

RF Test Data for LTE (Conducted Measurement)

Product Name: Smartphone

Trade Mark: Vortex

Test Model: V20

Sample ID: TZ210502250-1#

FCC ID: 2A2EB-V20

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 and Band4

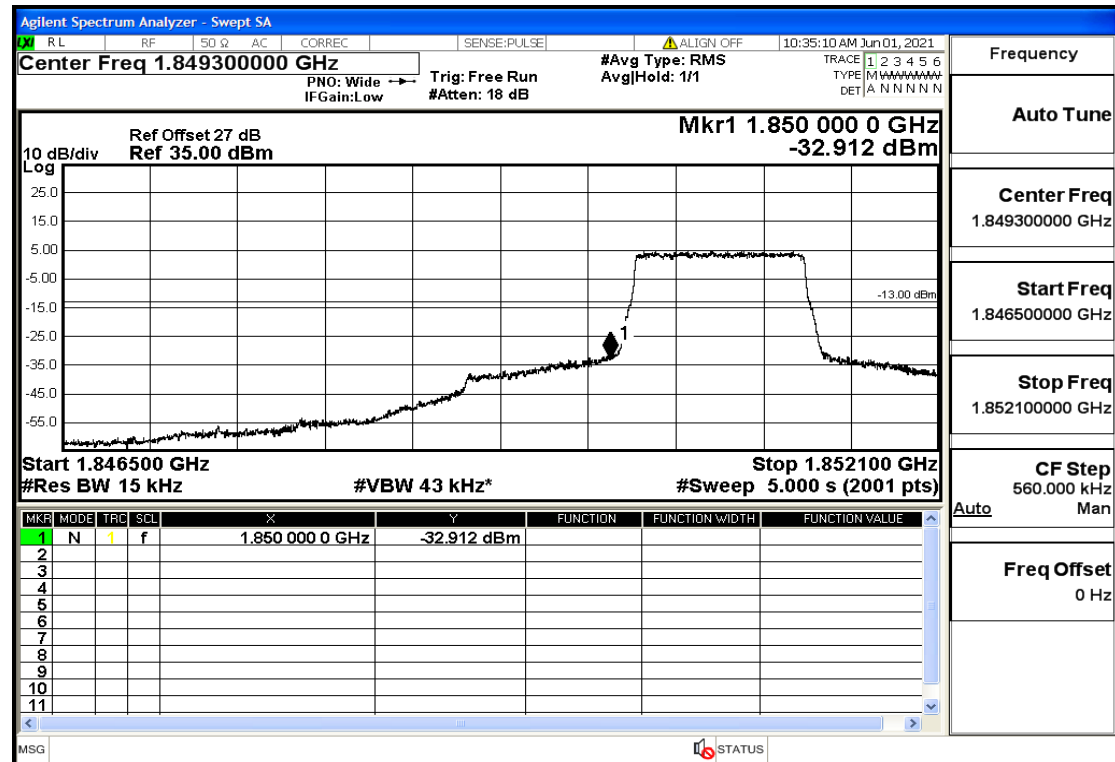
Band Edge and Emission Mask

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

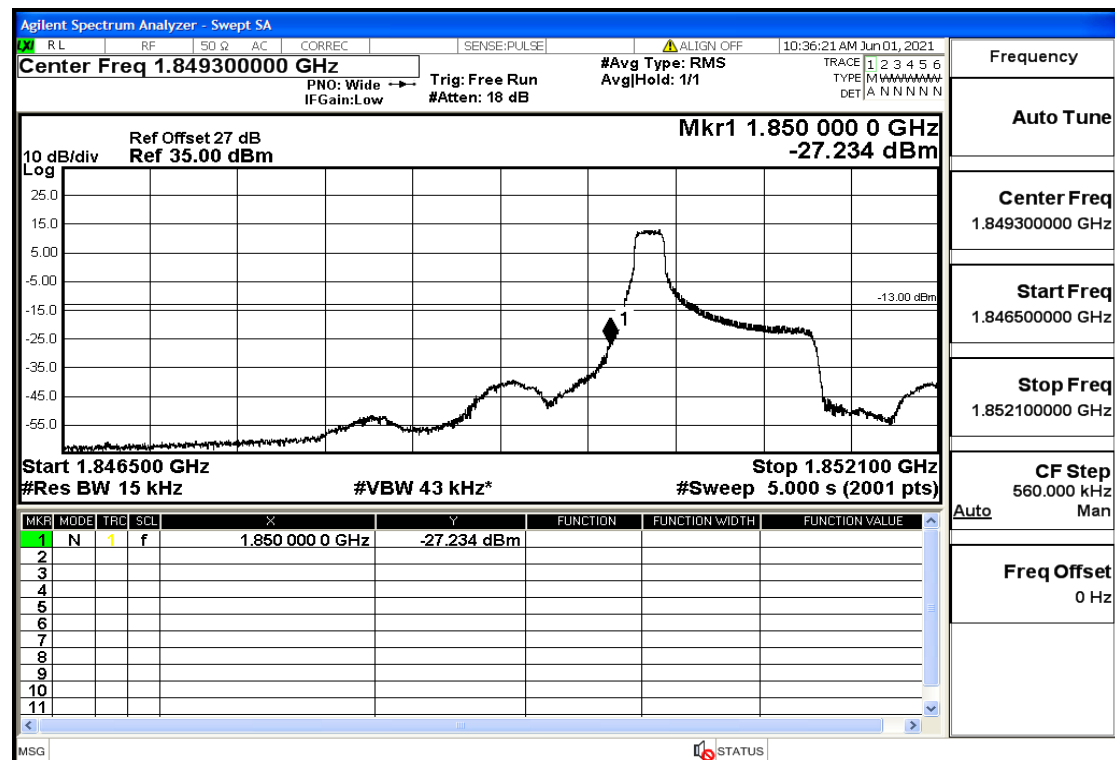
Band2	20	1860	QPSK	1	LOW	Pass
Band2	20	1860	16QAM	100	LOW	Pass
Band2	20	1860	16QAM	1	LOW	Pass
Band2	20	1900	QPSK	100	LOW	Pass
Band2	20	1900	QPSK	1	HIGH	Pass
Band2	20	1900	16QAM	100	LOW	Pass
Band2	20	1900	16QAM	1	HIGH	Pass
Band4	1.4	1710.7	QPSK	6	LOW	Pass
Band4	1.4	1710.7	QPSK	1	LOW	Pass
Band4	1.4	1710.7	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

