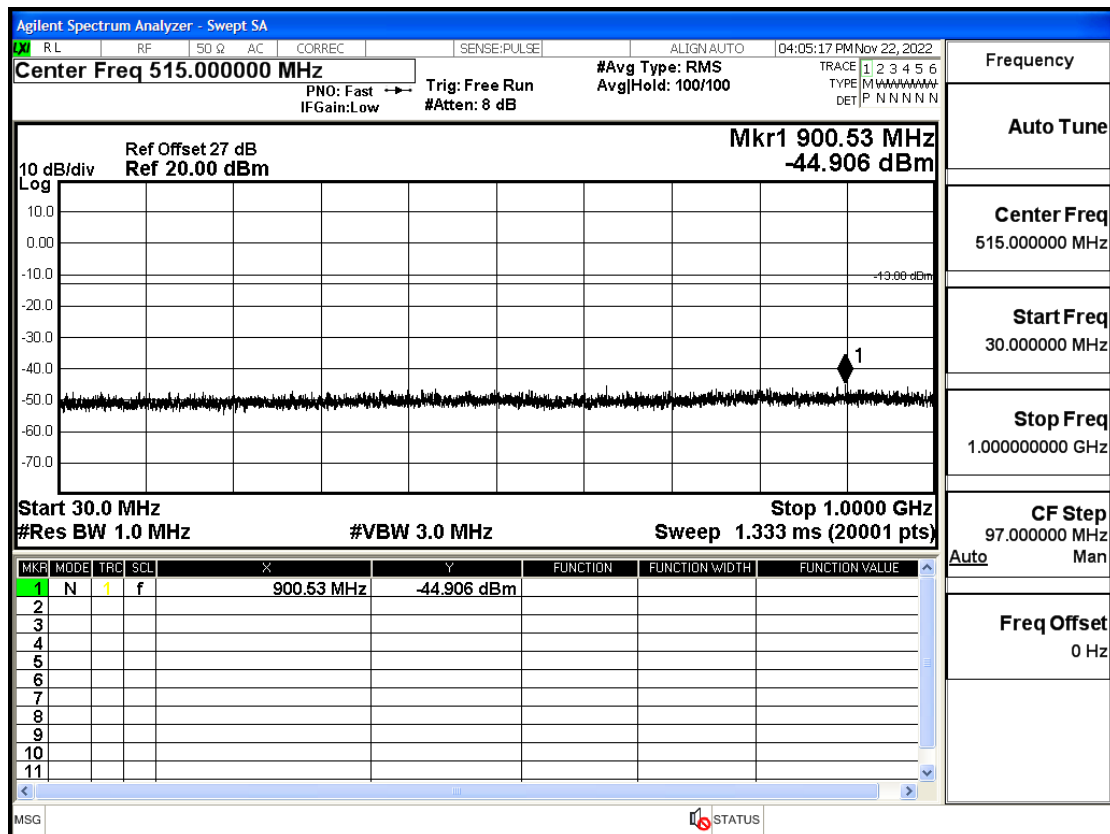
OB4-1.4-1754.3-QPSK-6#LOW@7GHz-13.6GHz@Pass



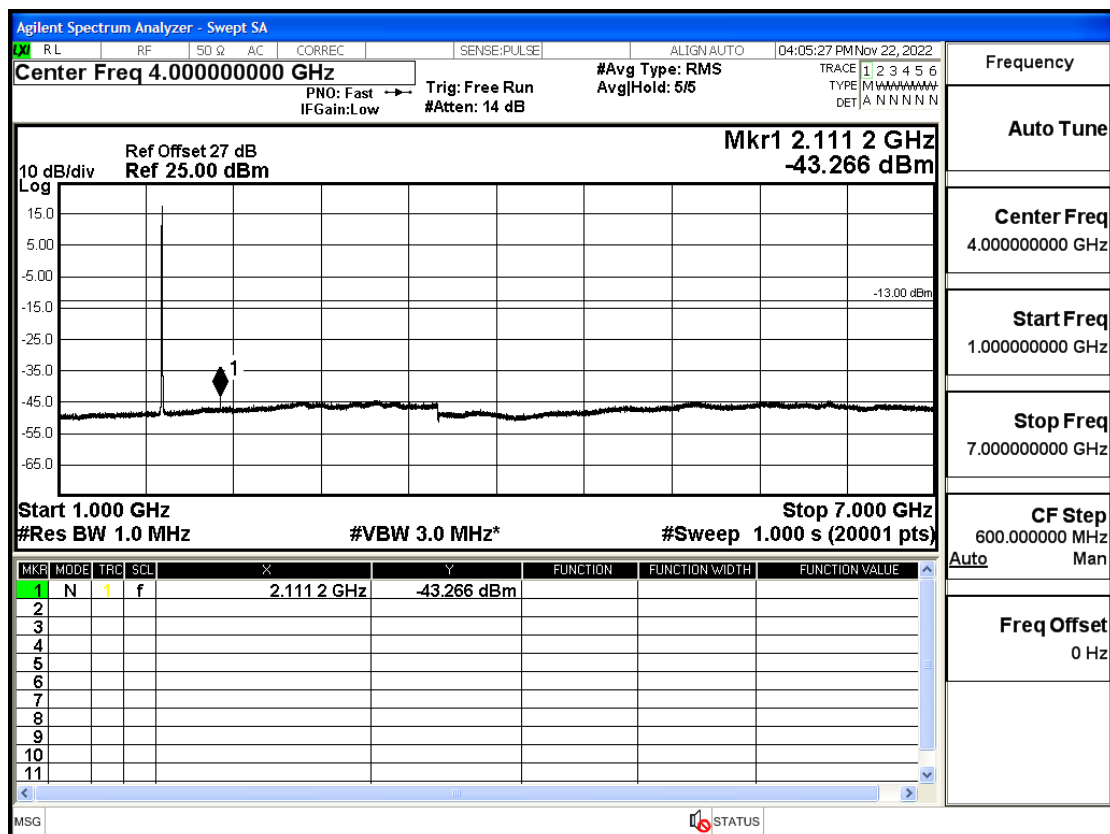
OB4-1.4-1754.3-QPSK-6#LOW@13.6GHz-20GHz@Pass



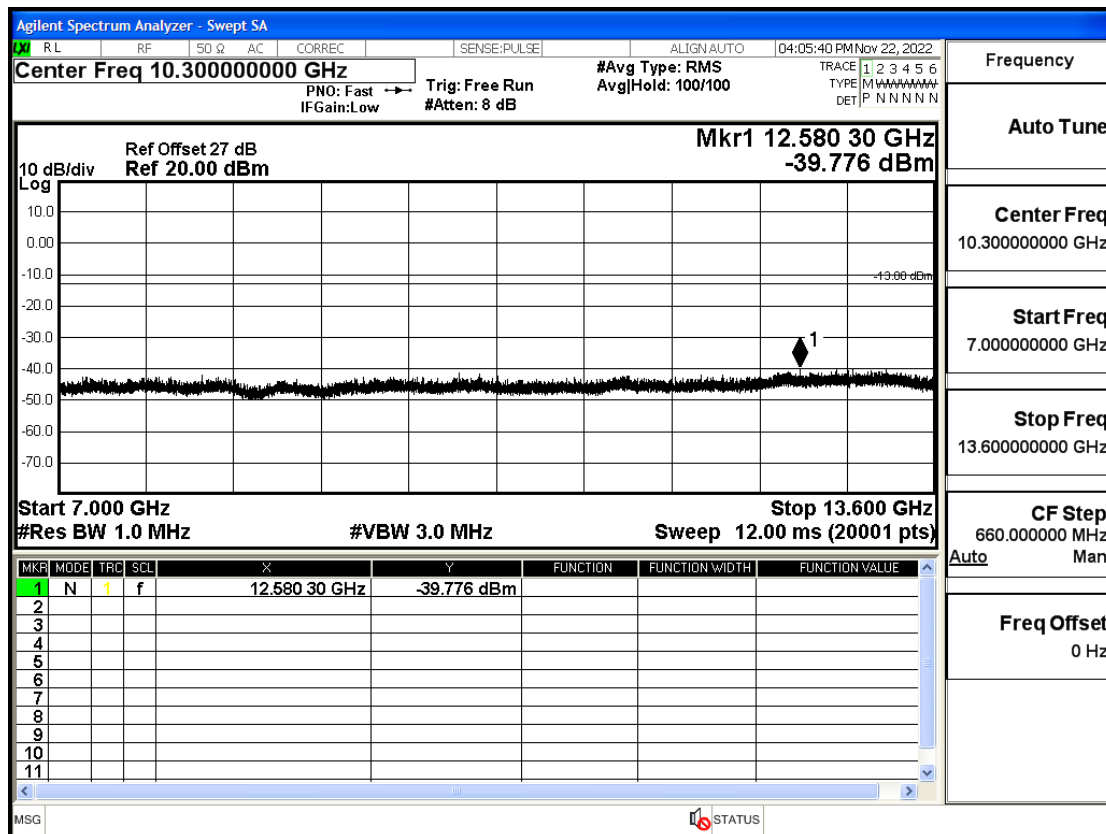
OB4-3-1711.5-QPSK-15#LOW@30mHz-1GHz@Pass



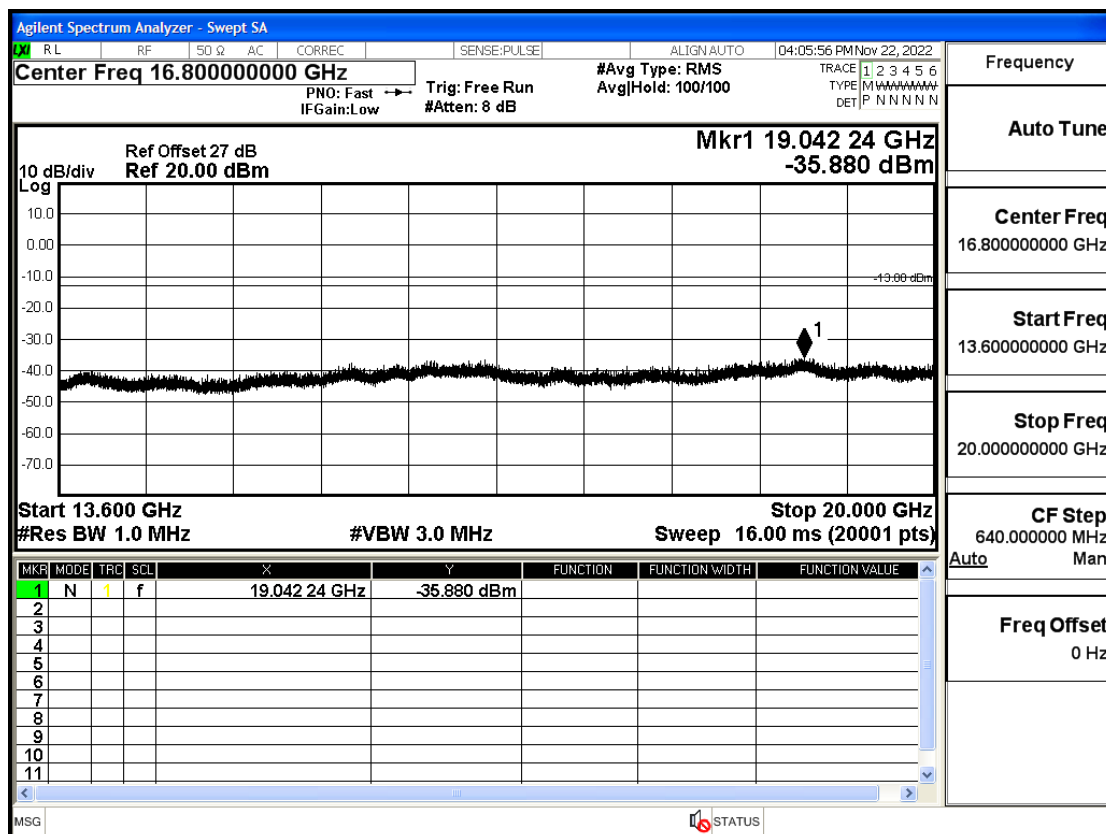
OB4-3-1711.5-QPSK-15#LOW@1GHz-7GHz@Pass



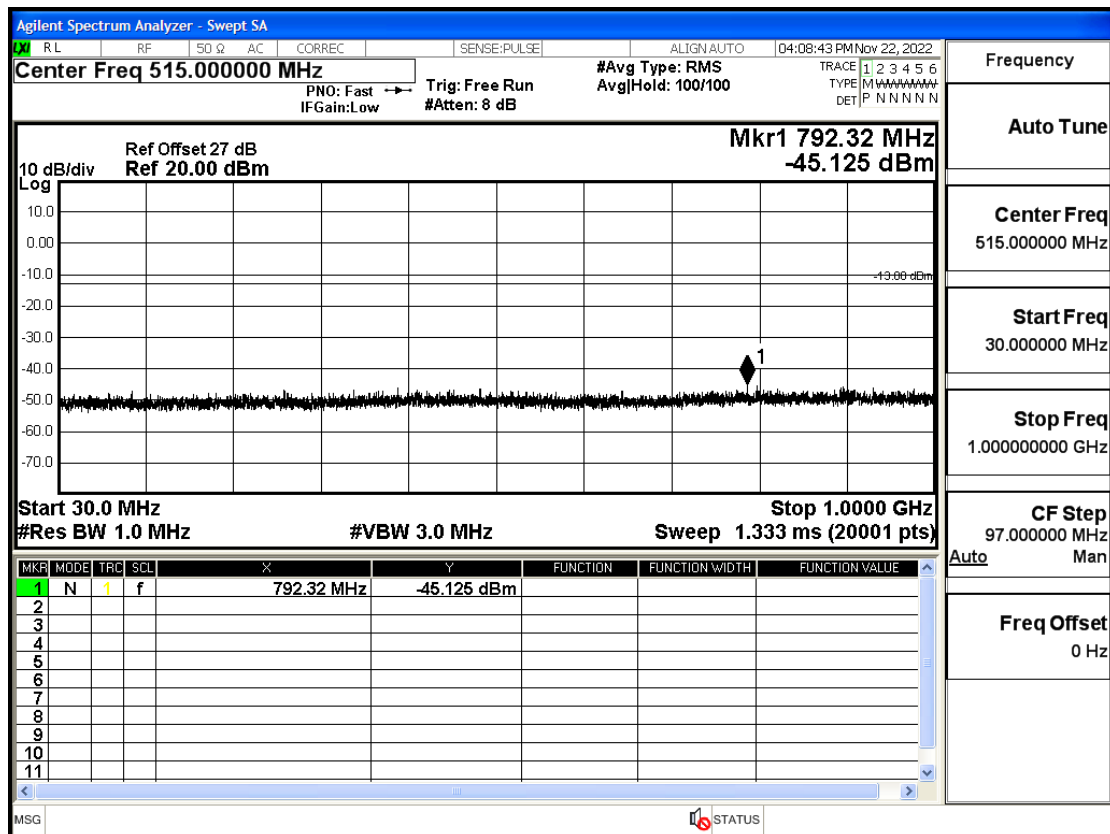
OB4-3-1711.5-QPSK-15#LOW@7GHz-13.6GHz@Pass



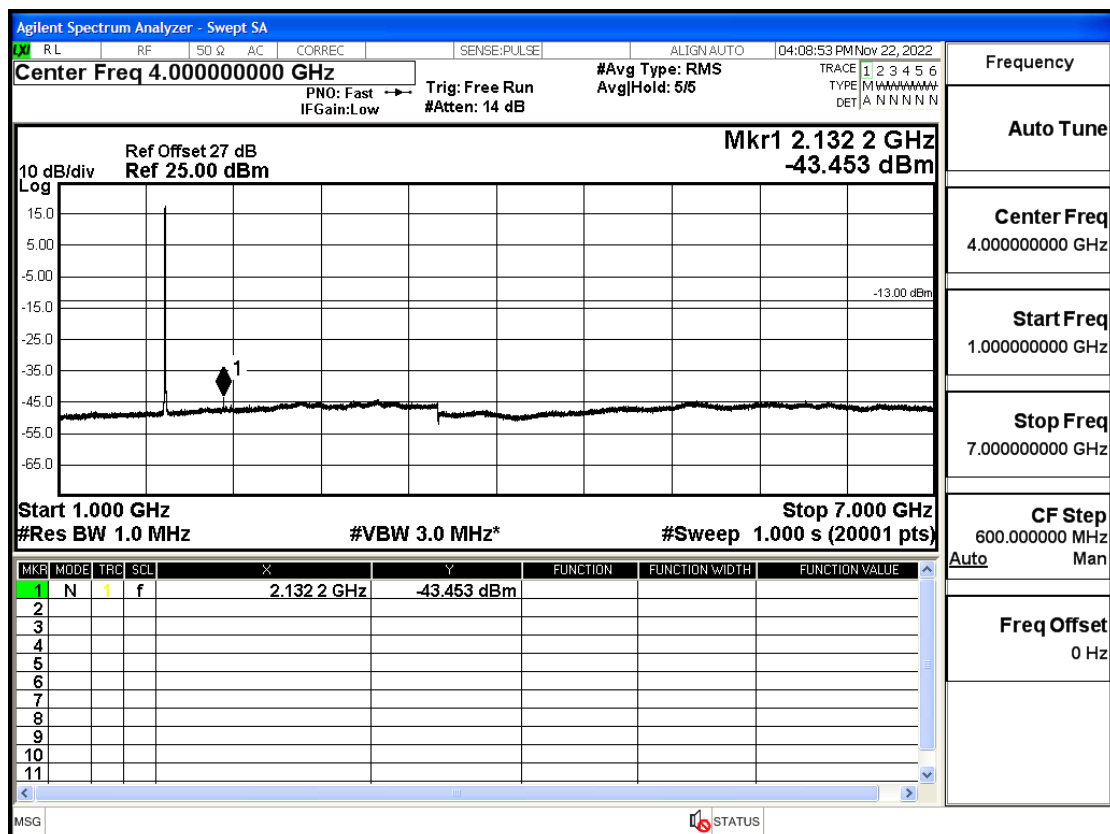
OB4-3-1711.5-QPSK-15#LOW@13.6GHz-20GHz@Pass



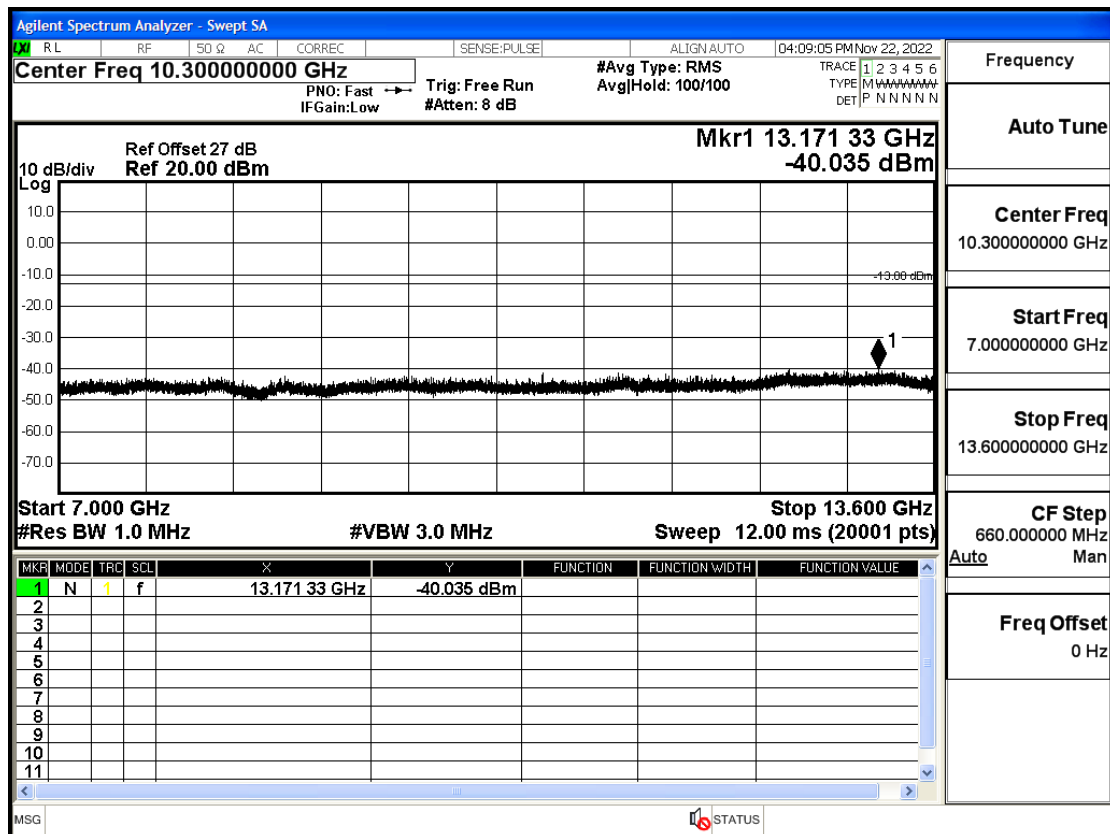
OB4-3-1732.5-QPSK-15#LOW@30mHz-1GHz@Pass



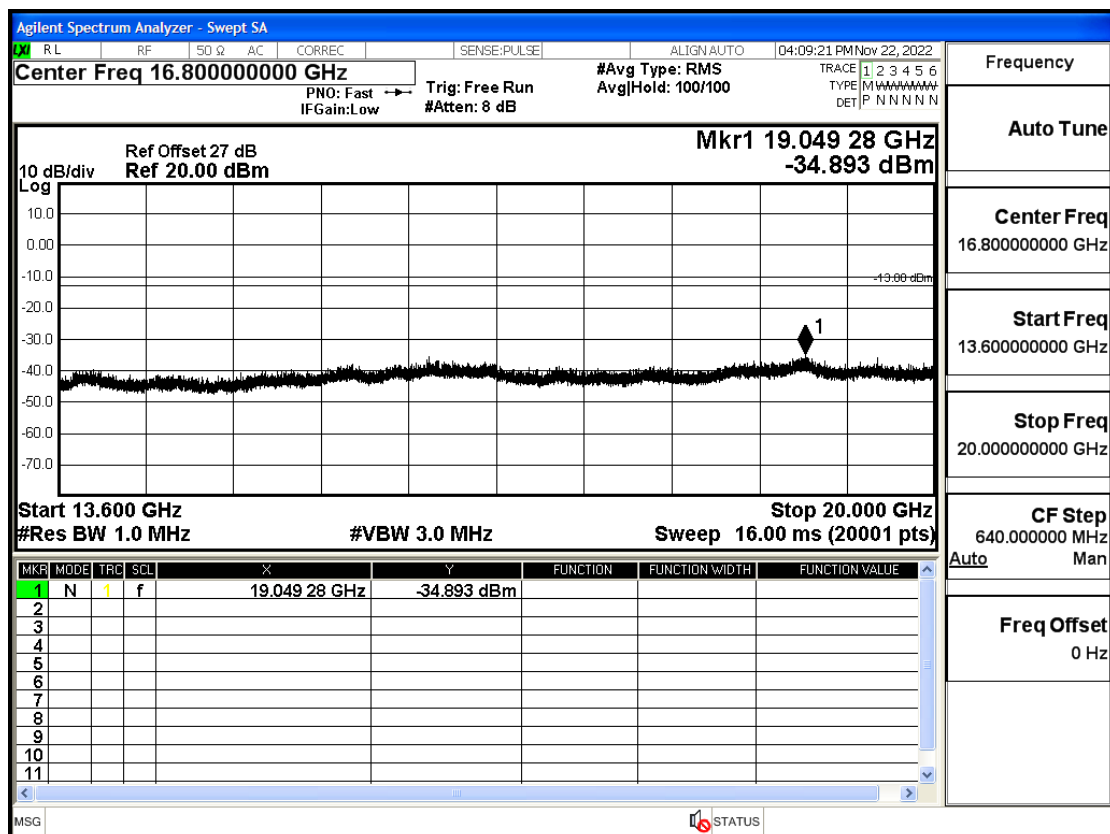
OB4-3-1732.5-QPSK-15#LOW@1GHz-7GHz@Pass



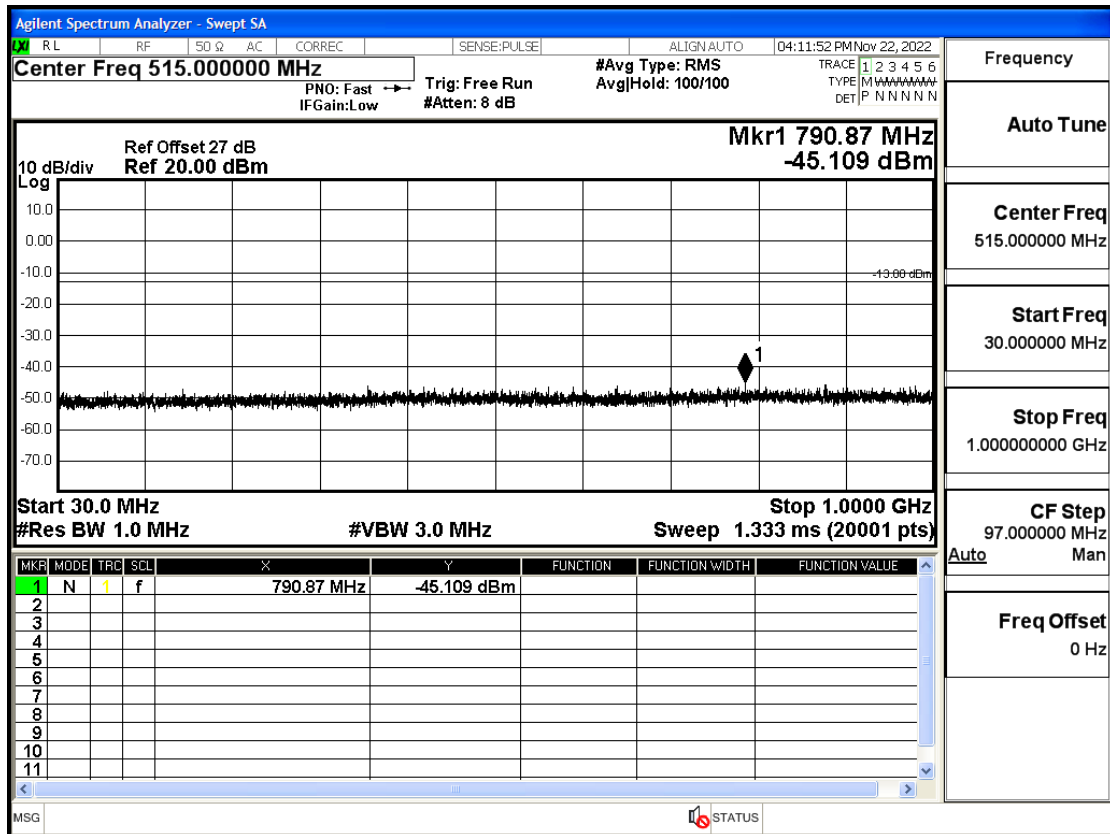
OB4-3-1732.5-QPSK-15#LOW@7GHz-13.6GHz@Pass