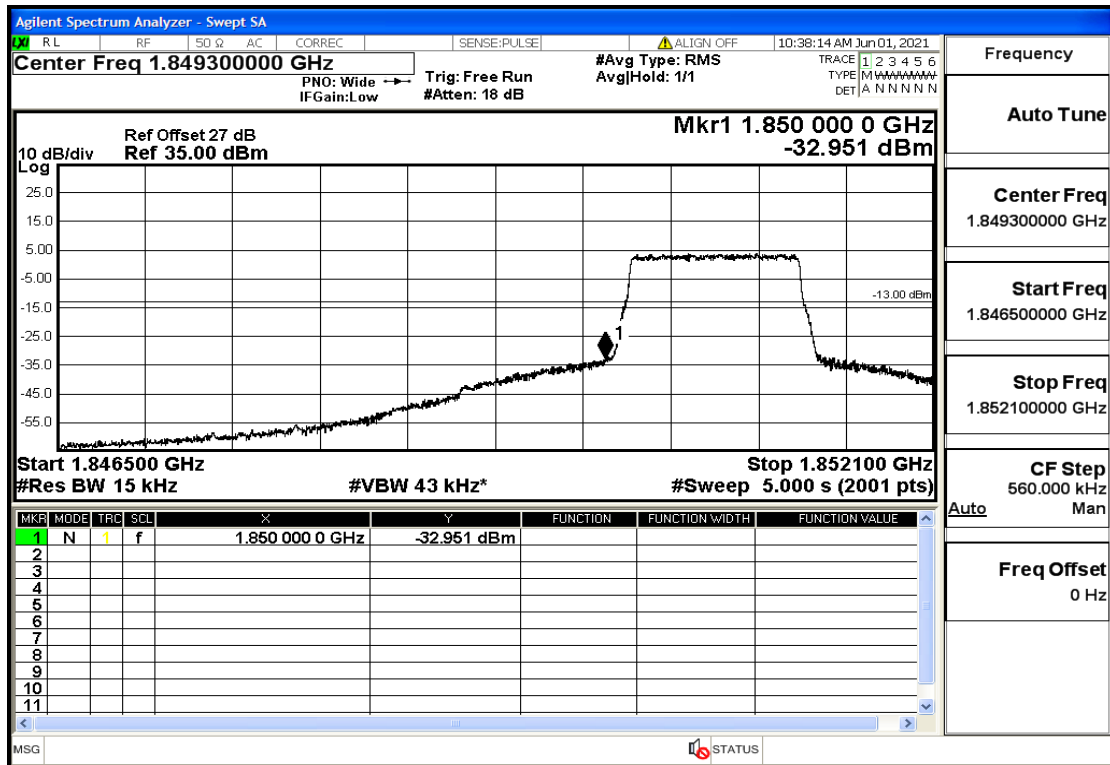
Band2-1.4-1850.7-QPSK-6#LOW@Pass



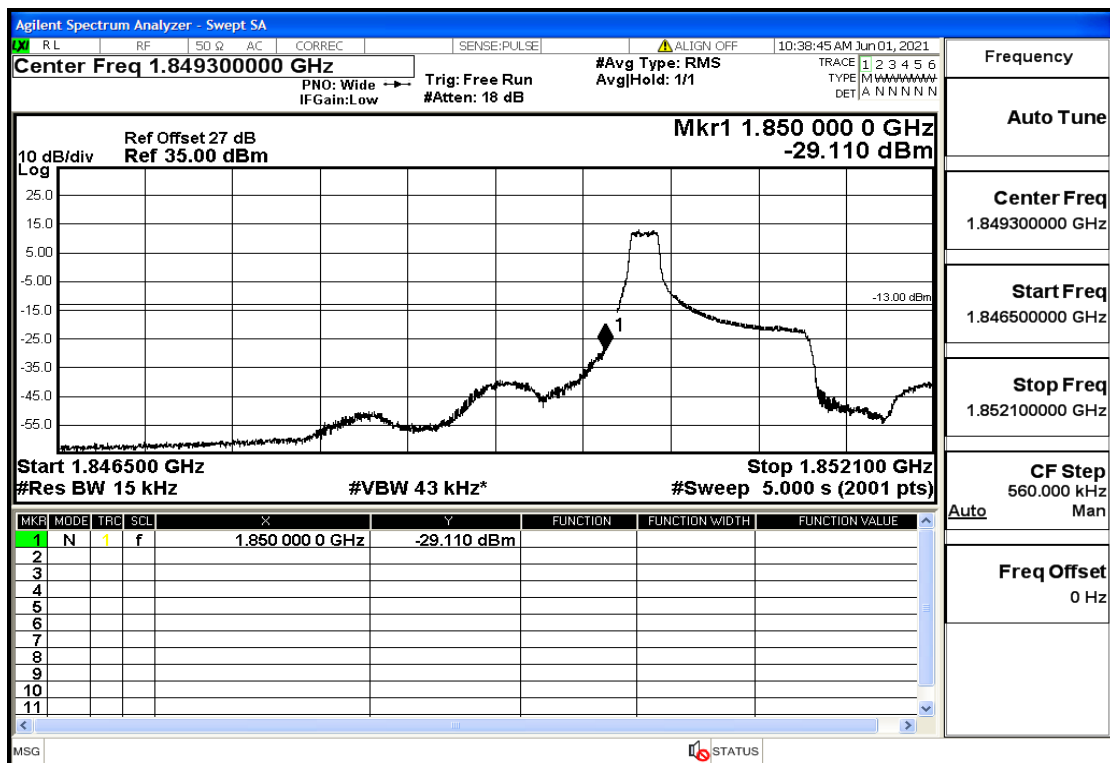
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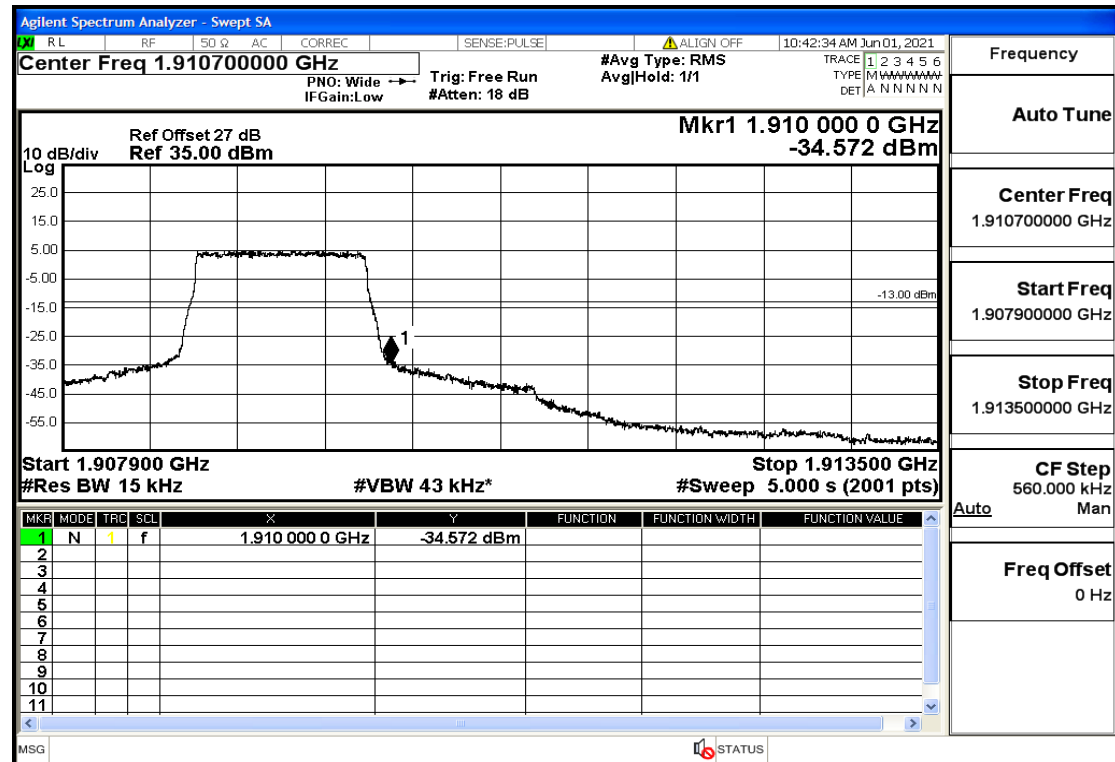
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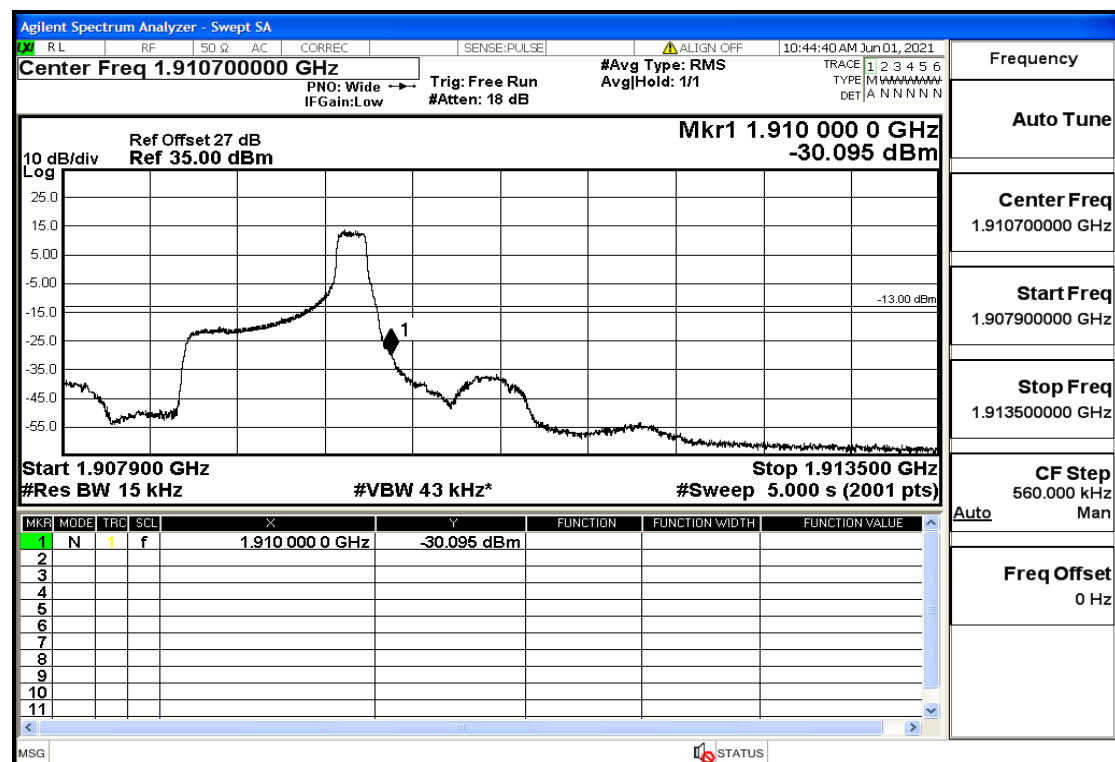