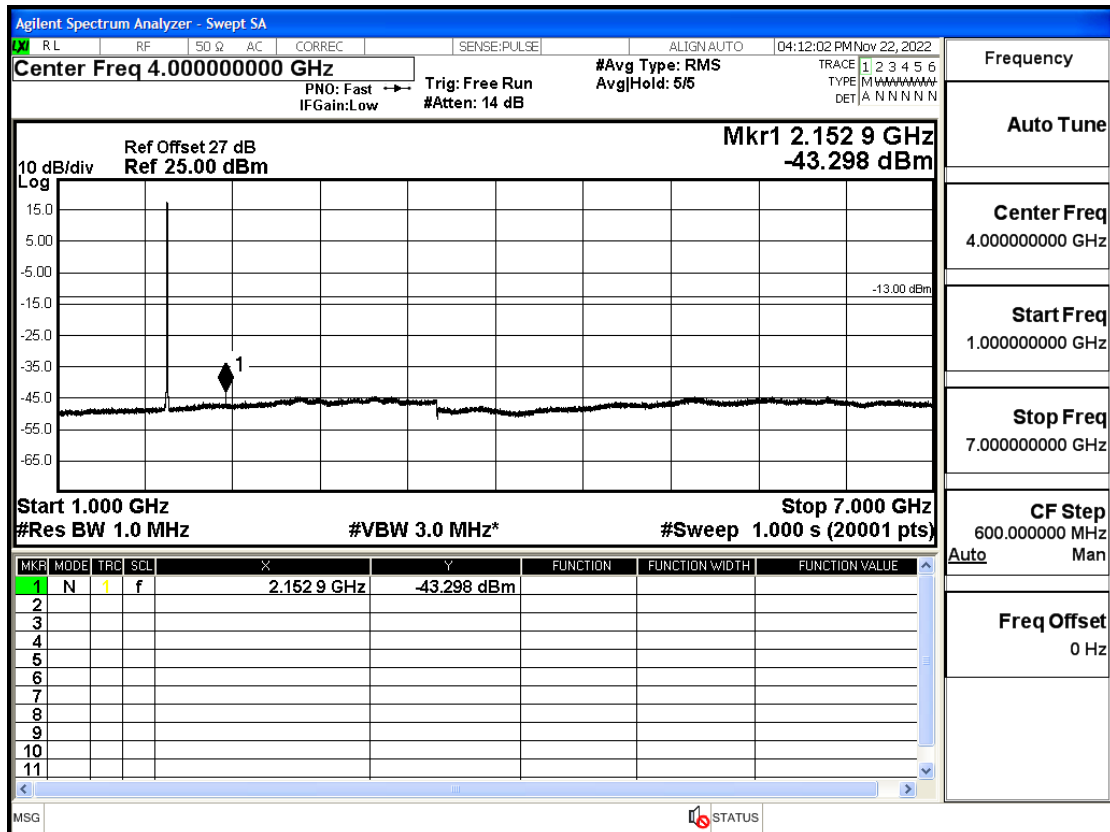
OB4-3-1732.5-QPSK-15#LOW@13.6GHz-20GHz@Pass



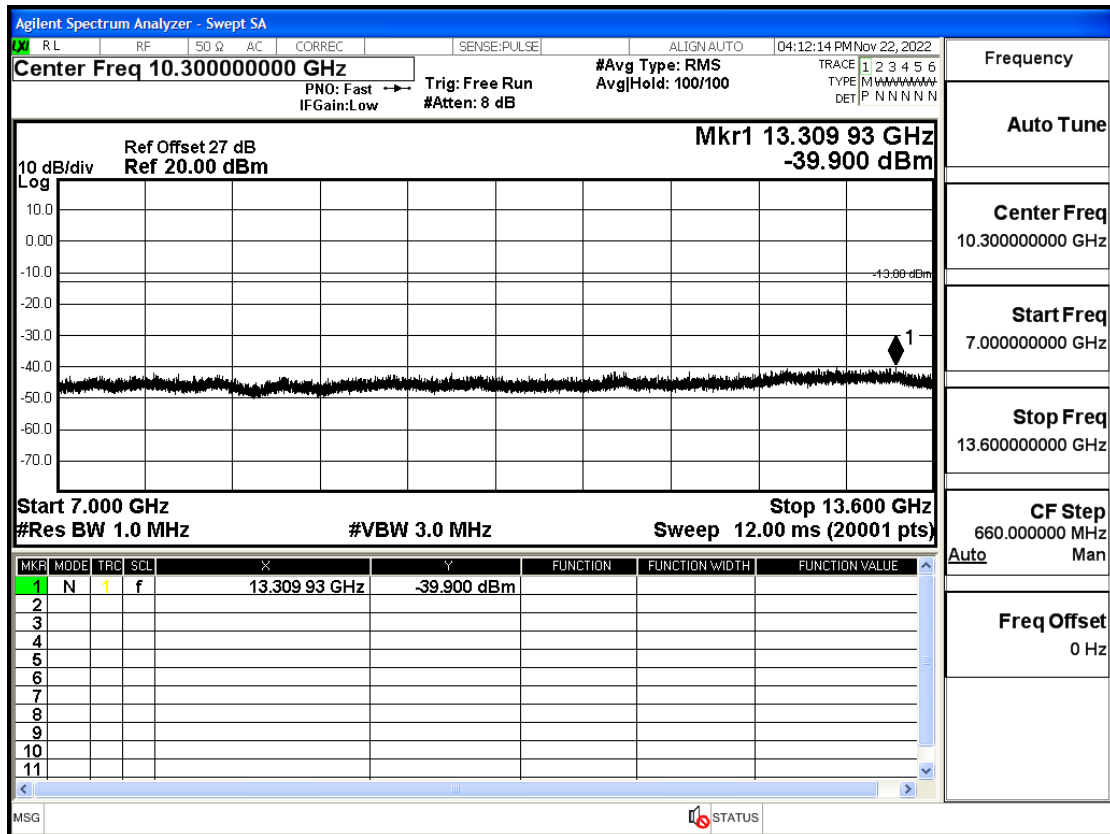
OB4-3-1753.5-QPSK-15#LOW@30mHz-1GHz@Pass



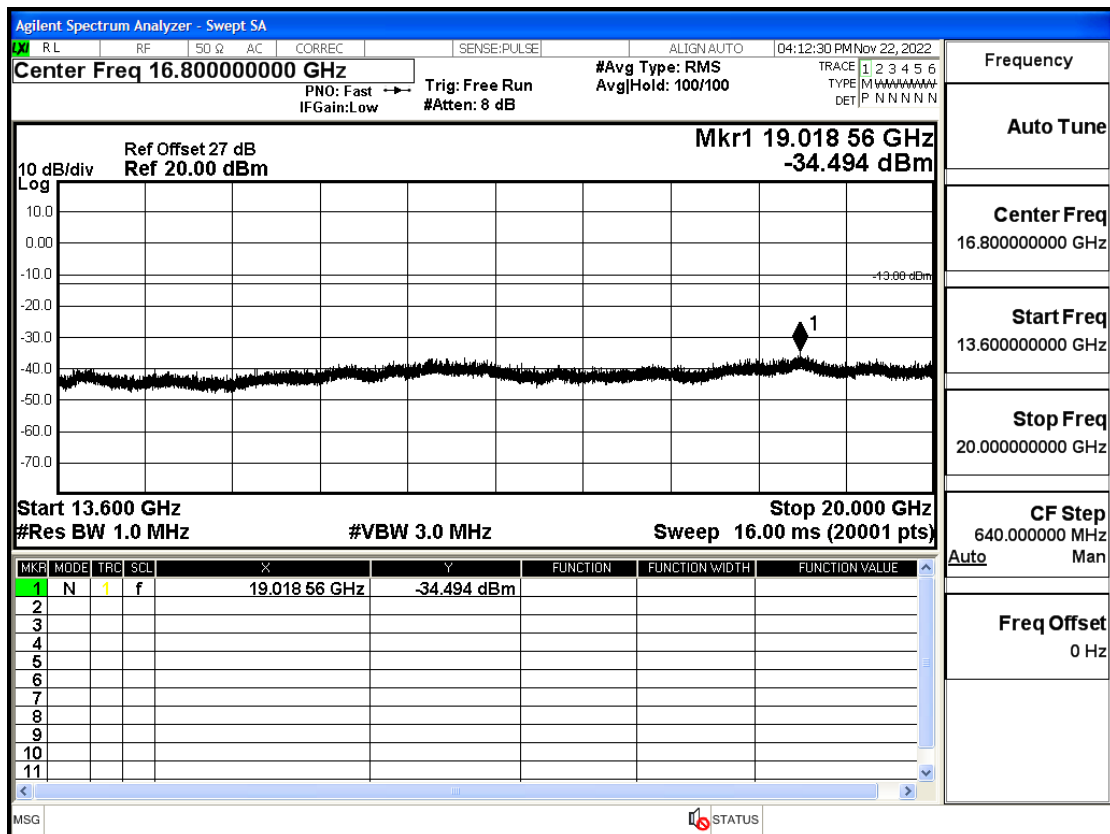
OB4-3-1753.5-QPSK-15#LOW@1GHz-7GHz@Pass



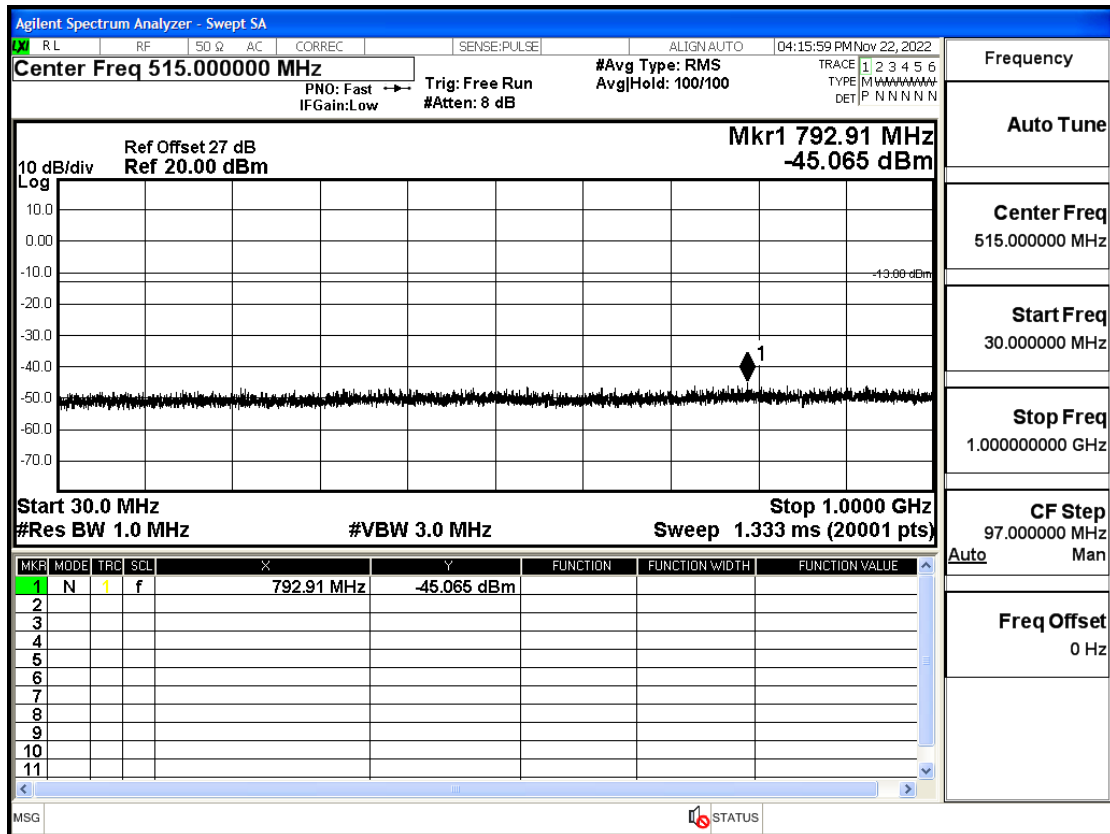
OB4-3-1753.5-QPSK-15#LOW@7GHz-13.6GHz@Pass



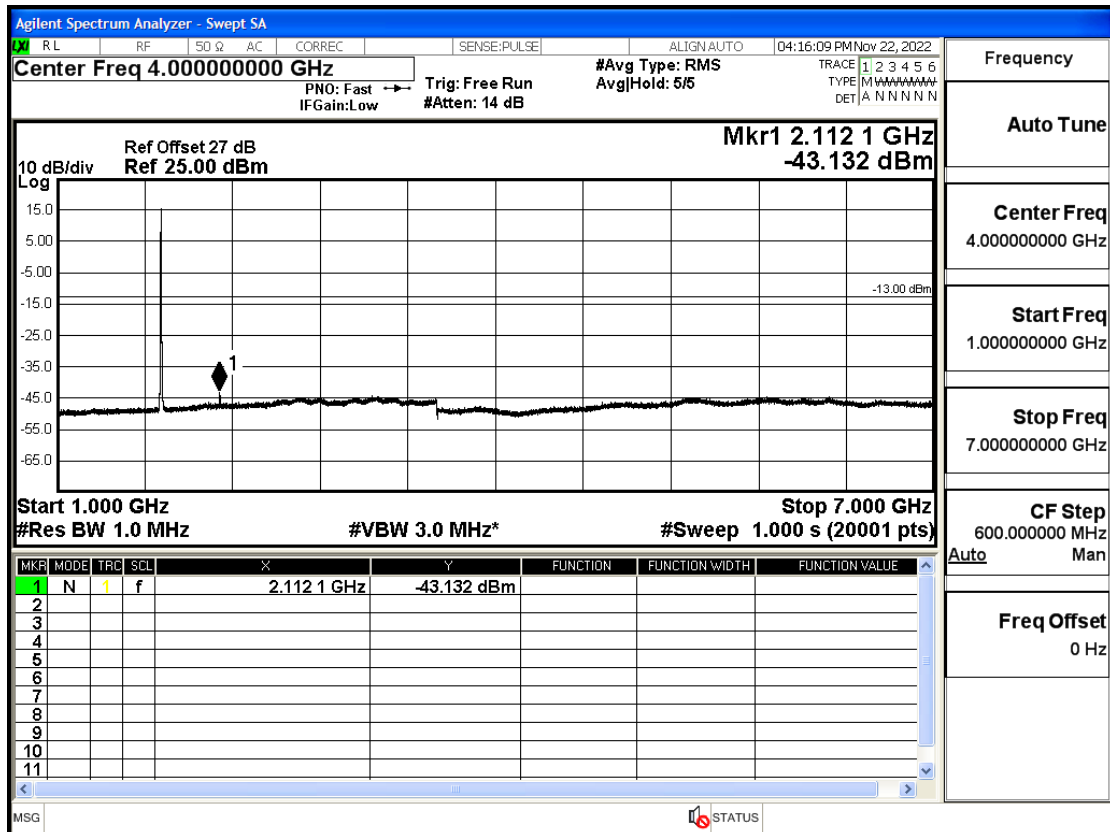
OB4-3-1753.5-QPSK-15#LOW@13.6GHz-20GHz@Pass



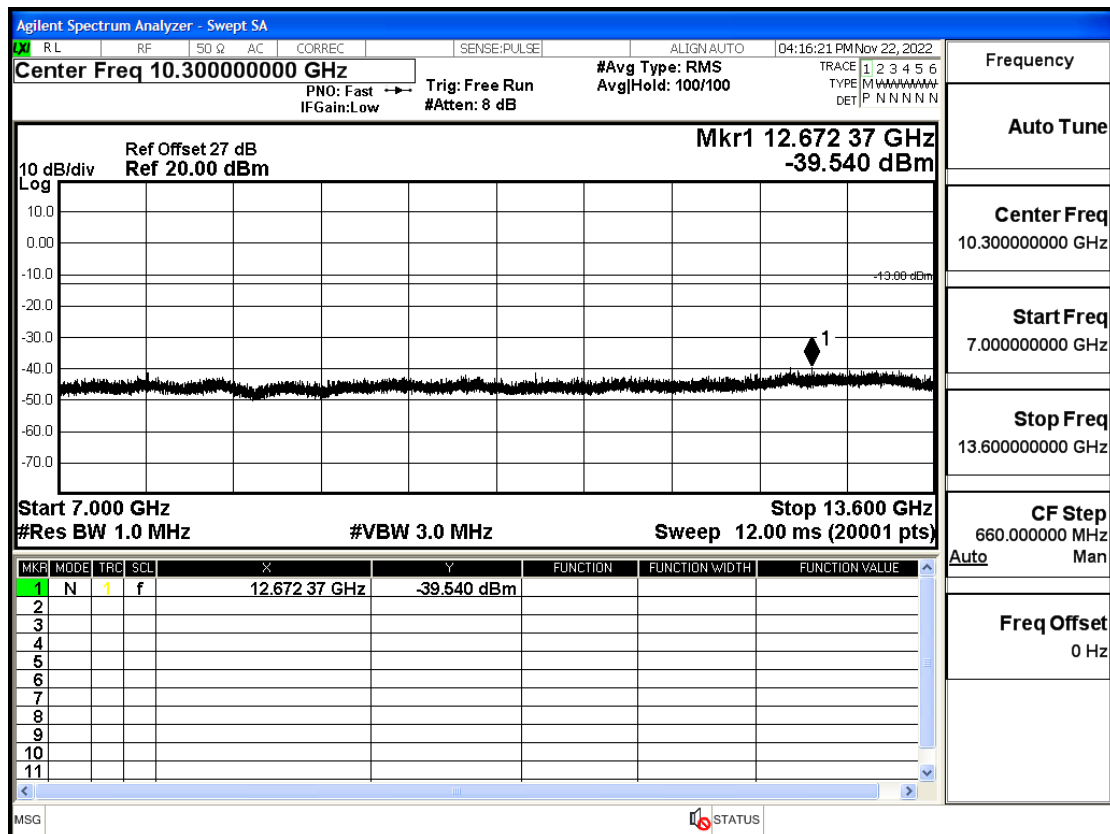
OB4-5-1712.5-QPSK-25#LOW@30mHz-1GHz@Pass



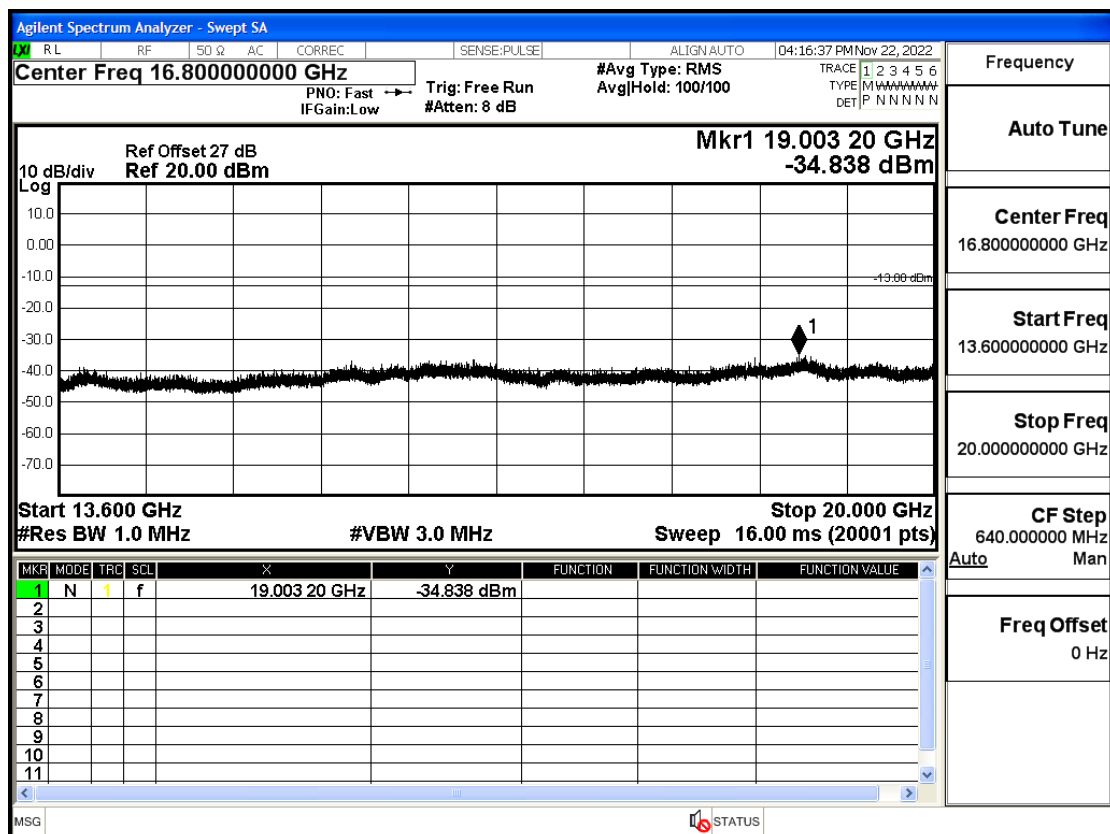
OB4-5-1712.5-QPSK-25#LOW@1GHz-7GHz@Pass



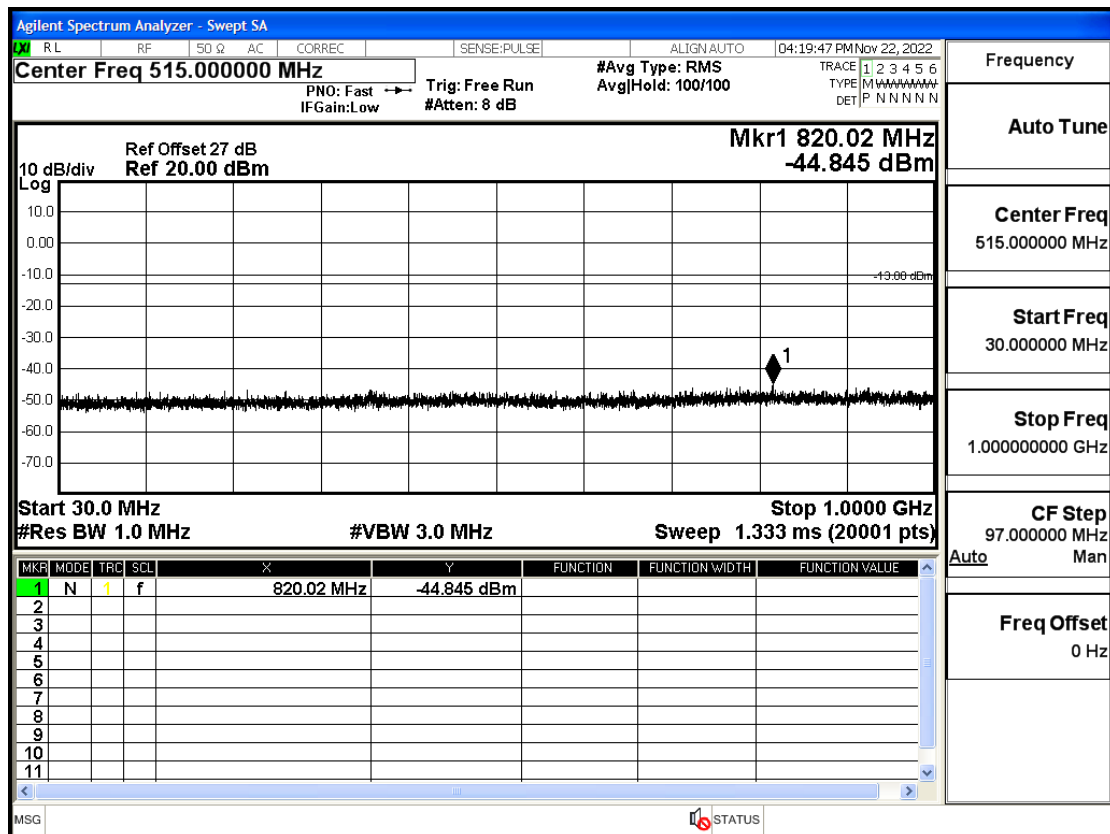
OB4-5-1712.5-QPSK-25#LOW@7GHz-13.6GHz@Pass



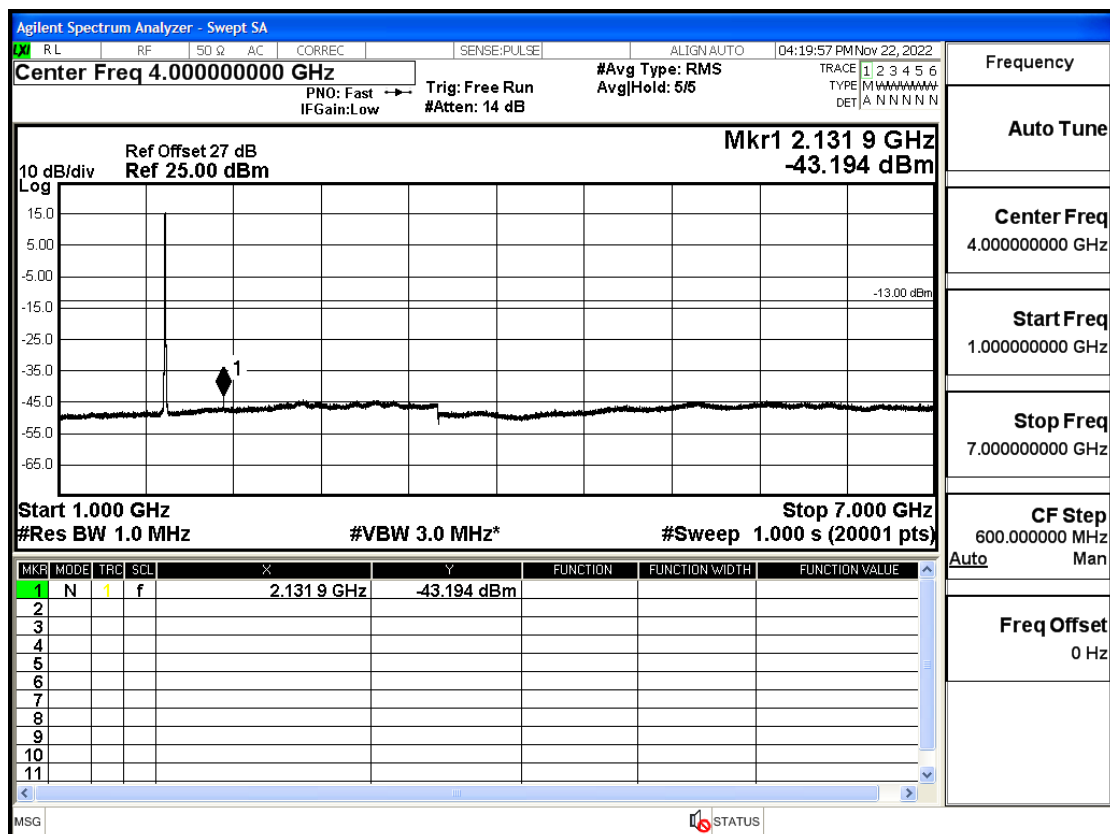
OB4-5-1712.5-QPSK-25#LOW@13.6GHz-20GHz@Pass



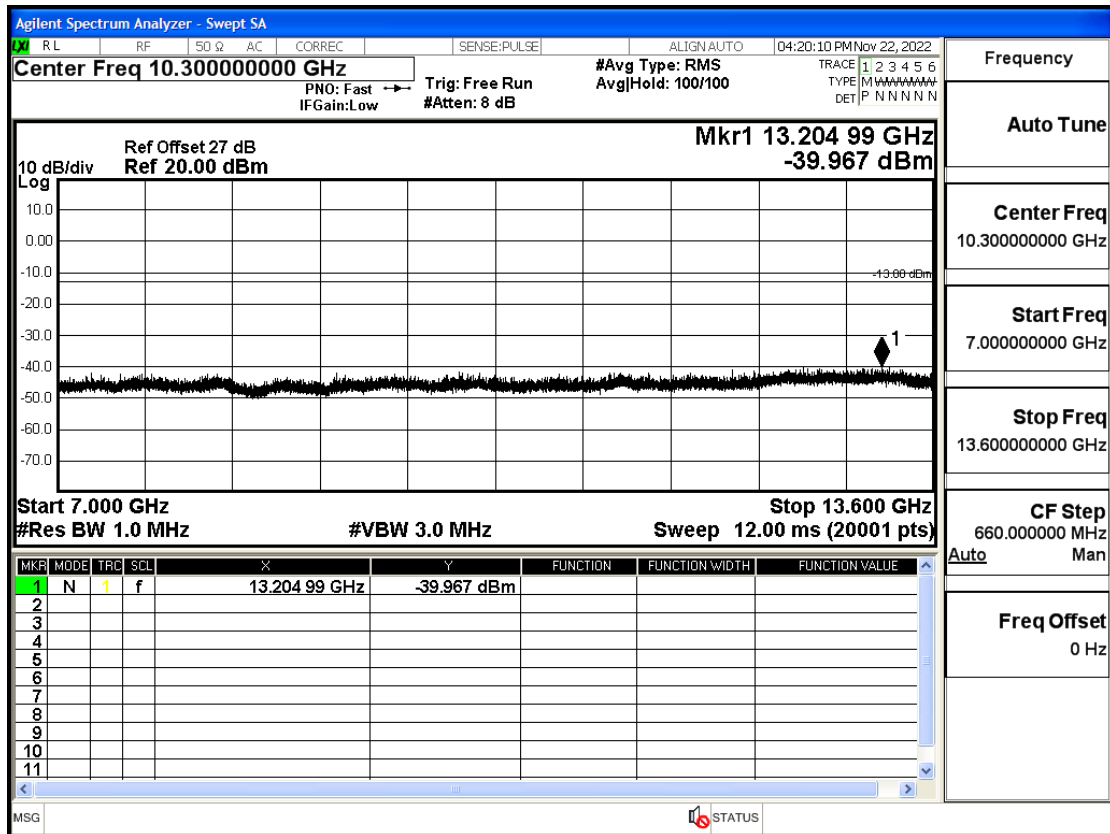
OB4-5-1732.5-QPSK-25#LOW@30mHz-1GHz@Pass



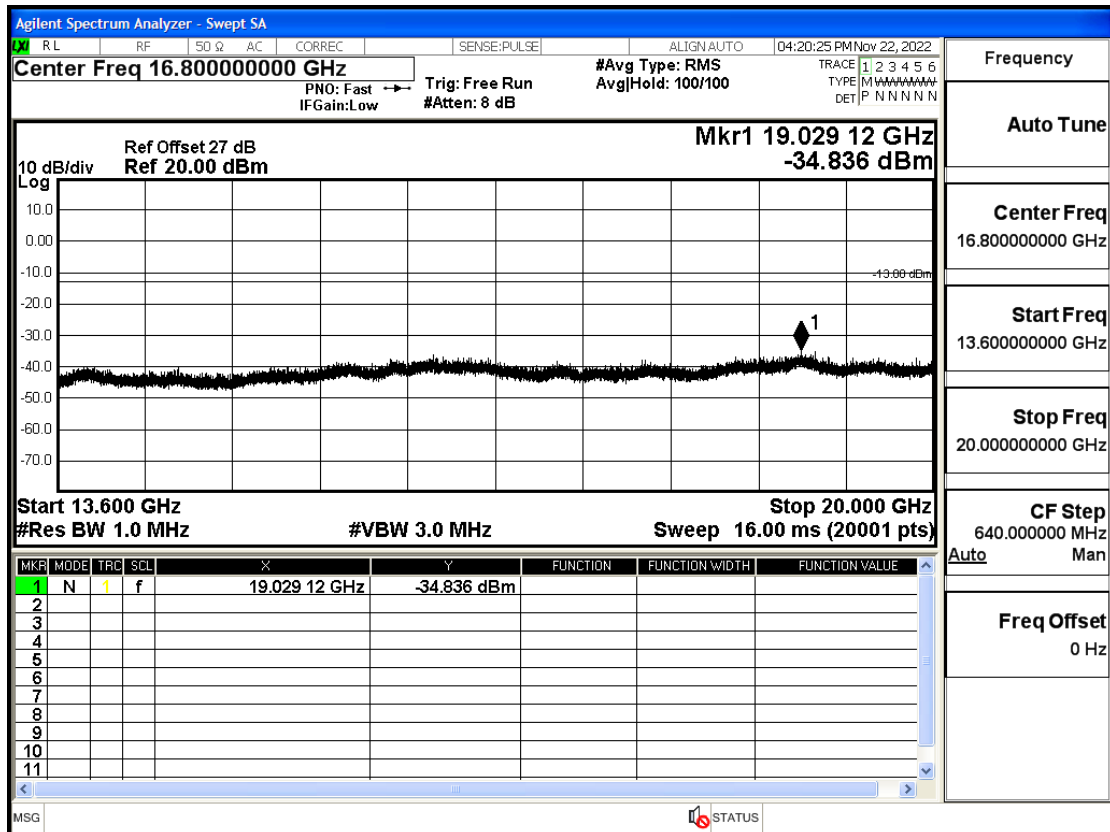
OB4-5-1732.5-QPSK-25#LOW@1GHz-7GHz@Pass



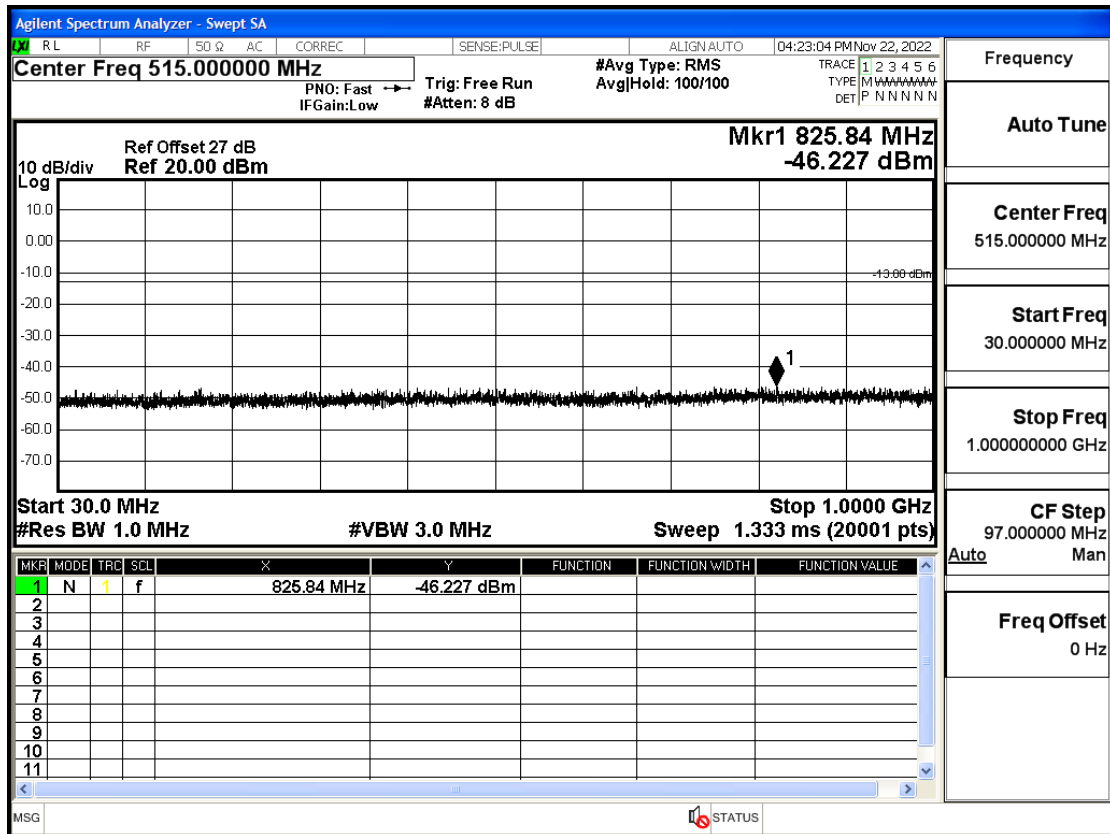
OB4-5-1732.5-QPSK-25#LOW@7GHz-13.6GHz@Pass



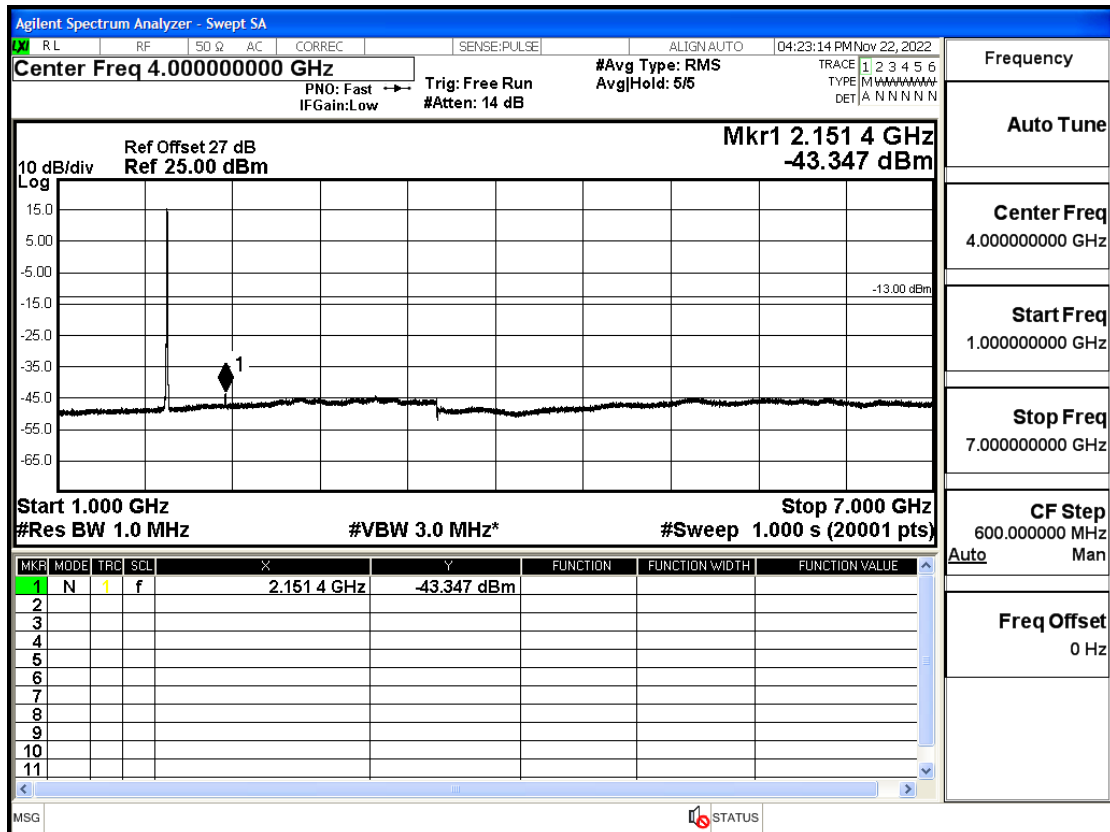
OB4-5-1732.5-QPSK-25#LOW@13.6GHz-20GHz@Pass



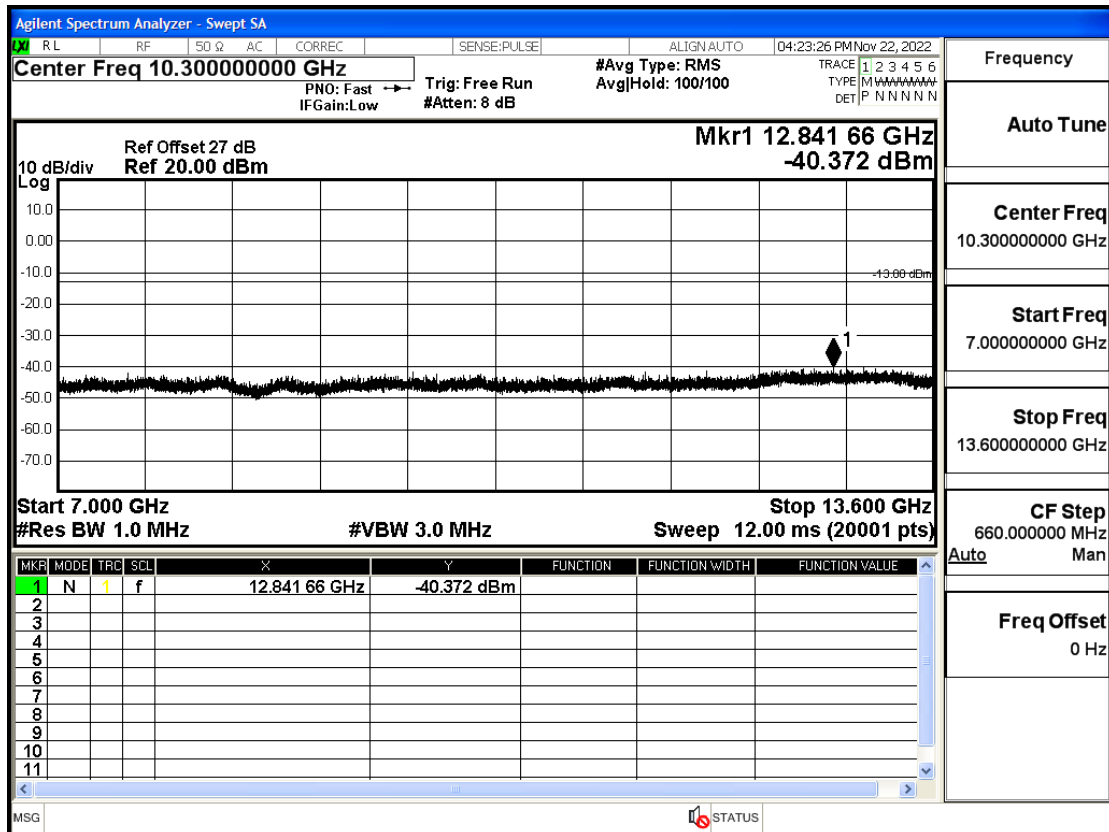
OB4-5-1752.5-QPSK-25#LOW@30mHz-1GHz@Pass



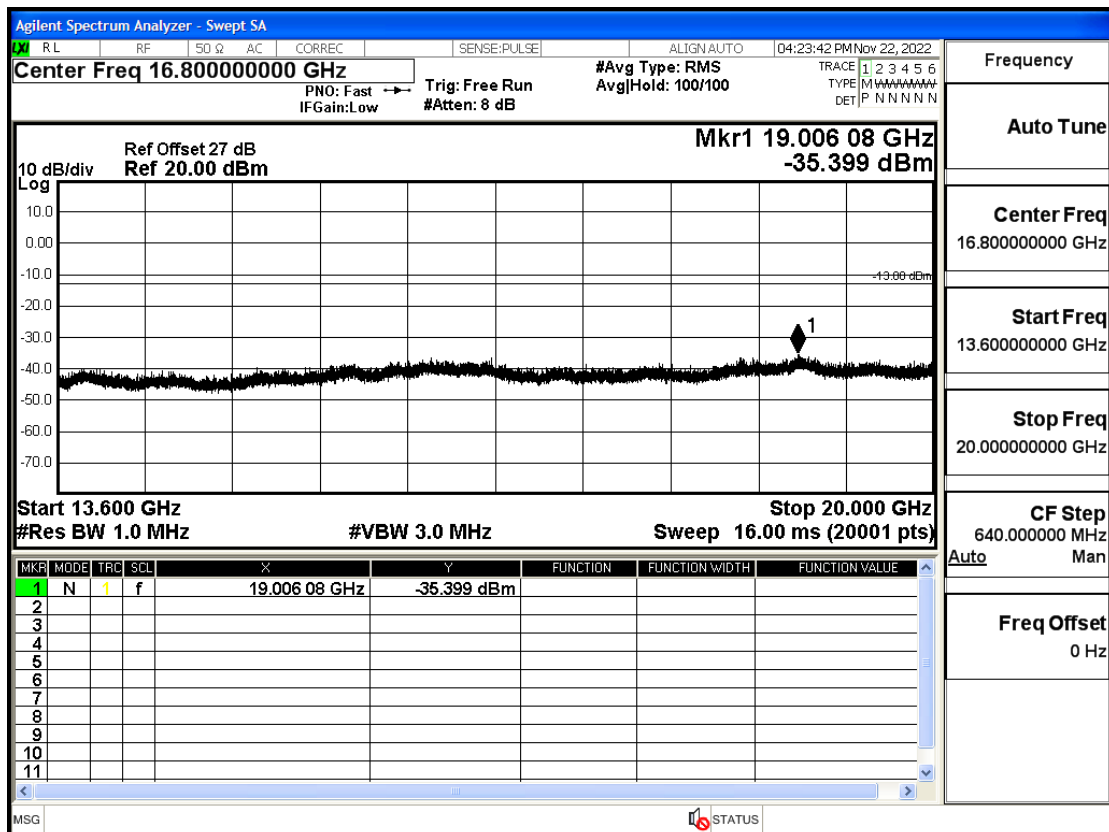
OB4-5-1752.5-QPSK-25#LOW@1GHz-7GHz@Pass



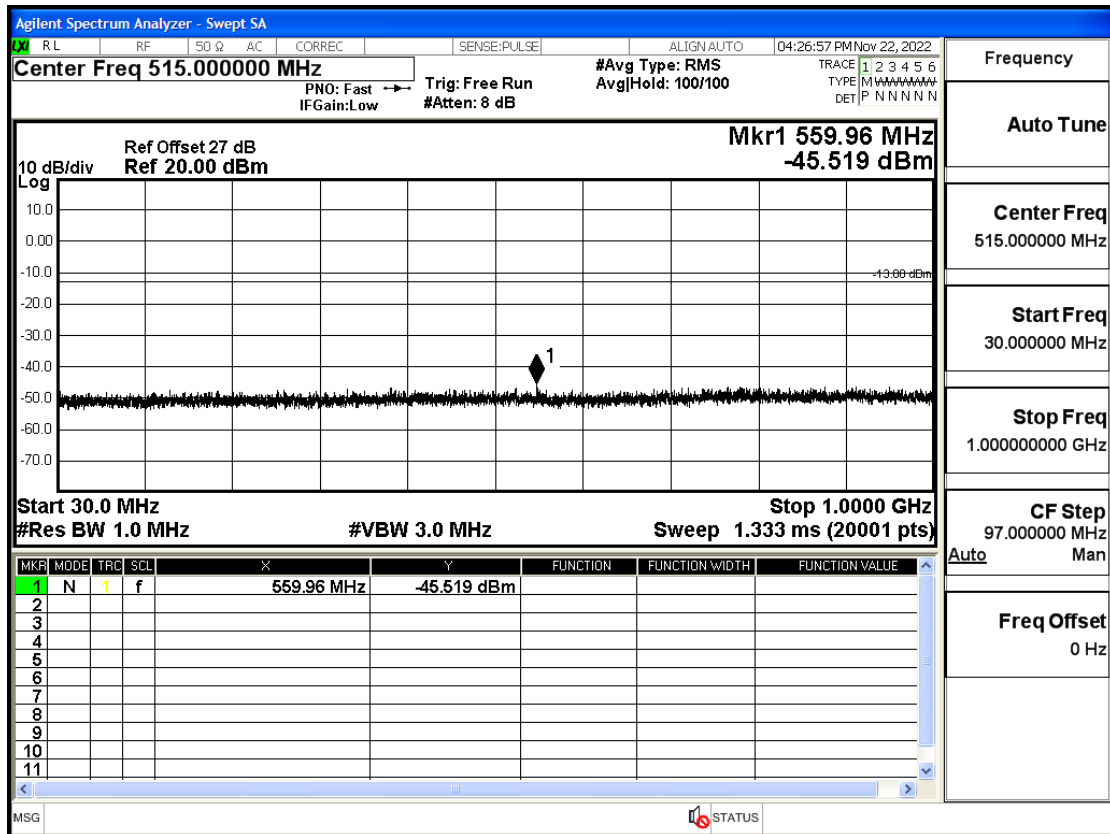
OB4-5-1752.5-QPSK-25#LOW@7GHz-13.6GHz@Pass