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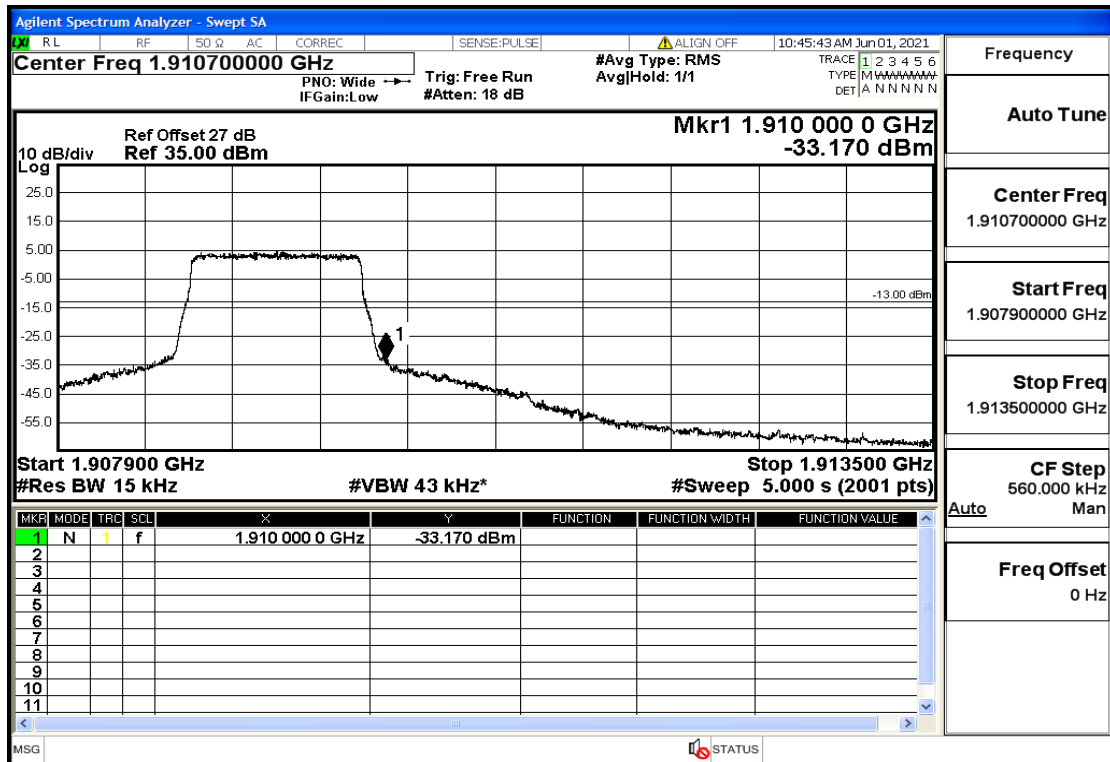
Band2-1.4-1909.3-QPSK-6#LOW@Pass