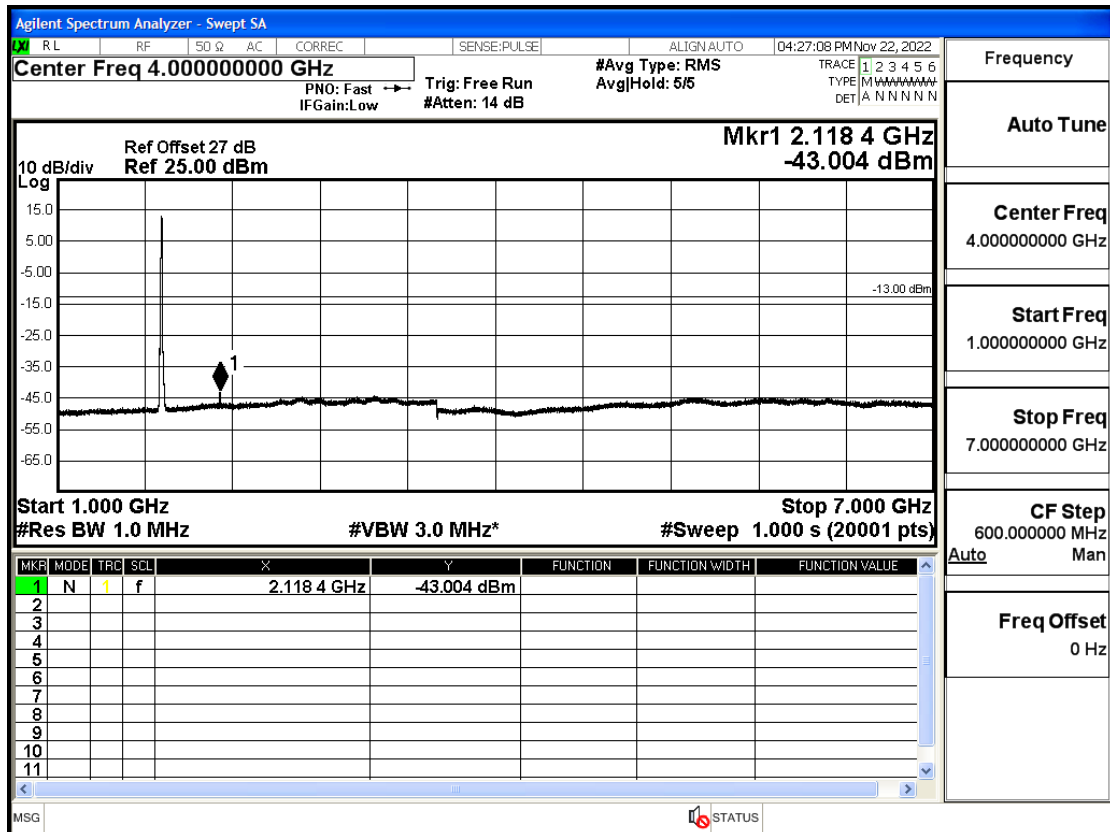
OB4-5-1752.5-QPSK-25#LOW@13.6GHz-20GHz@Pass



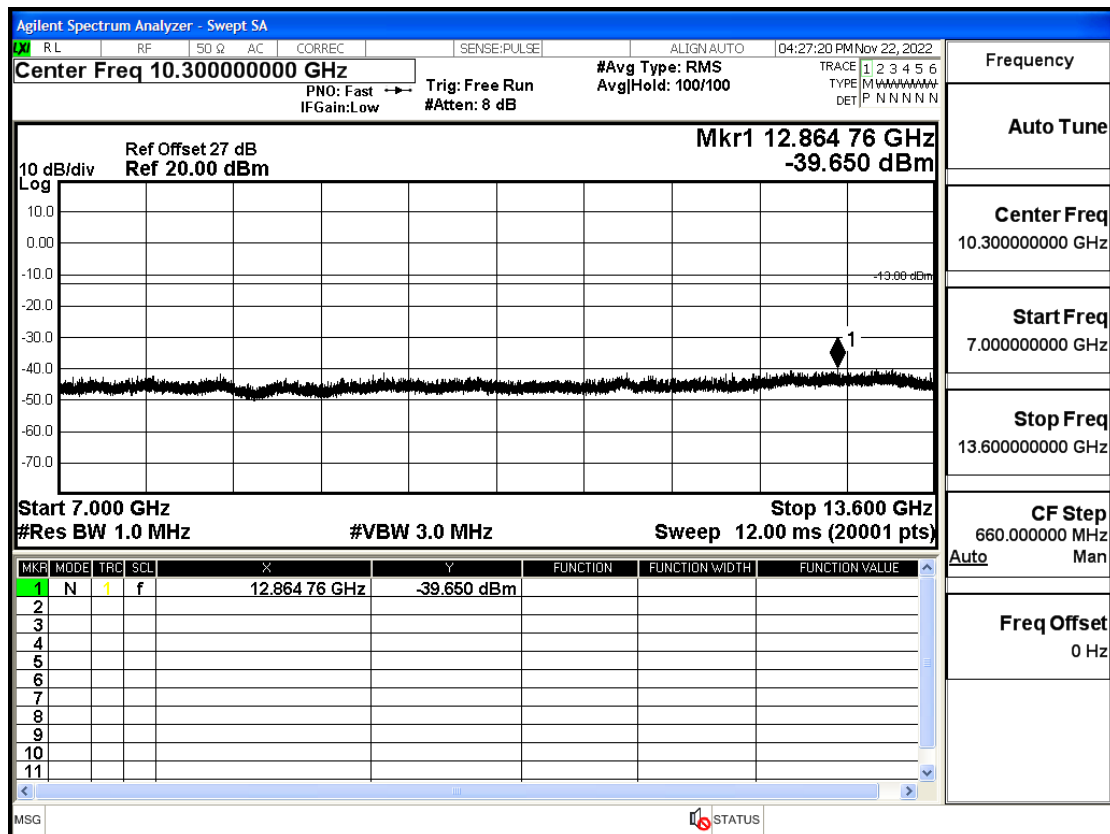
OB4-10-1715-QPSK-50#LOW@30mHz-1GHz@Pass



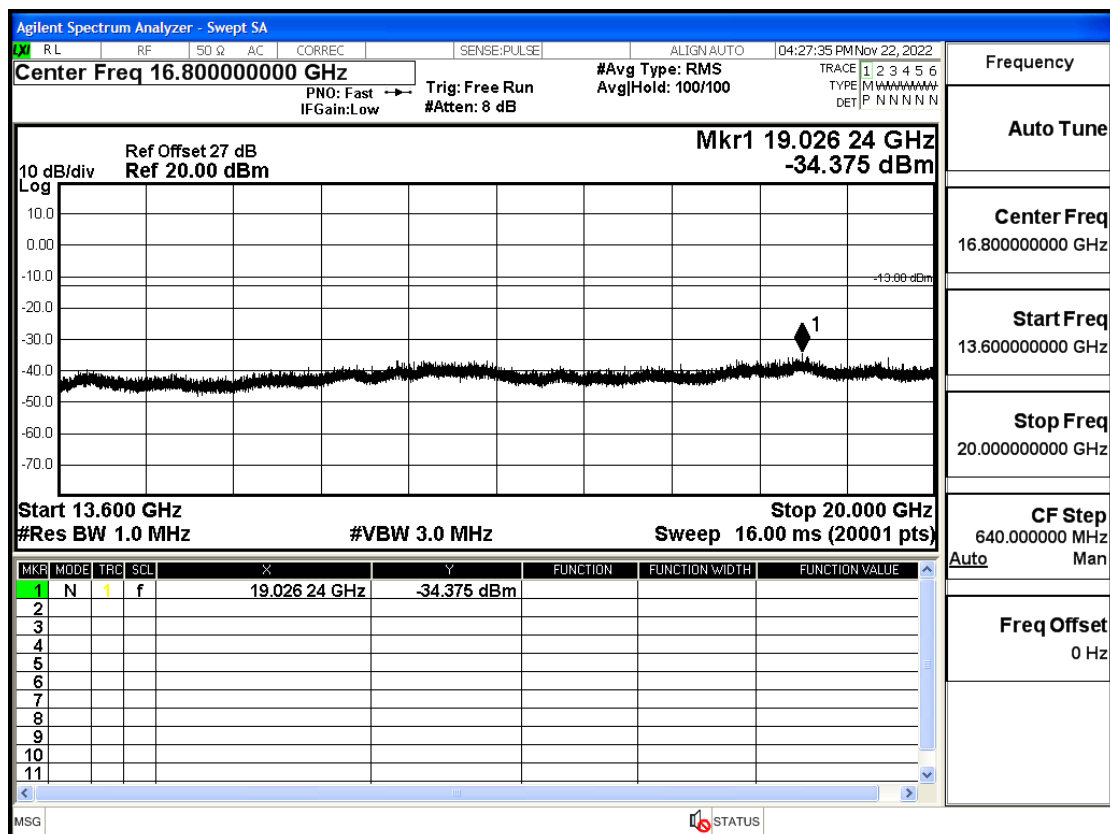
OB4-10-1715-QPSK-50#LOW@1GHz-7GHz@Pass



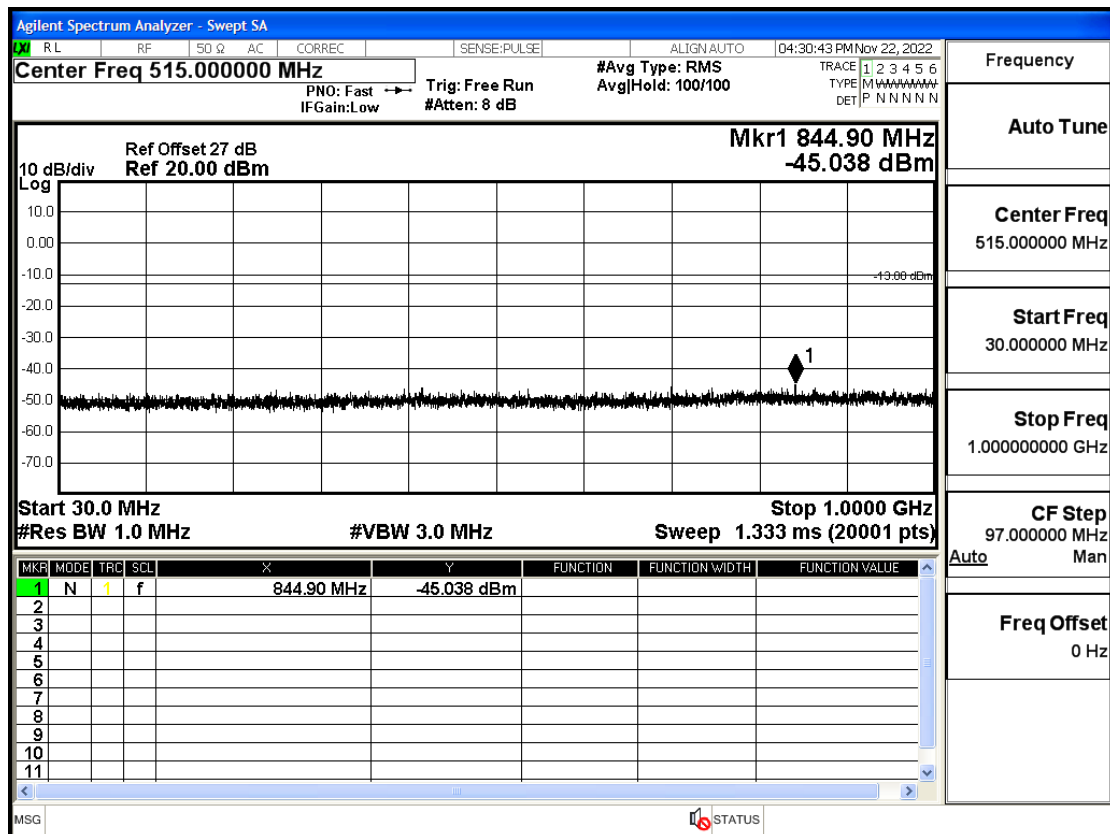
OB4-10-1715-QPSK-50#LOW@7GHz-13.6GHz@Pass



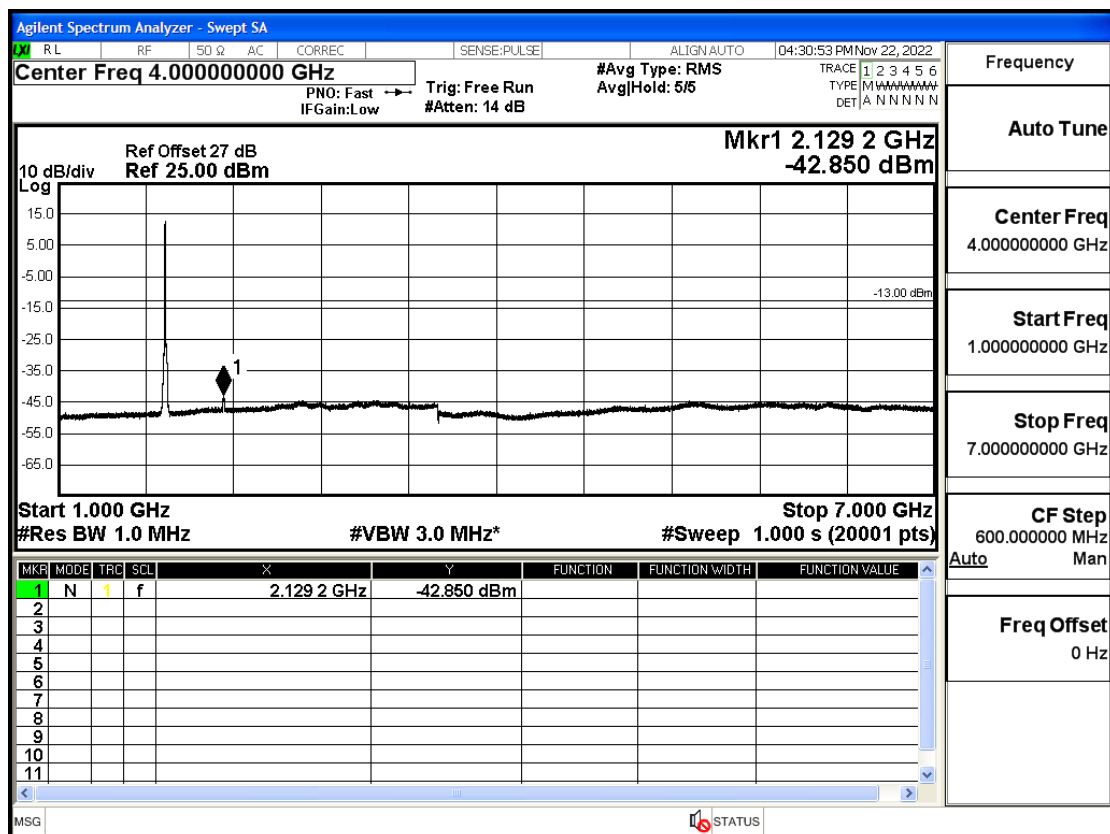
OB4-10-1715-QPSK-50#LOW@13.6GHz-20GHz@Pass



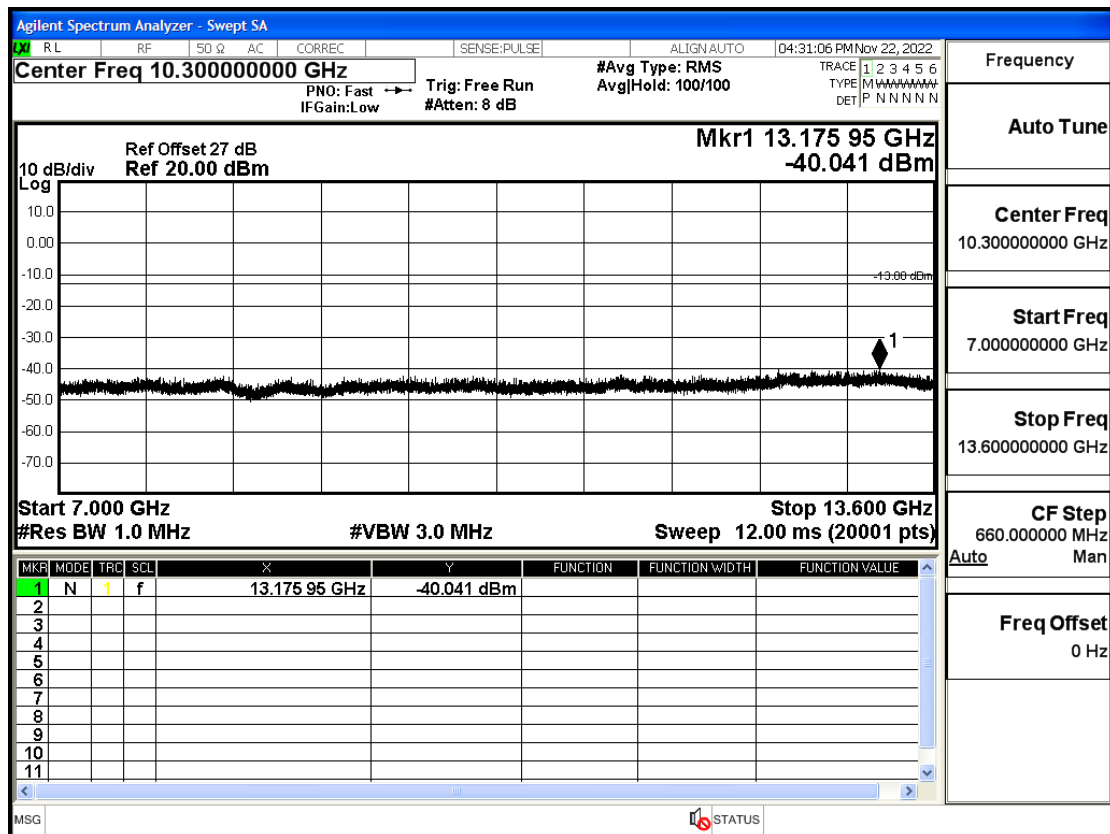
OB4-10-1732.5-QPSK-50#LOW@30mHz-1GHz@Pass



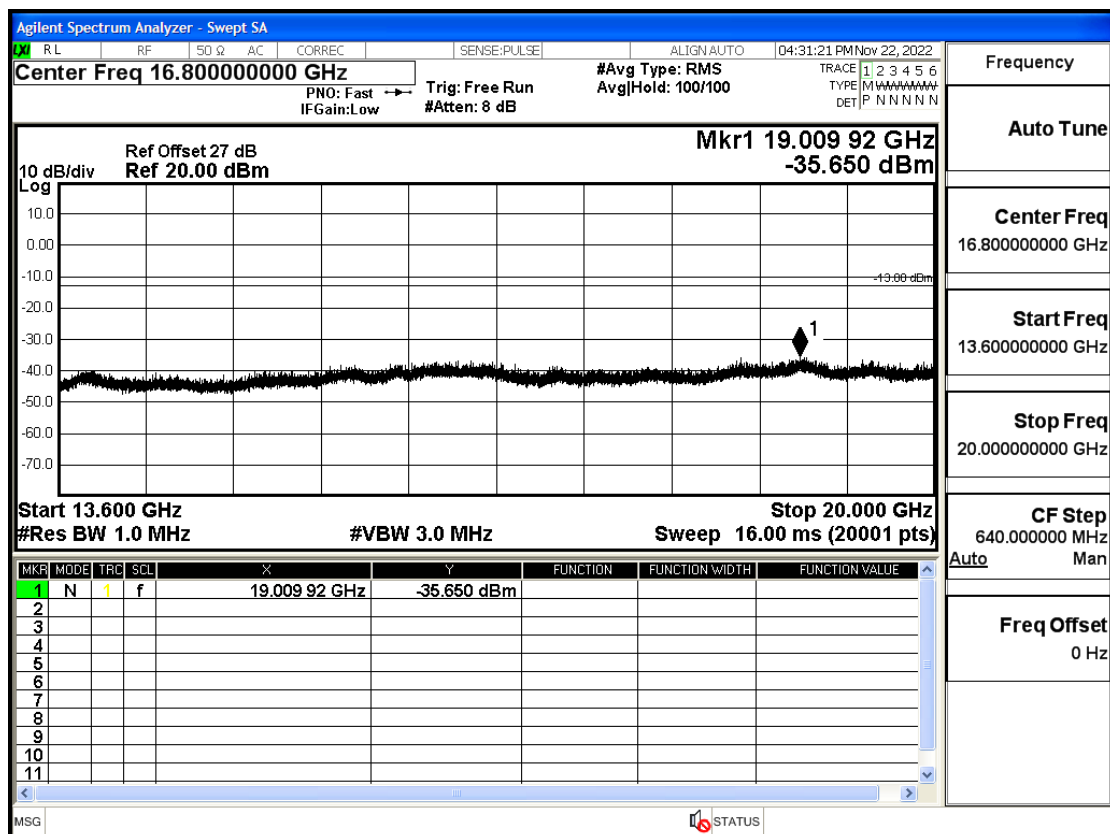
OB4-10-1732.5-QPSK-50#LOW@1GHz-7GHz@Pass



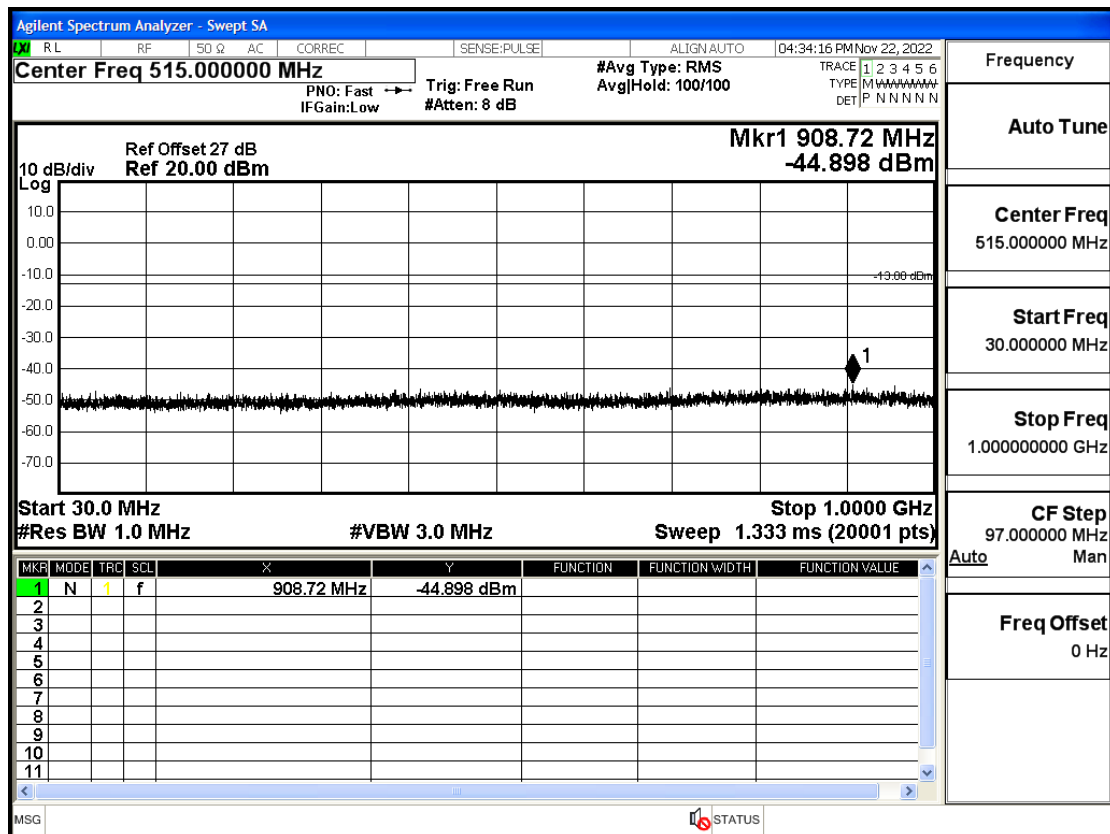
OB4-10-1732.5-QPSK-50#LOW@7GHz-13.6GHz@Pass



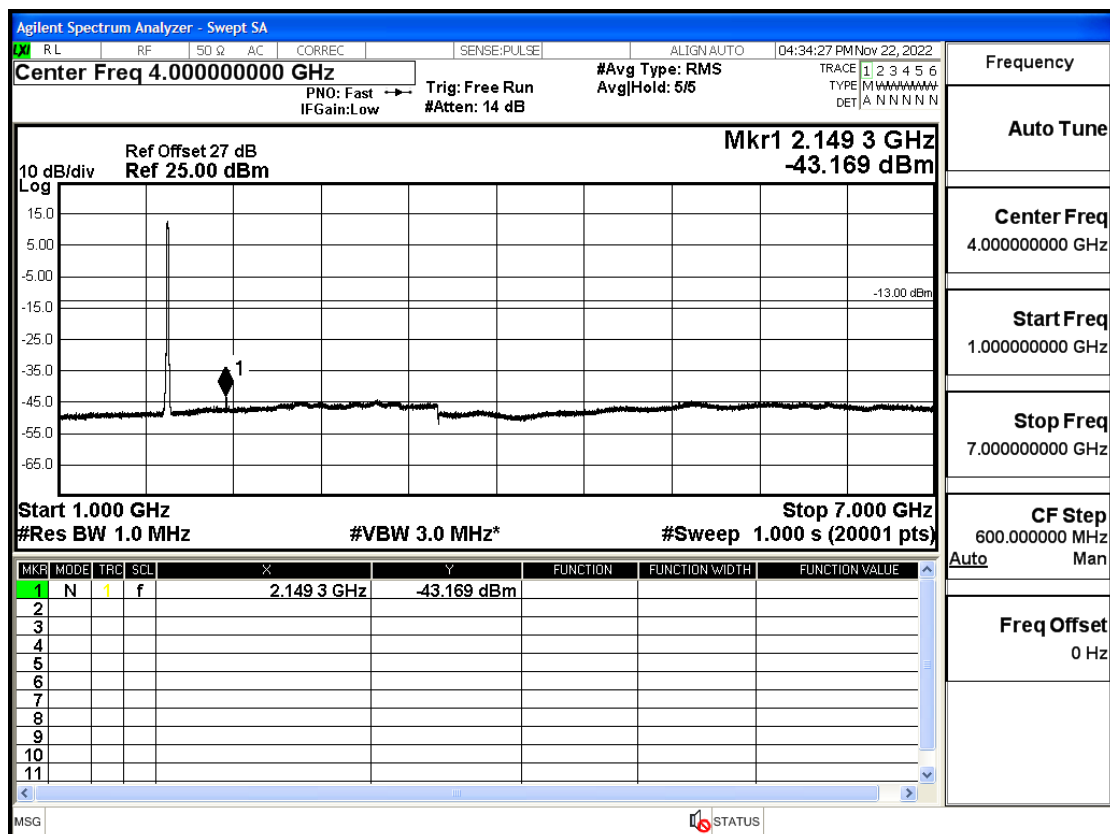
OB4-10-1732.5-QPSK-50#LOW@13.6GHz-20GHz@Pass



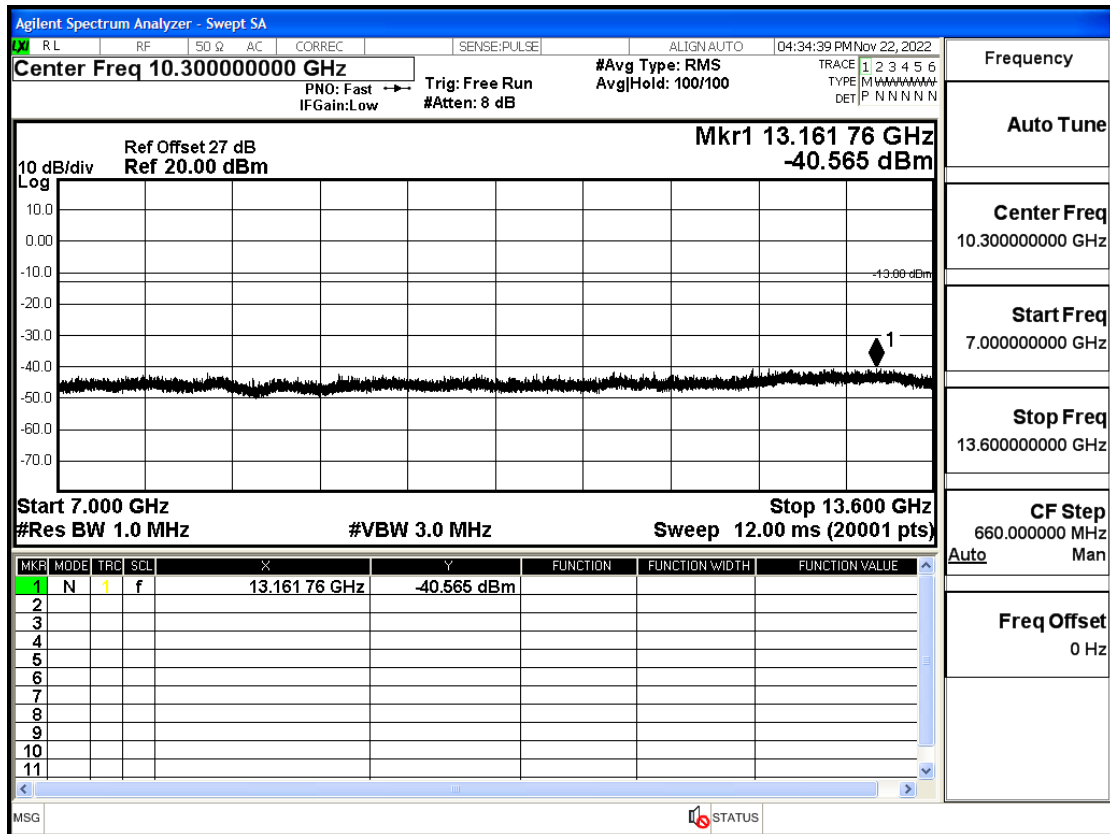
OB4-10-1750-QPSK-50#LOW@30mHz-1GHz@Pass



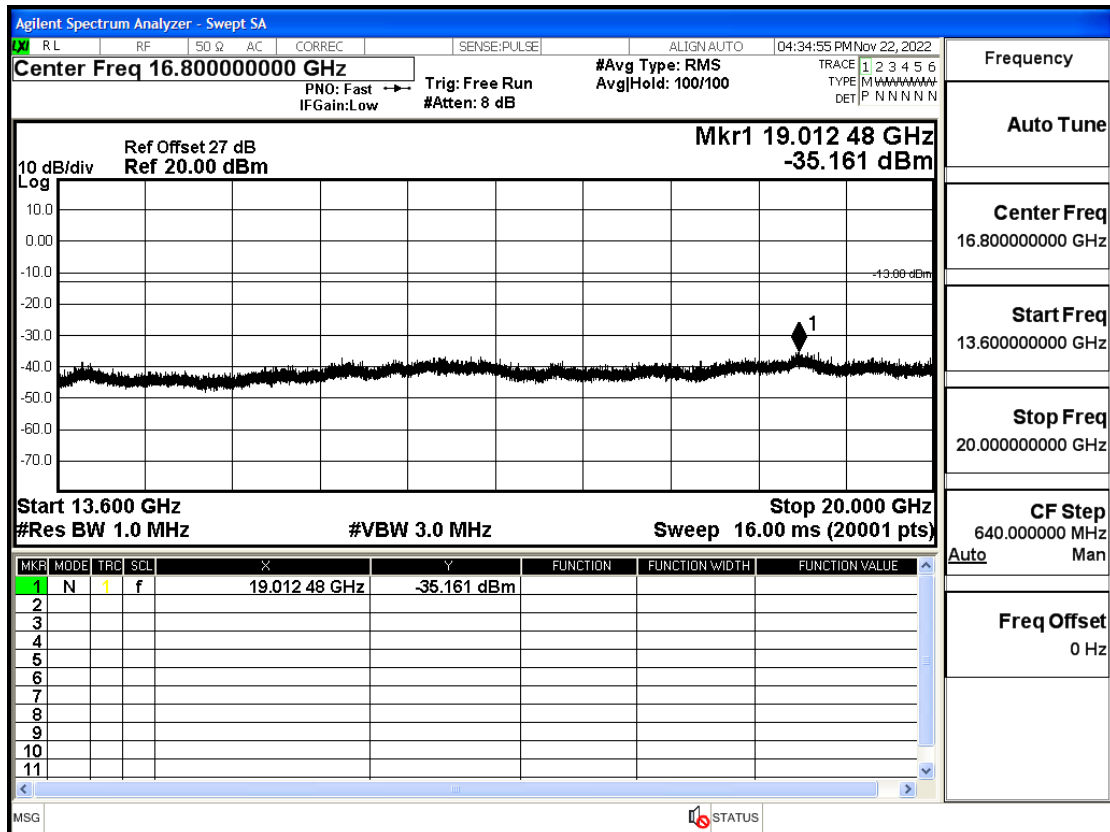
OB4-10-1750-QPSK-50#LOW@1GHz-7GHz@Pass



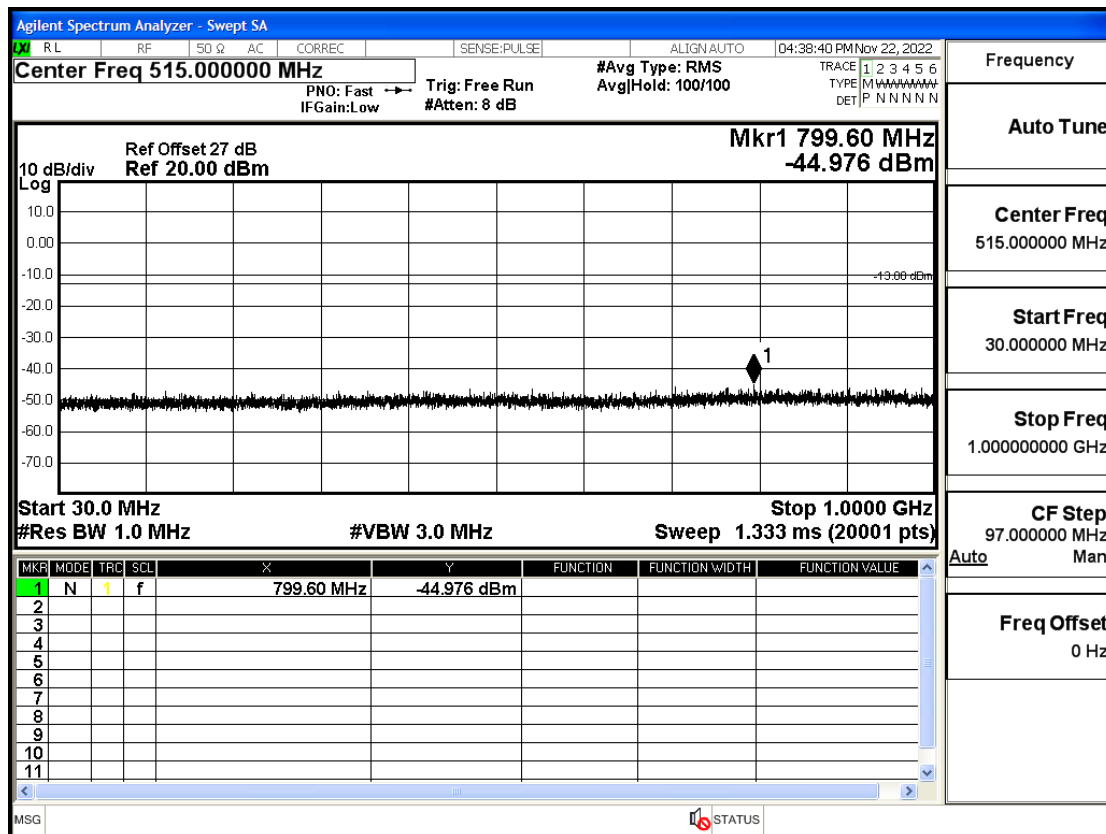
OB4-10-1750-QPSK-50#LOW@7GHz-13.6GHz@Pass



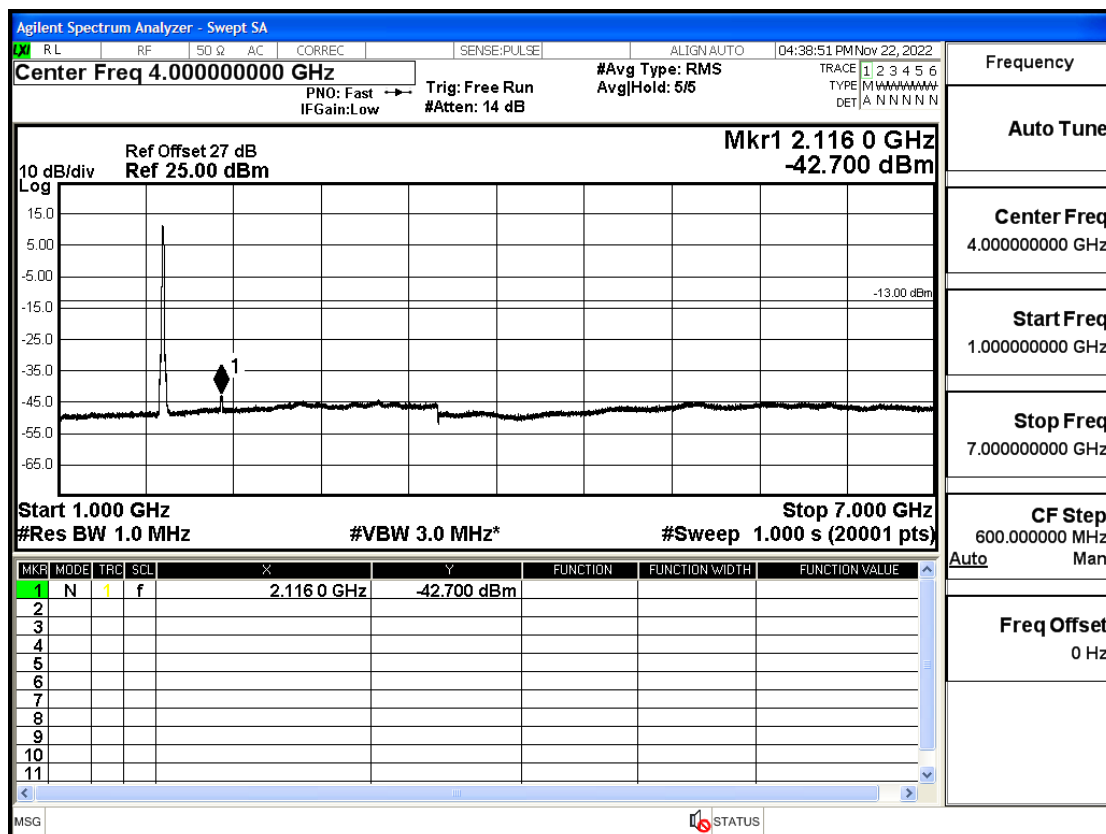
OB4-10-1750-QPSK-50#LOW@13.6GHz-20GHz@Pass



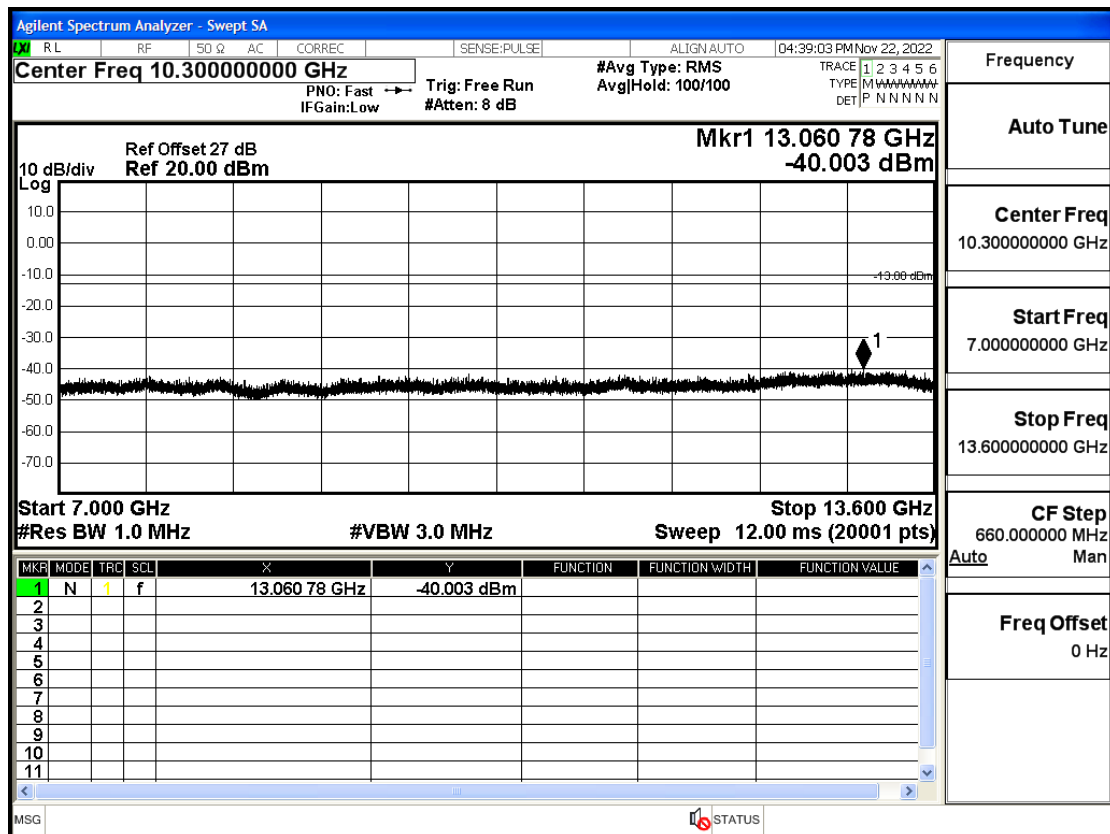
OB4-15-1717.5-QPSK-75#LOW@30mHz-1GHz@Pass



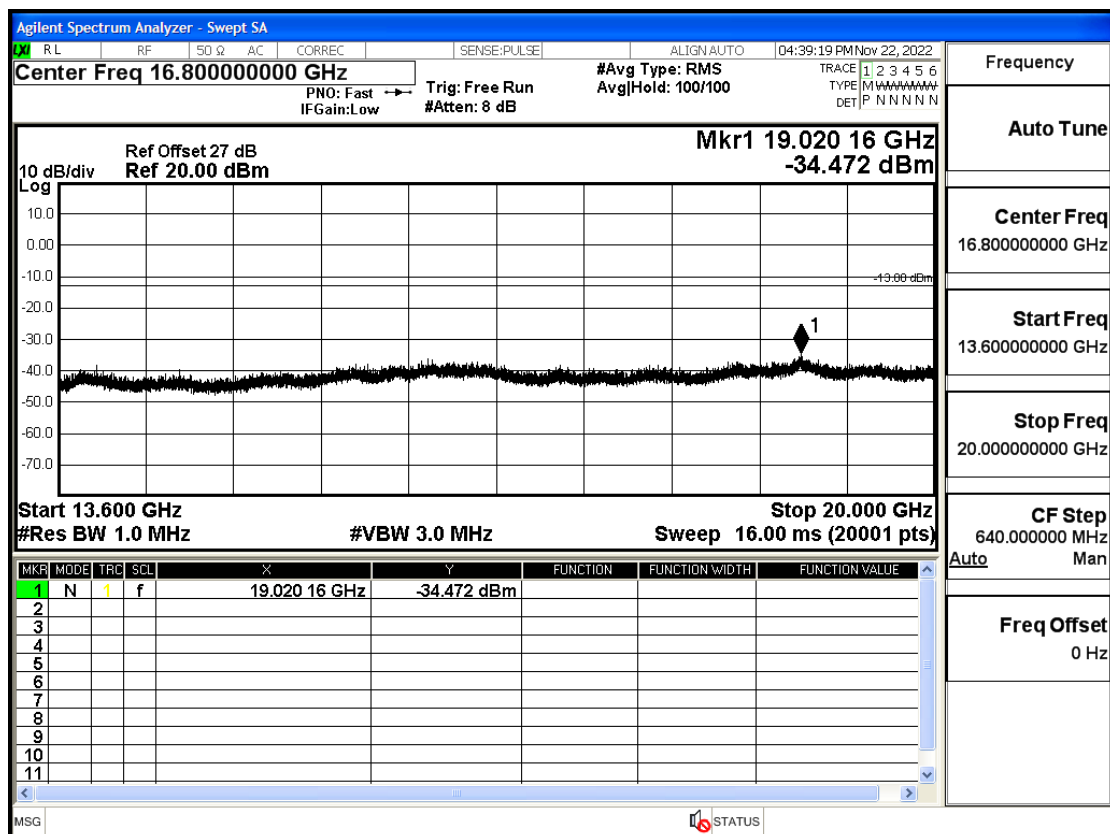
OB4-15-1717.5-QPSK-75#LOW@1GHz-7GHz@Pass



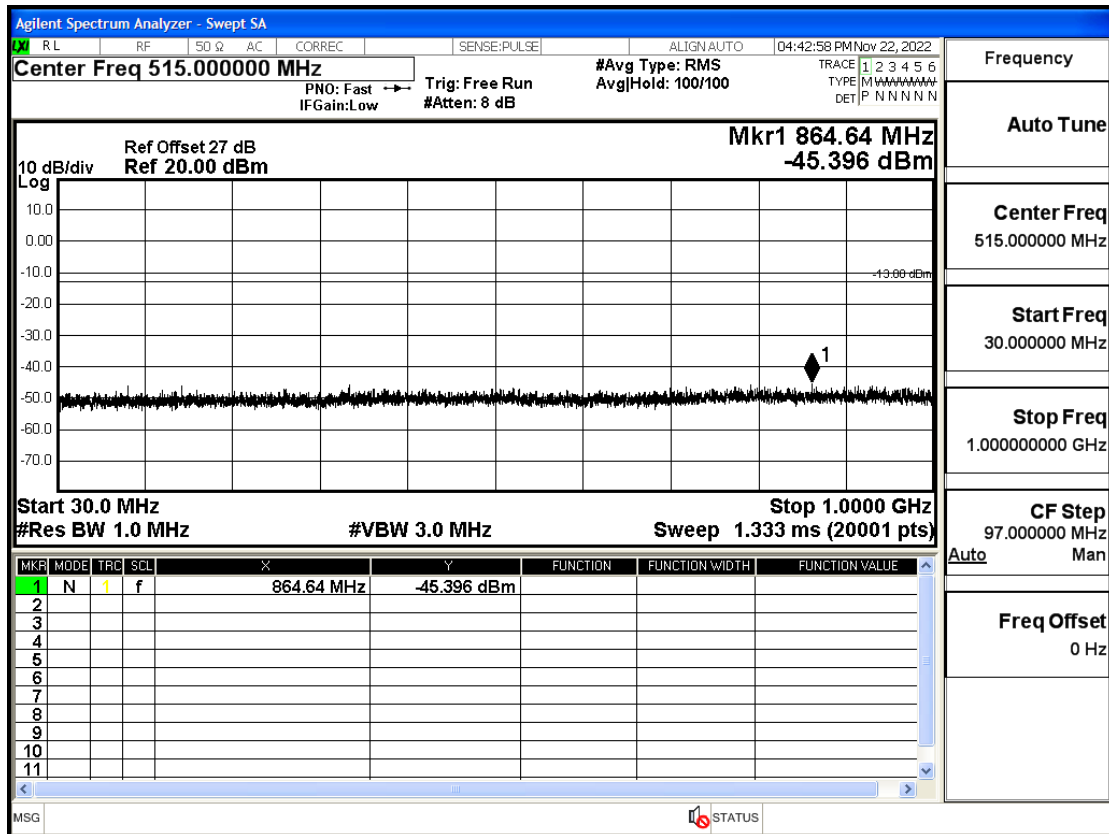
OB4-15-1717.5-QPSK-75#LOW@7GHz-13.6GHz@Pass



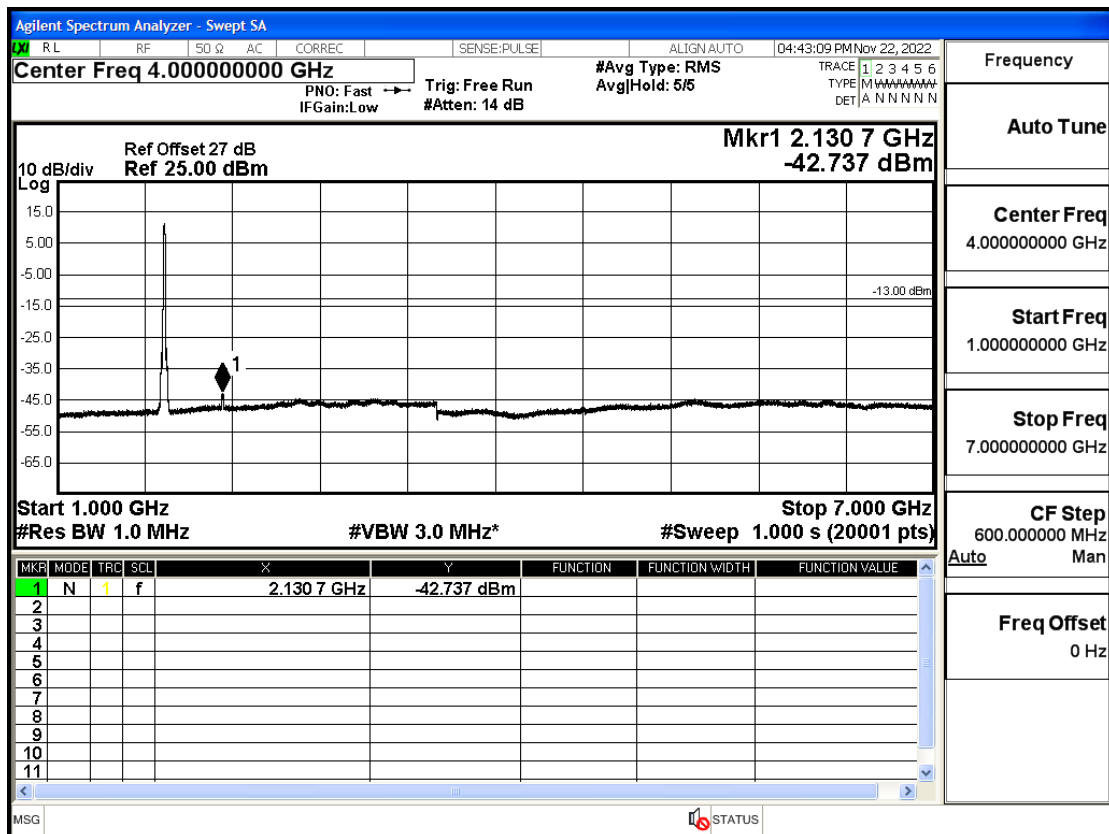
OB4-15-1717.5-QPSK-75#LOW@13.6GHz-20GHz@Pass



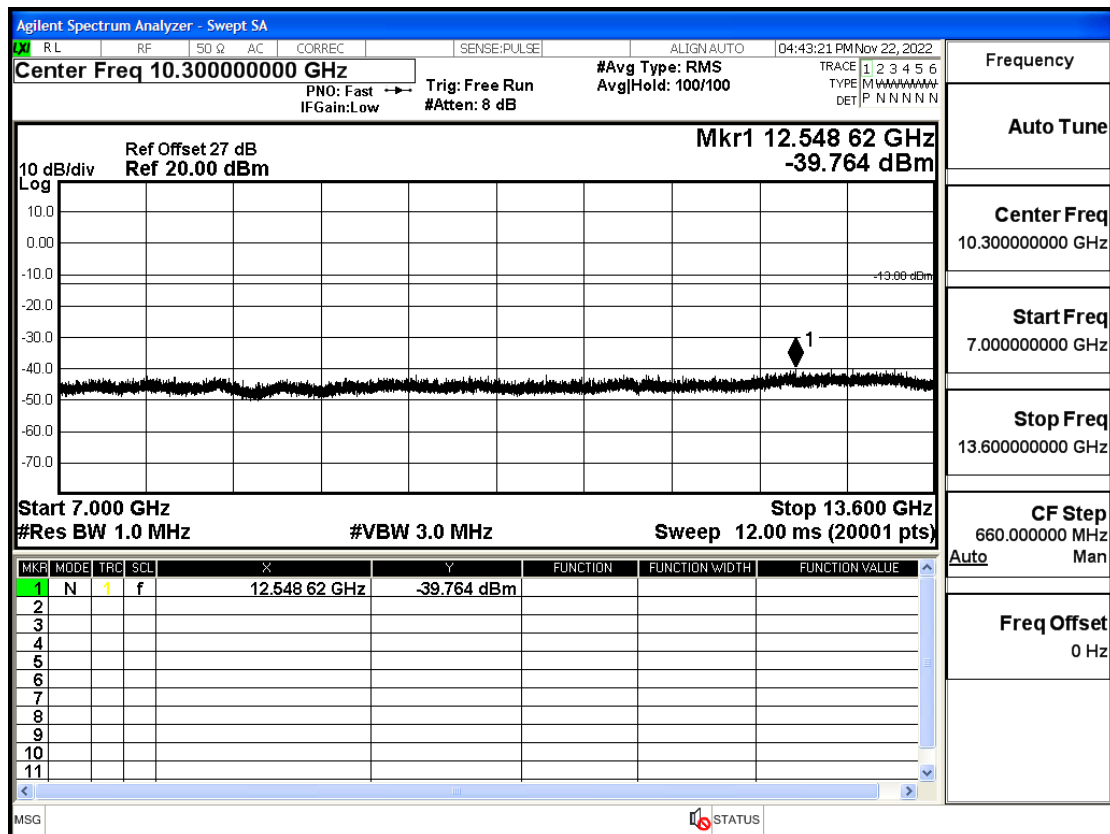
OB4-15-1732.5-QPSK-75#LOW@30mHz-1GHz@Pass



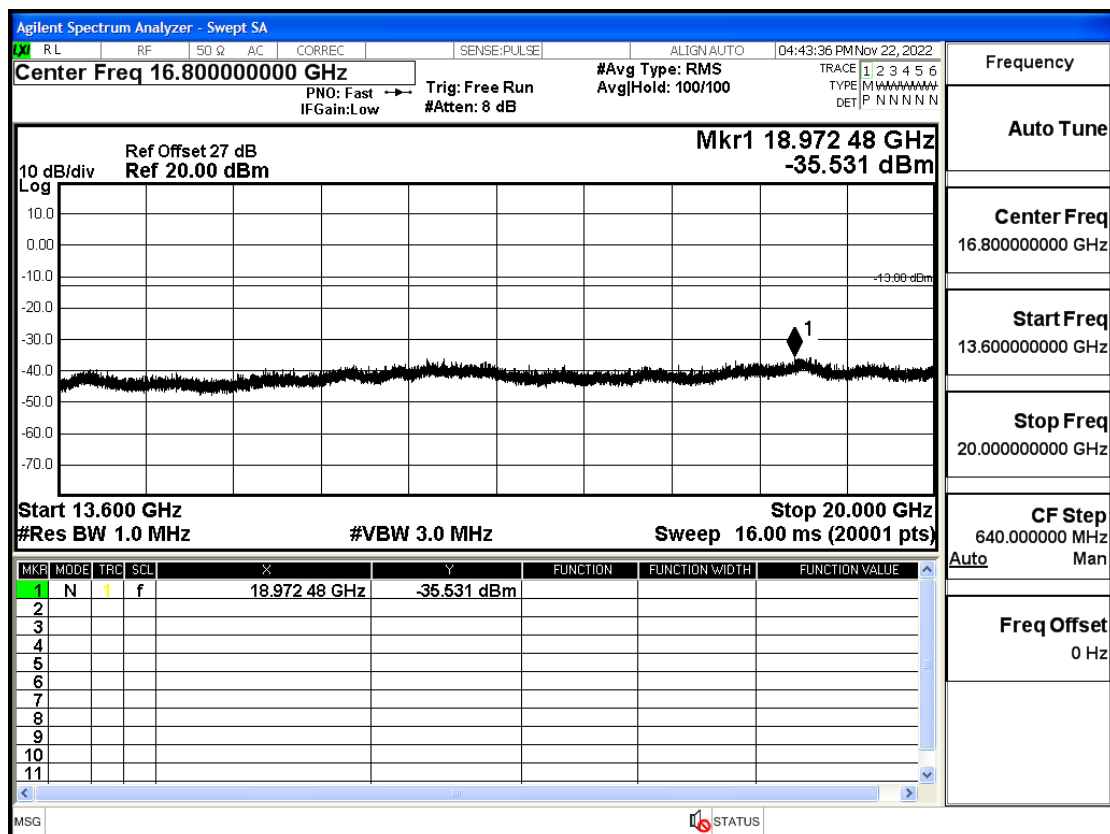
OB4-15-1732.5-QPSK-75#LOW@1GHz-7GHz@Pass



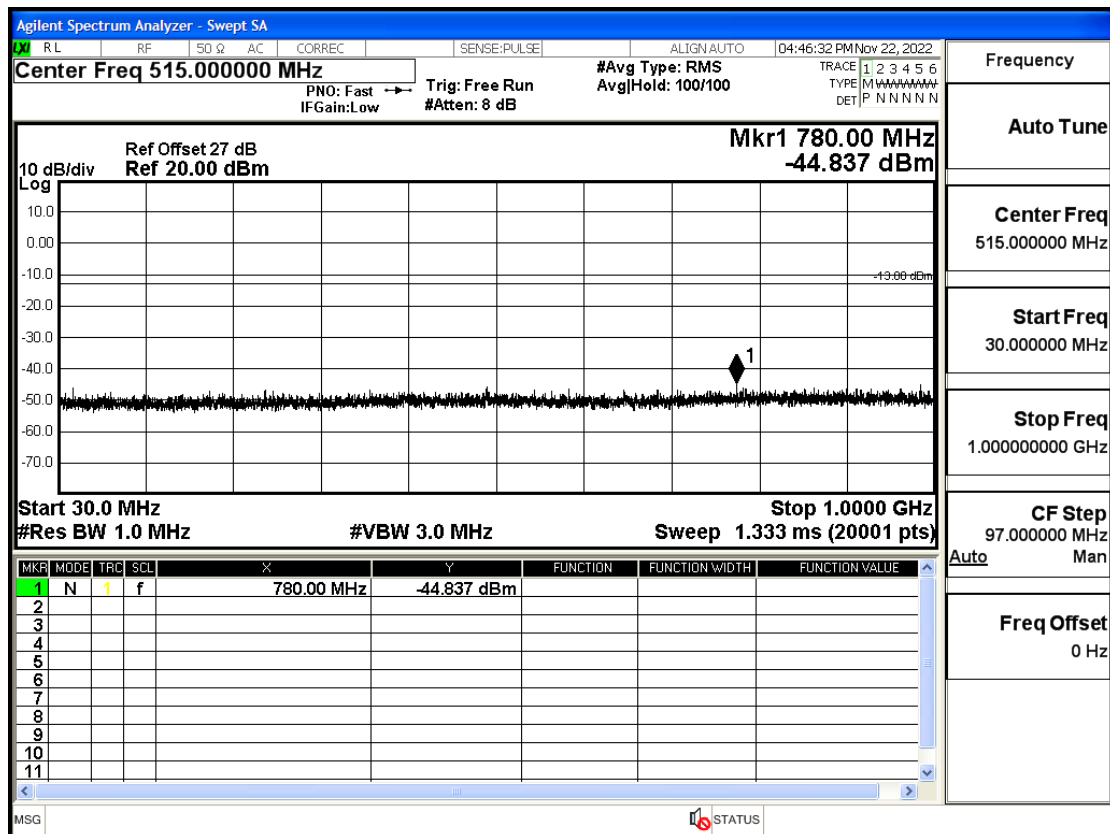
OB4-15-1732.5-QPSK-75#LOW@7GHz-13.6GHz@Pass



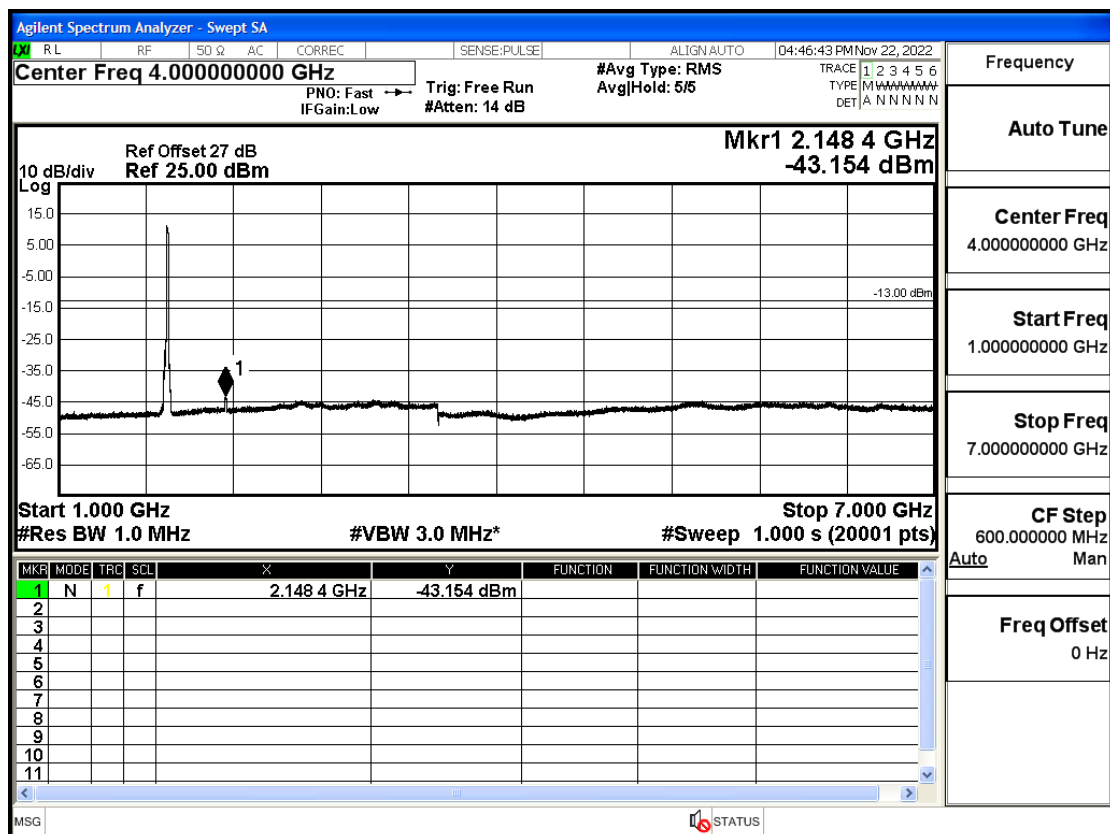
OB4-15-1732.5-QPSK-75#LOW@13.6GHz-20GHz@Pass



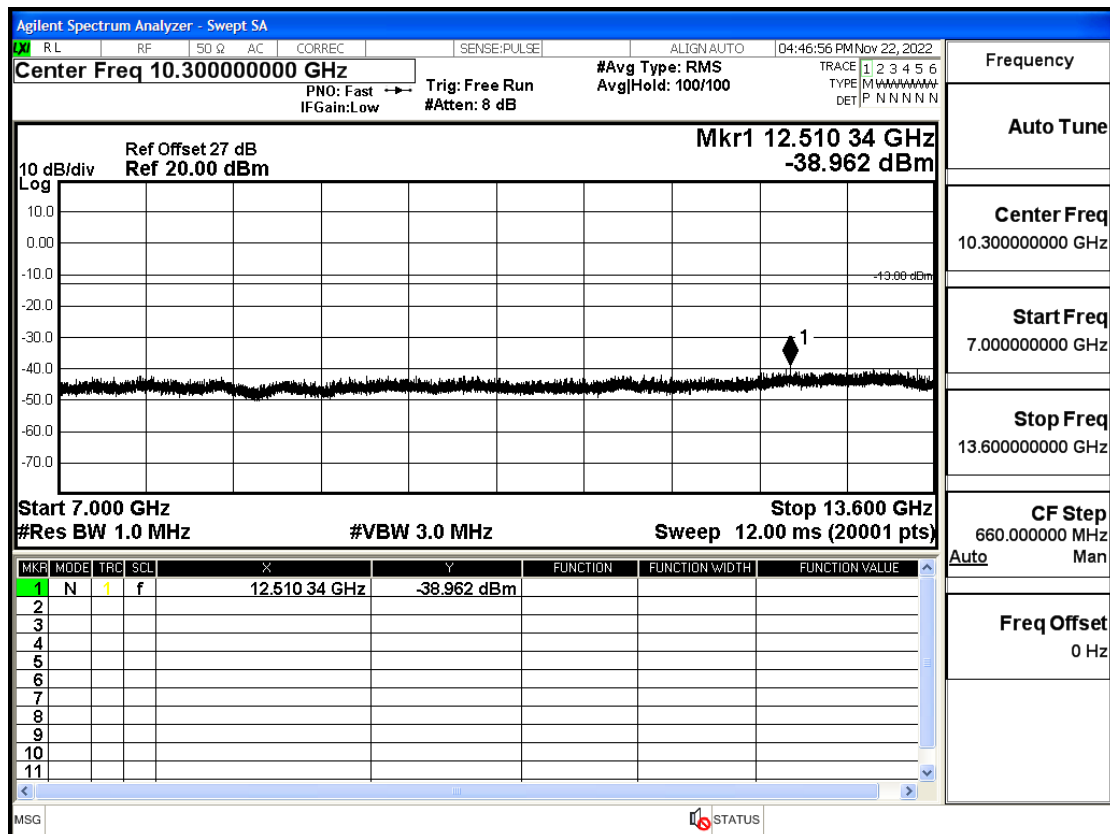
OB4-15-1747.5-QPSK-75#LOW@30mHz-1GHz@Pass



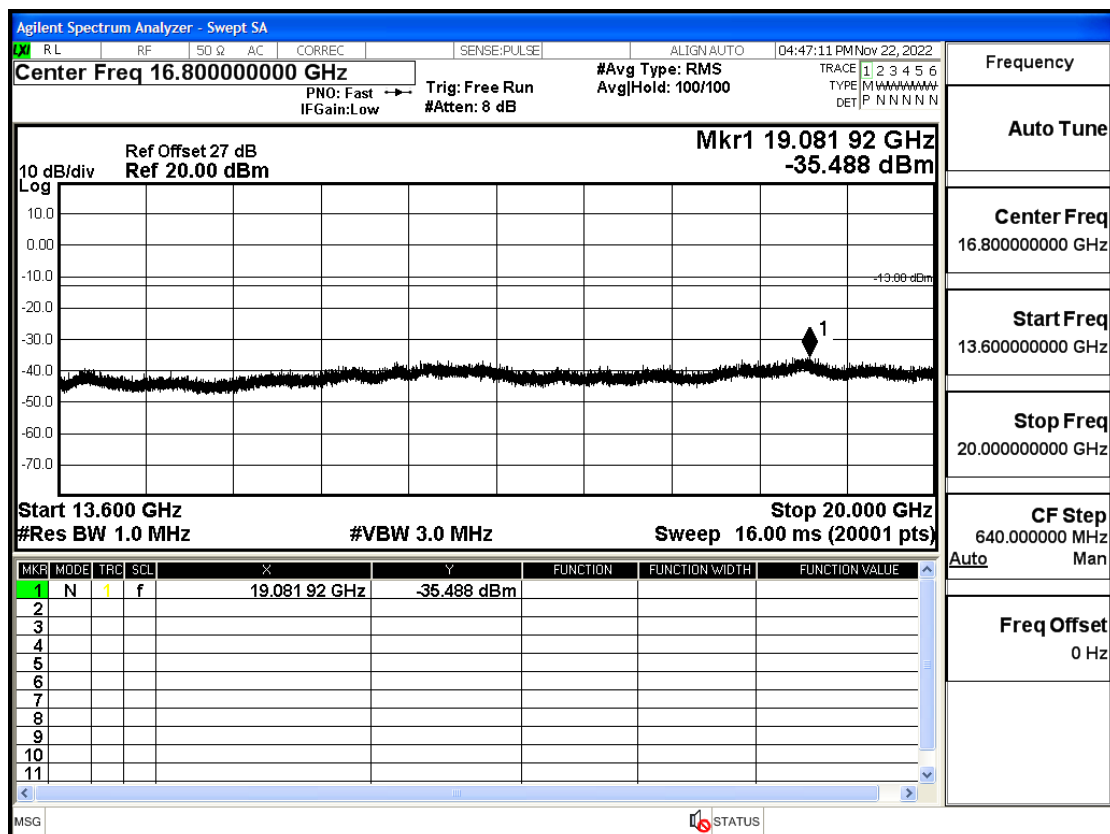
OB4-15-1747.5-QPSK-75#LOW@1GHz-7GHz@Pass



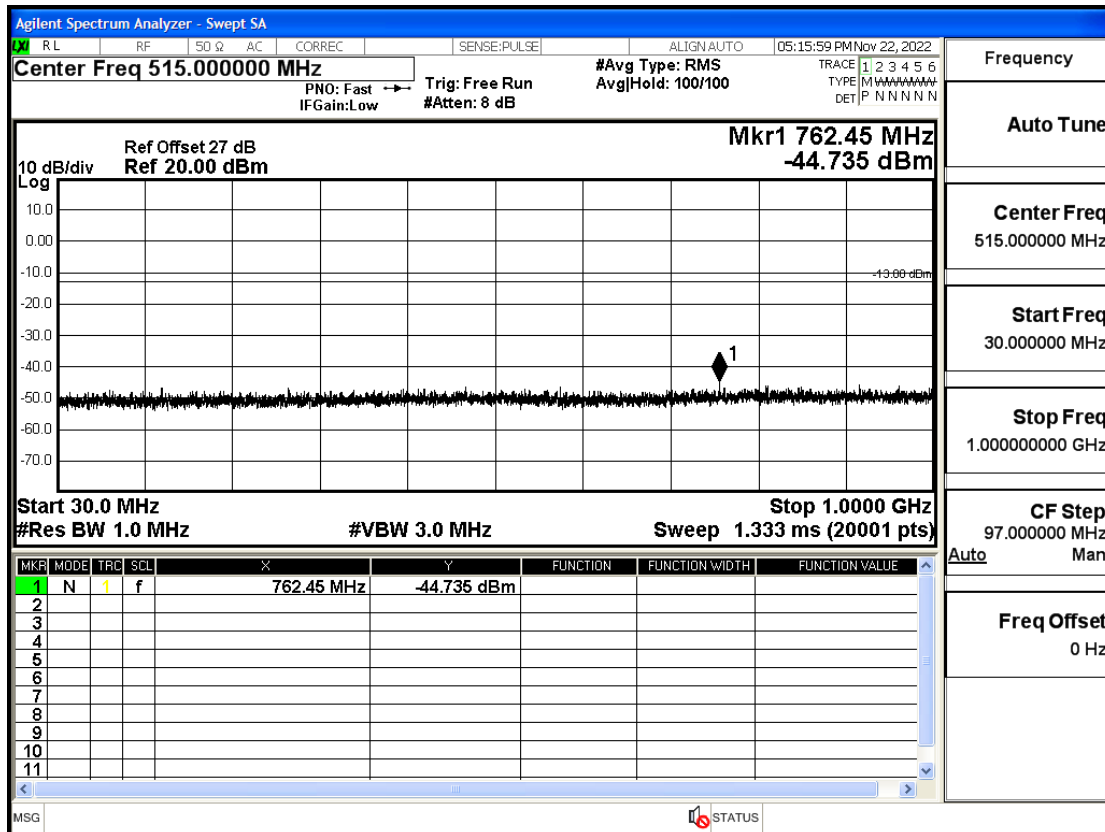
OB4-15-1747.5-QPSK-75#LOW@7GHz-13.6GHz@Pass



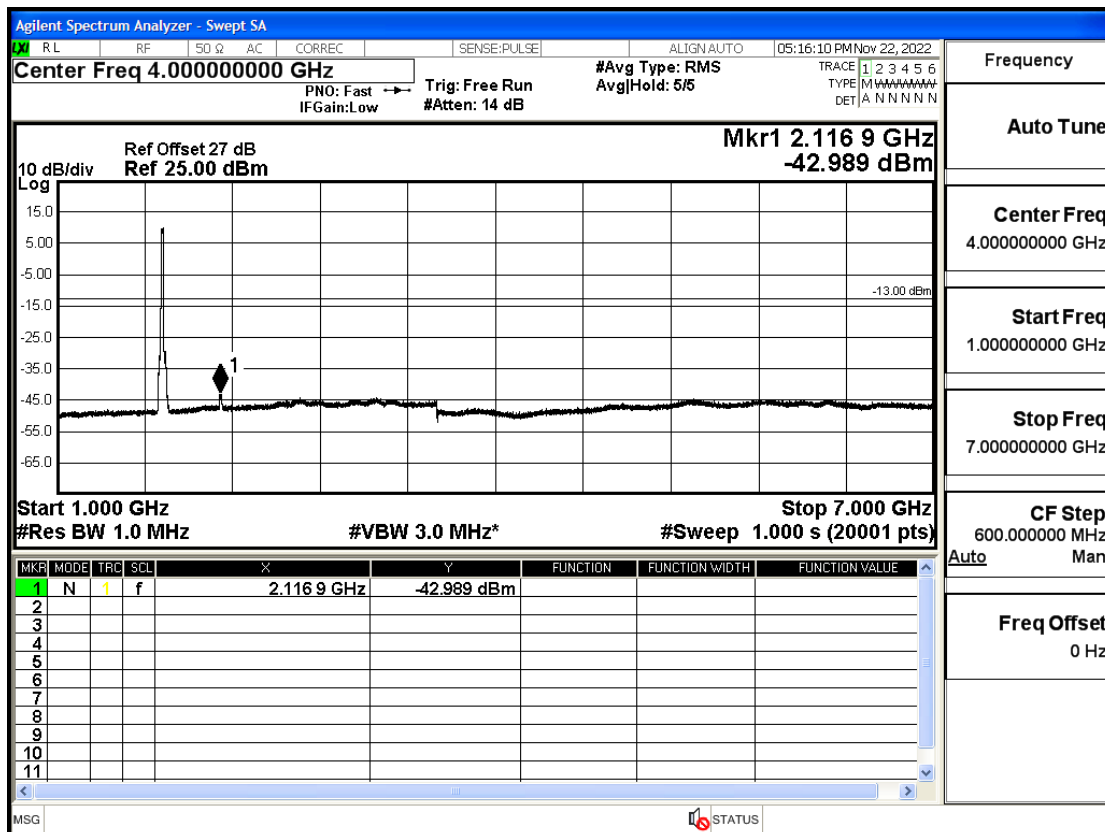
OB4-15-1747.5-QPSK-75#LOW@13.6GHz-20GHz@Pass



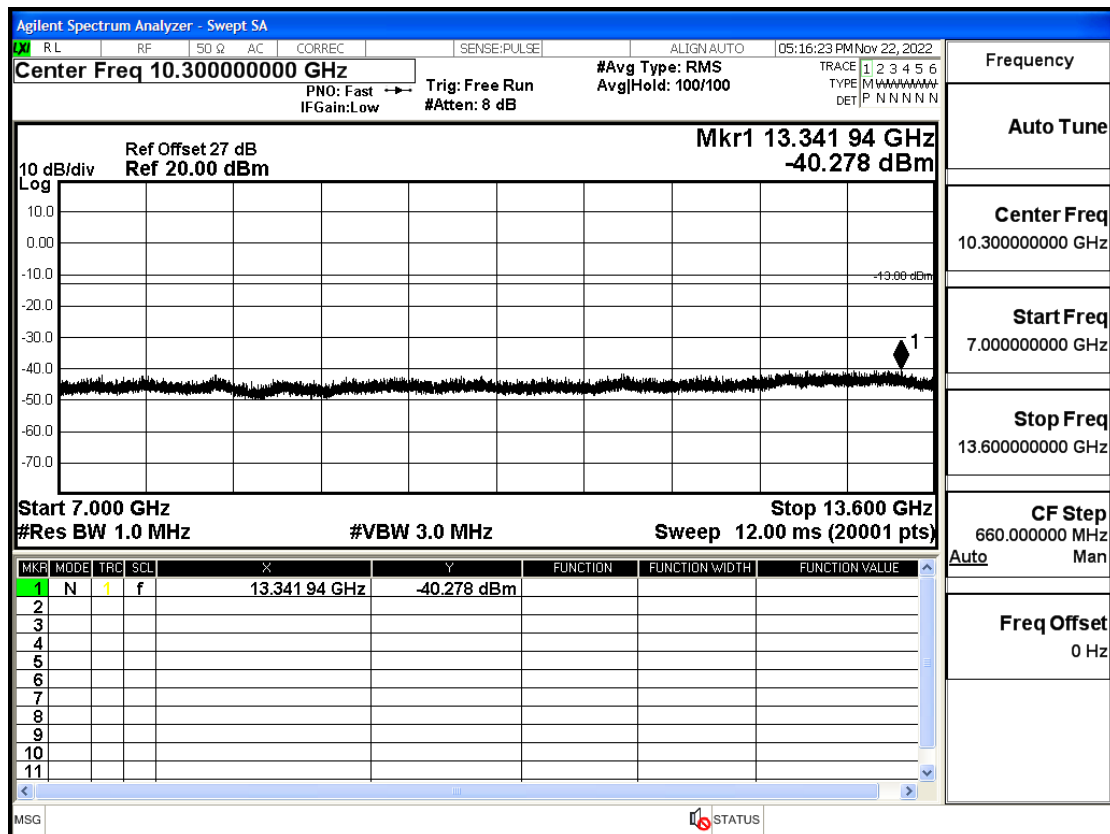
OB4-20-1720-QPSK-100#LOW@30mHz-1GHz@Pass



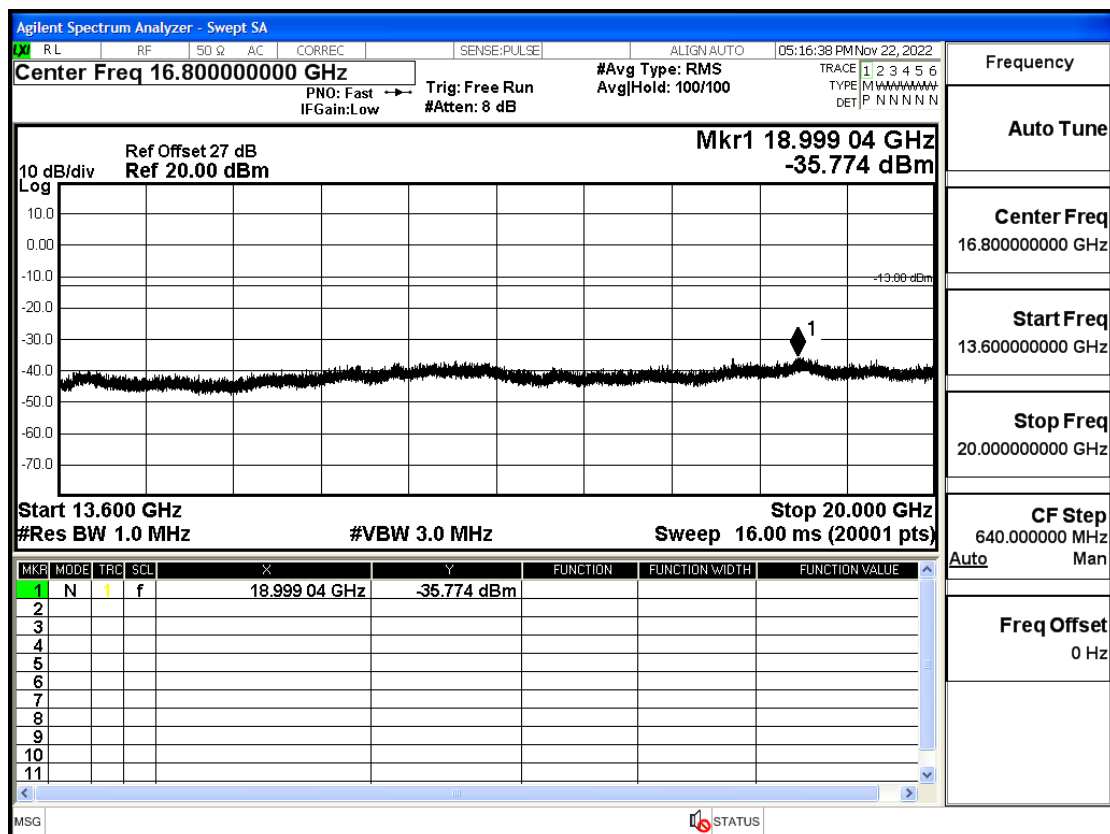
OB4-20-1720-QPSK-100#LOW@1GHz-7GHz@Pass



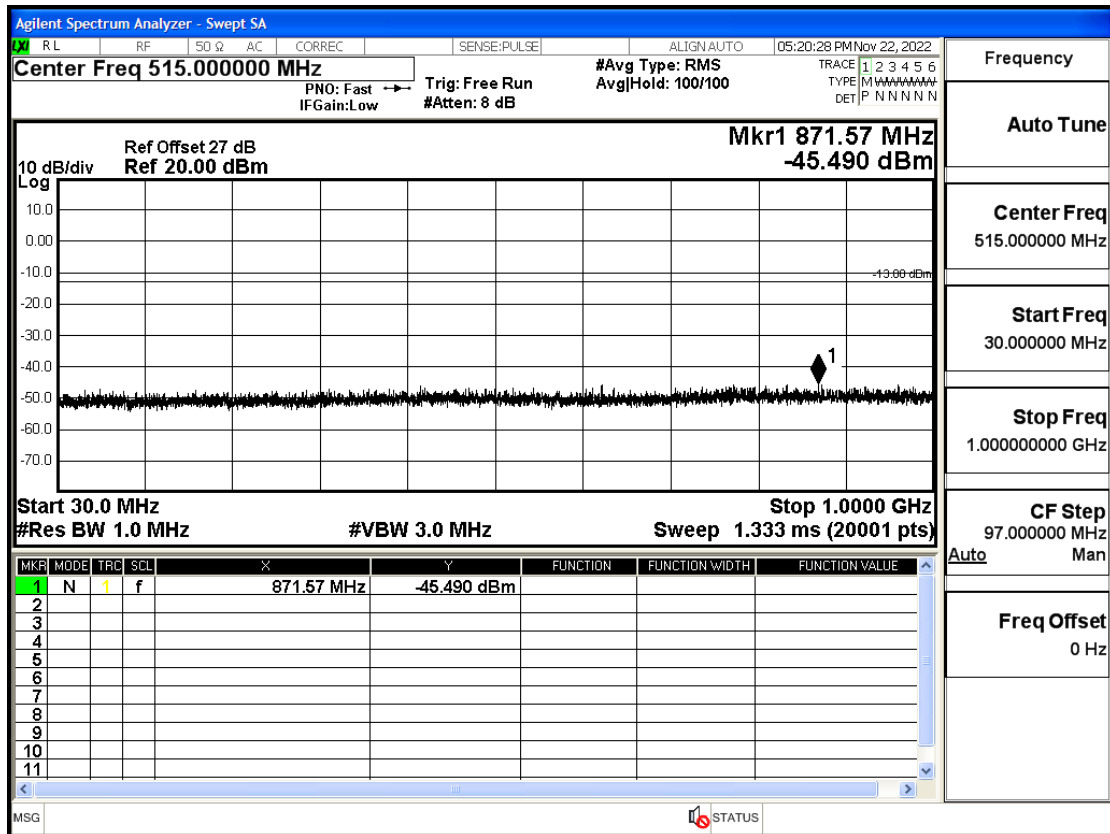
OB4-20-1720-QPSK-100#LOW@7GHz-13.6GHz@Pass



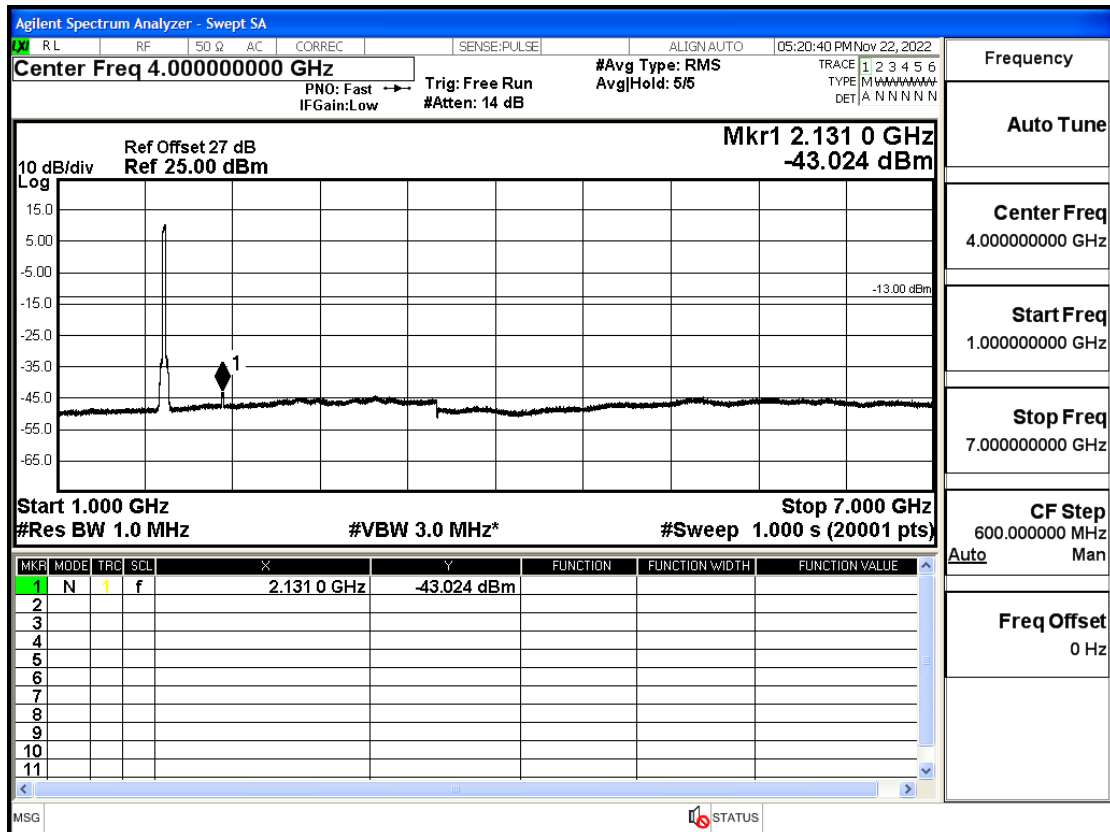
OB4-20-1720-QPSK-100#LOW@13.6GHz-20GHz@Pass



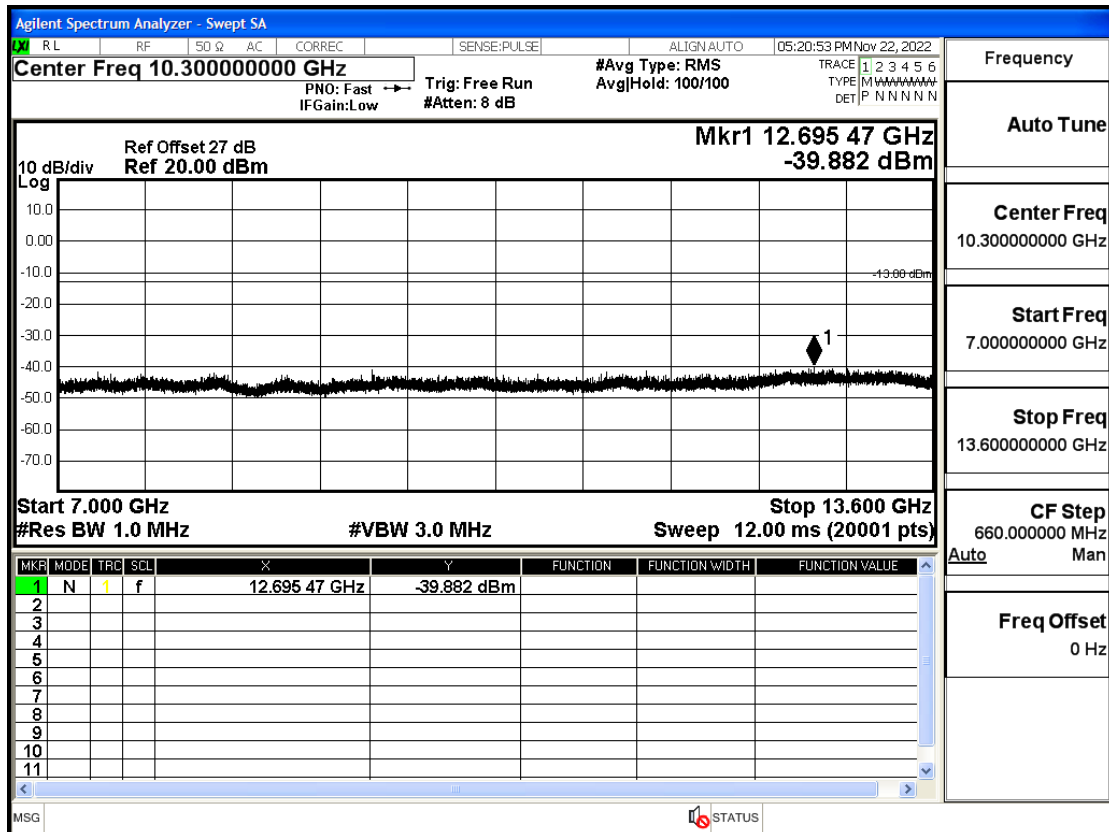
OB4-20-1732.5-QPSK-100#LOW@30MHz-1GHz@Pass



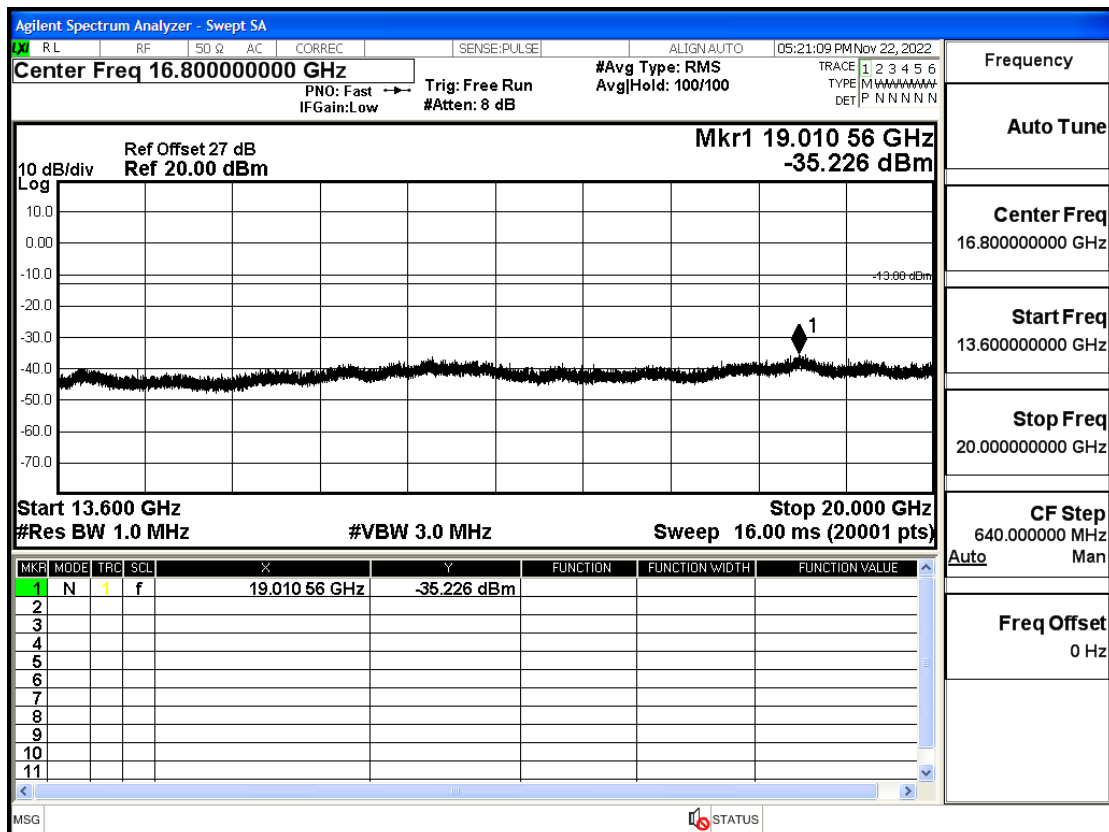
OB4-20-1732.5-QPSK-100#LOW@1GHz-7GHz@Pass



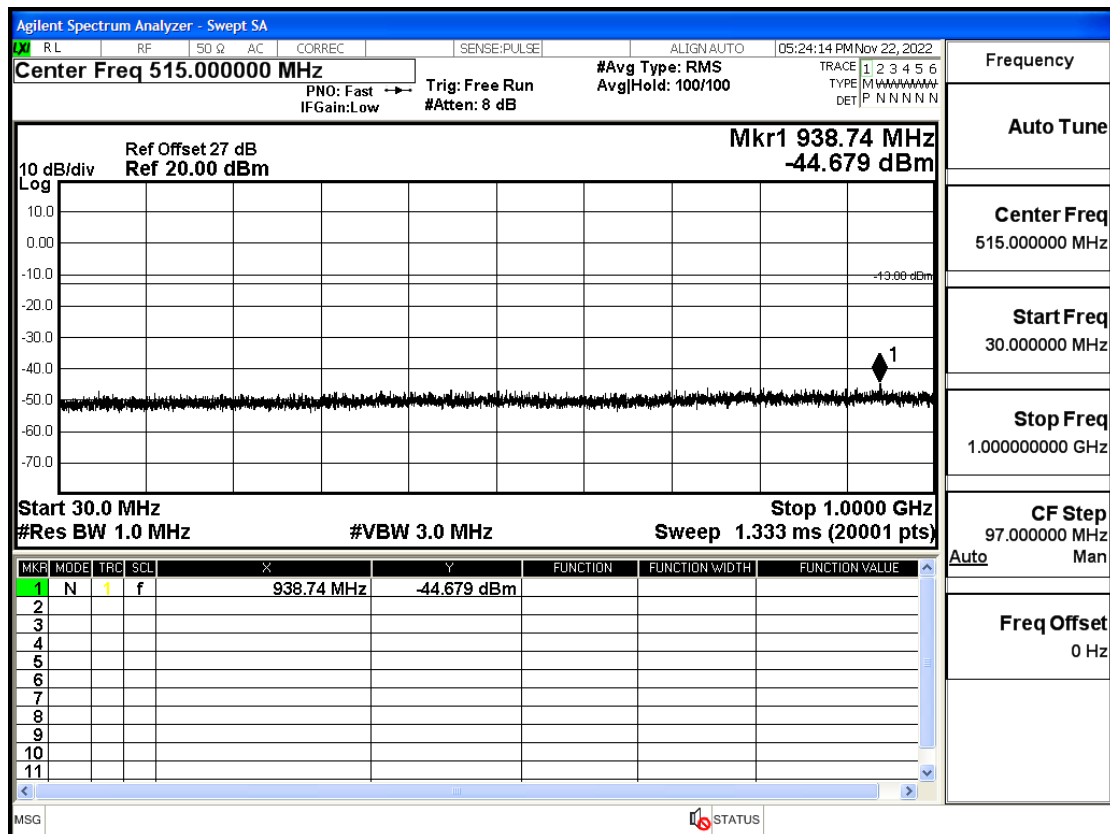
OB4-20-1732.5-QPSK-100#LOW@7GHz-13.6GHz@Pass



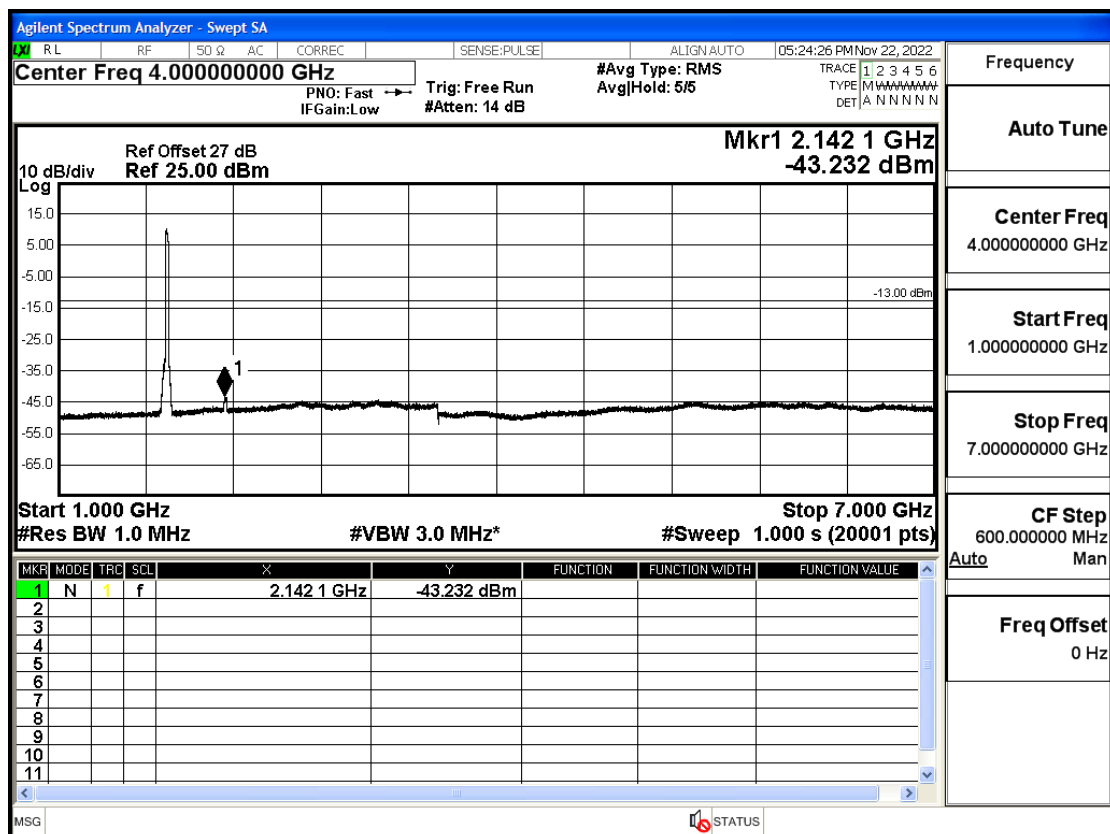
OB4-20-1732.5-QPSK-100#LOW@13.6GHz-20GHz@Pass



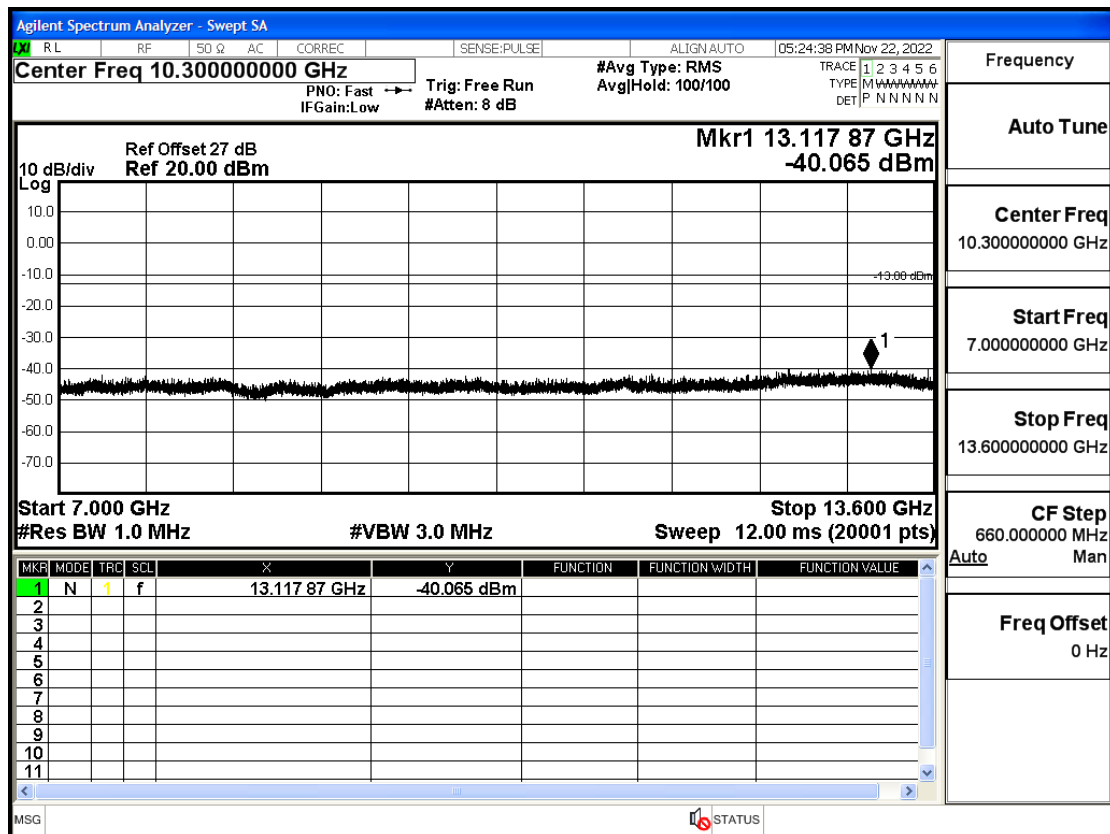
OB4-20-1745-QPSK-100#LOW@30mHz-1GHz@Pass



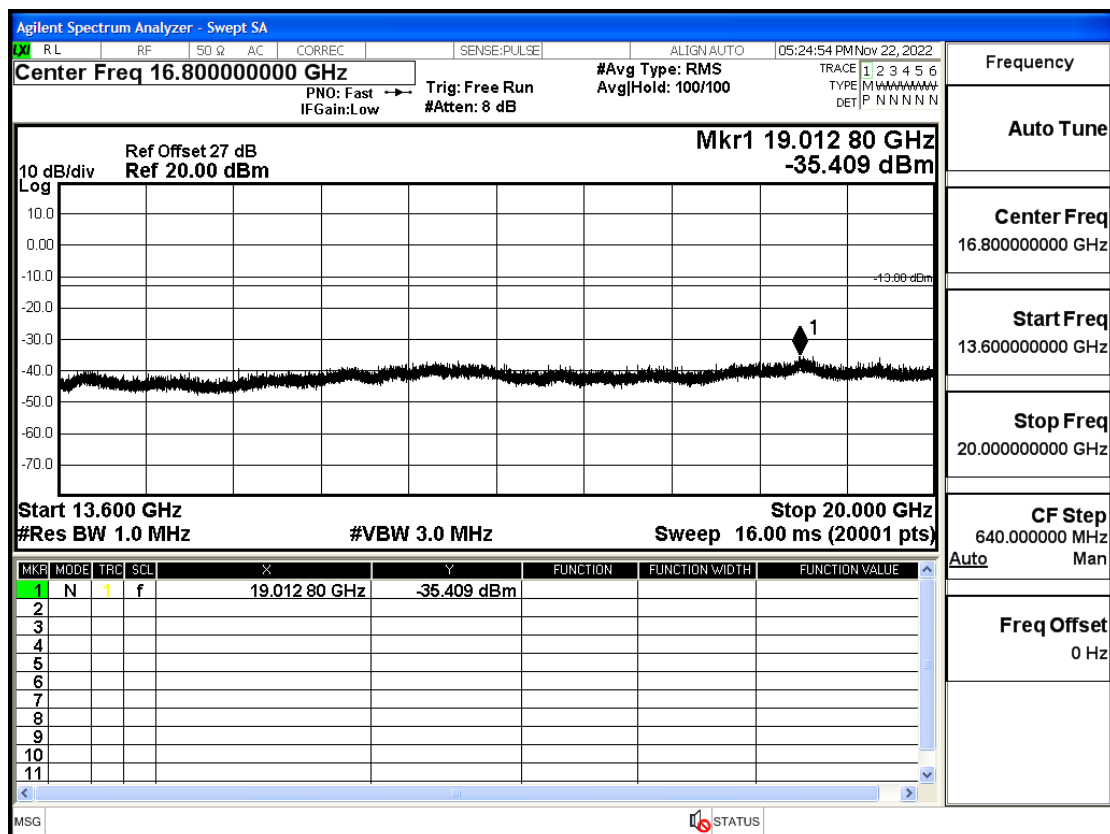
OB4-20-1745-QPSK-100#LOW@1GHz-7GHz@Pass



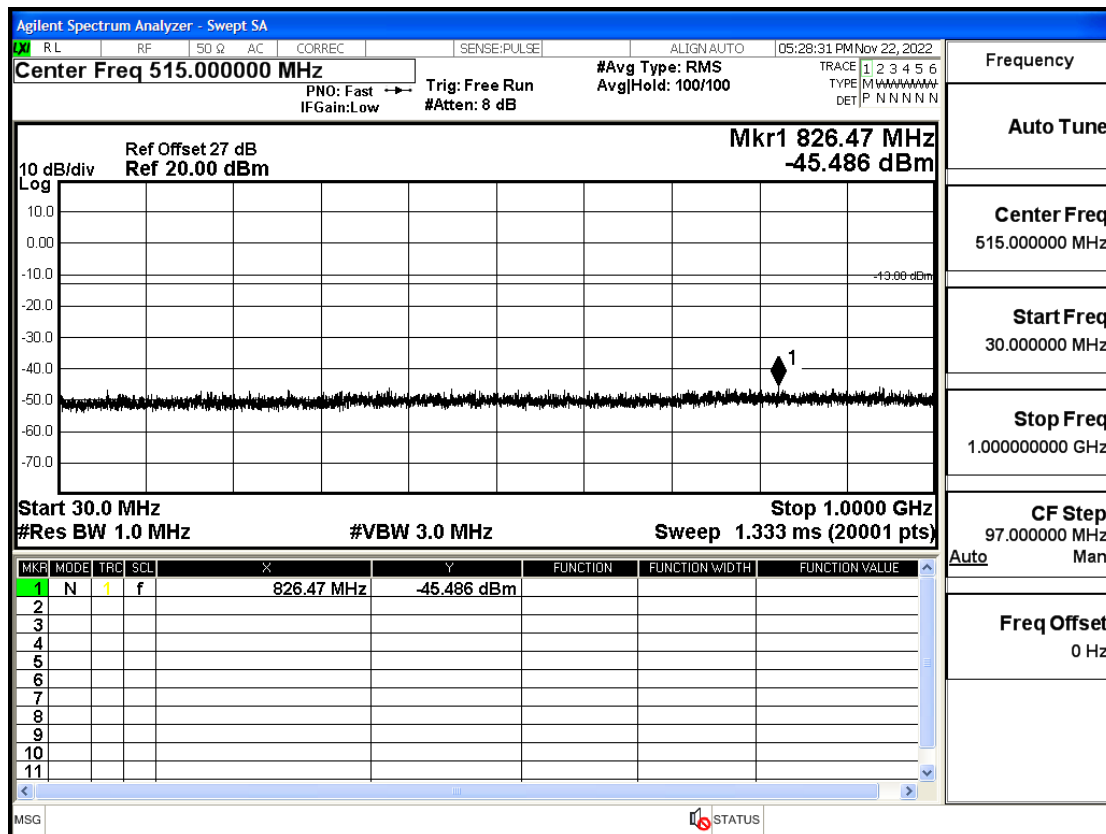
OB4-20-1745-QPSK-100#LOW@7GHz-13.6GHz@Pass



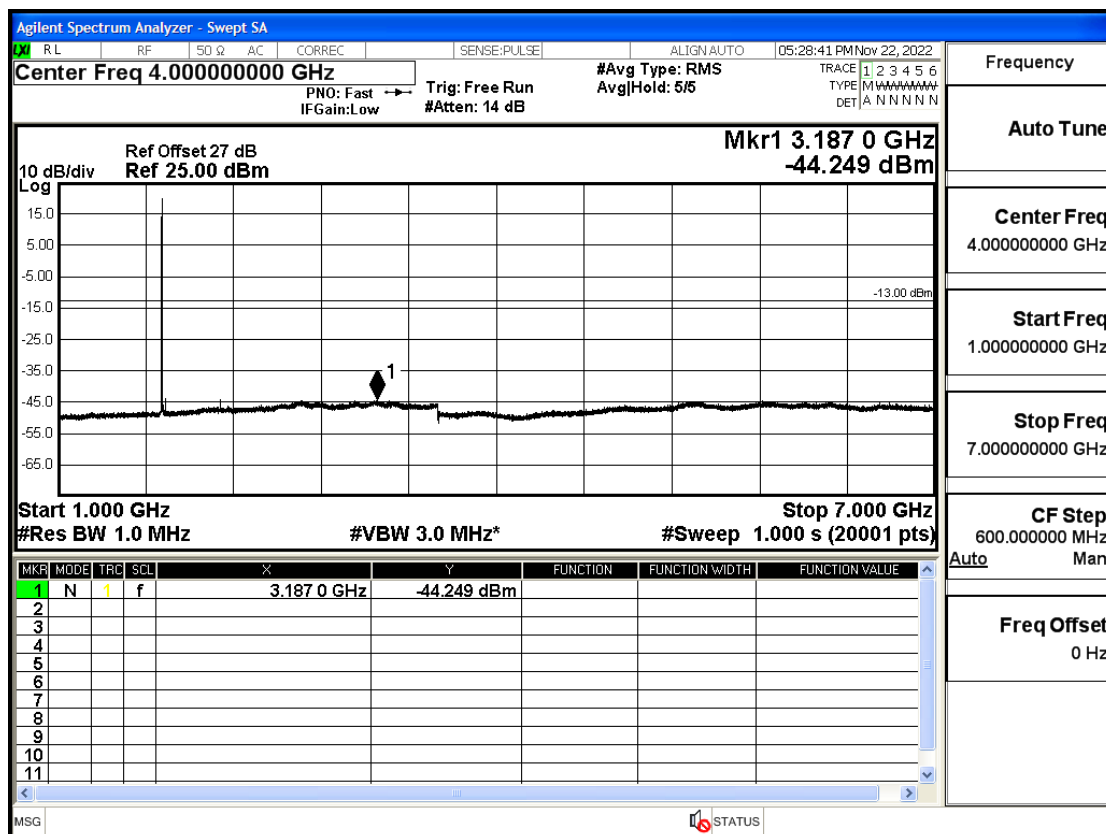
OB4-20-1745-QPSK-100#LOW@13.6GHz-20GHz@Pass



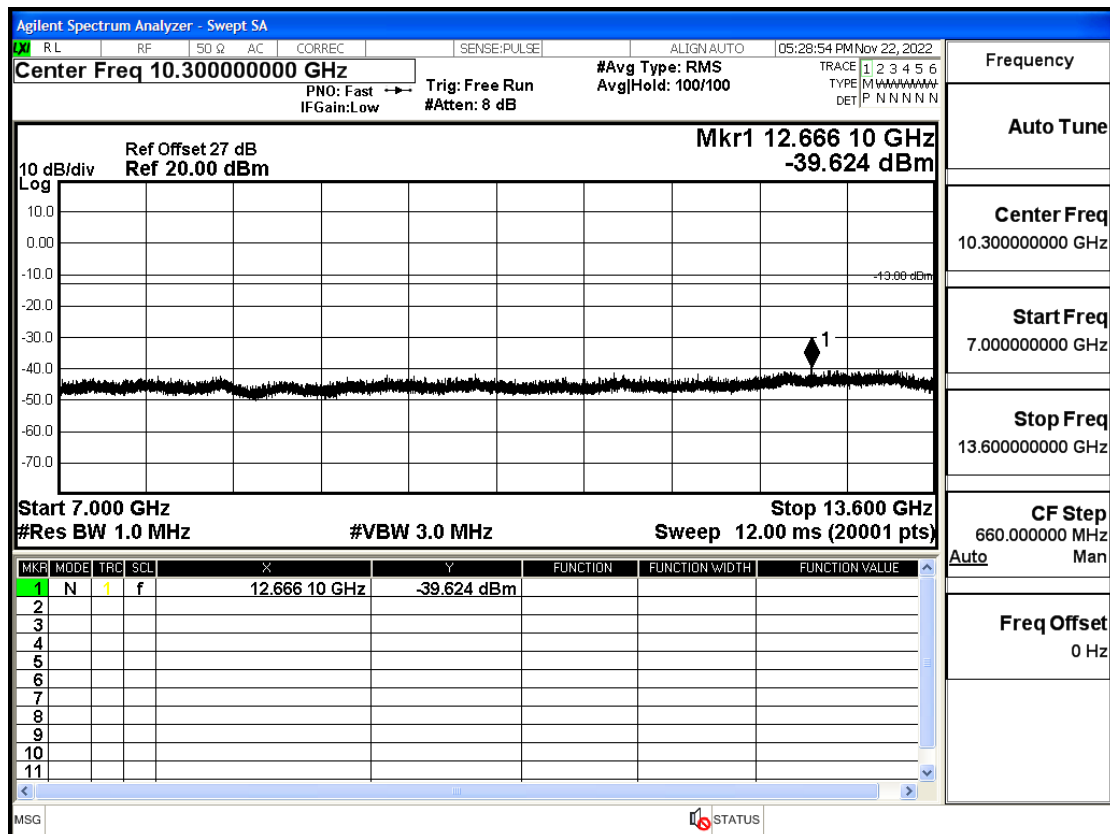
OB4-1.4-1710.7-Q16-6#LOW@30mHz-1GHz@Pass



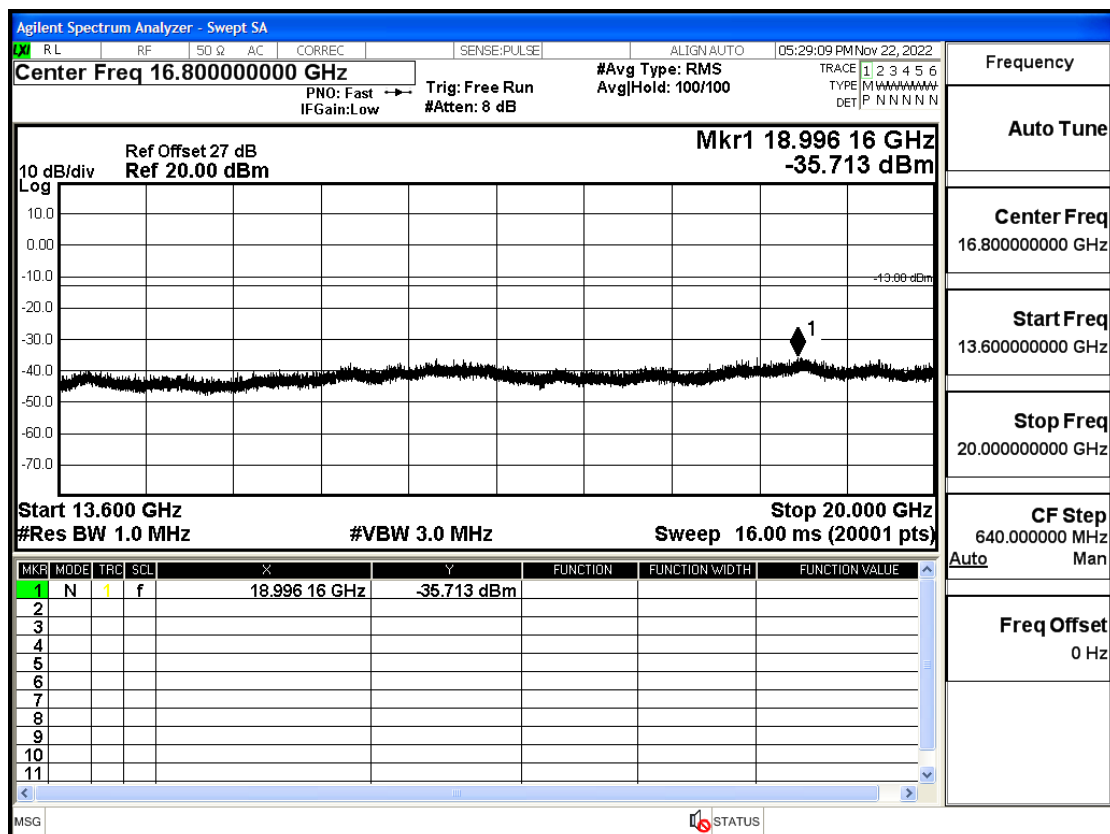
OB4-1.4-1710.7-Q16-6#LOW@1GHz-7GHz@Pass



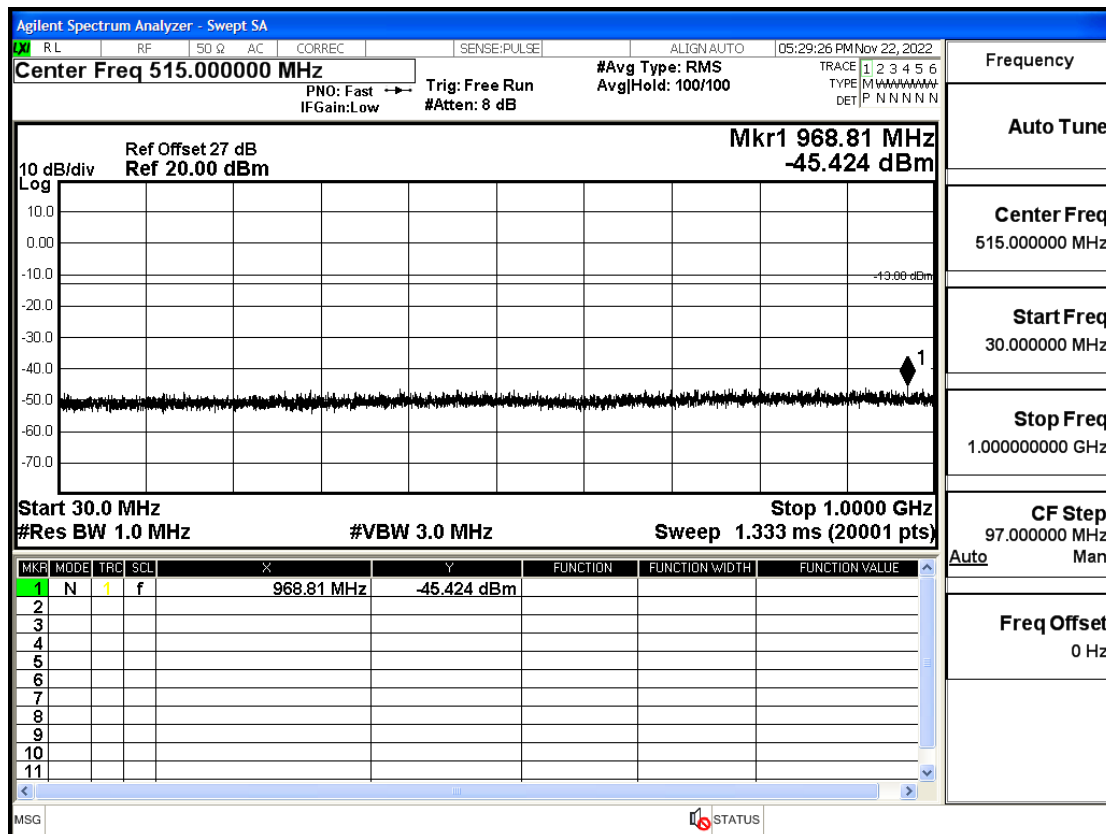
OB4-1.4-1710.7-Q16-6#LOW@7GHz-13.6GHz@Pass



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



OB4-1.4-1732.5-Q16-6#LOW@30mHz-1GHz@Pass



OB4-1.4-1732.5-Q16-6#LOW@1GHz-7GHz@Pass