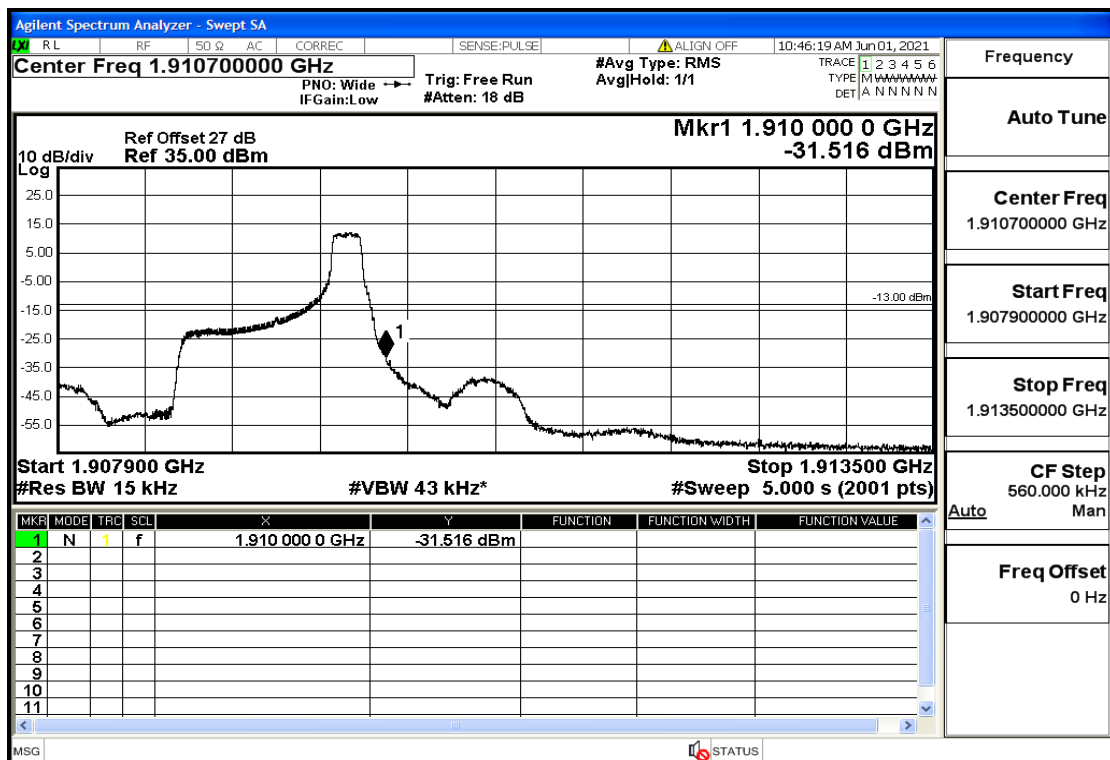
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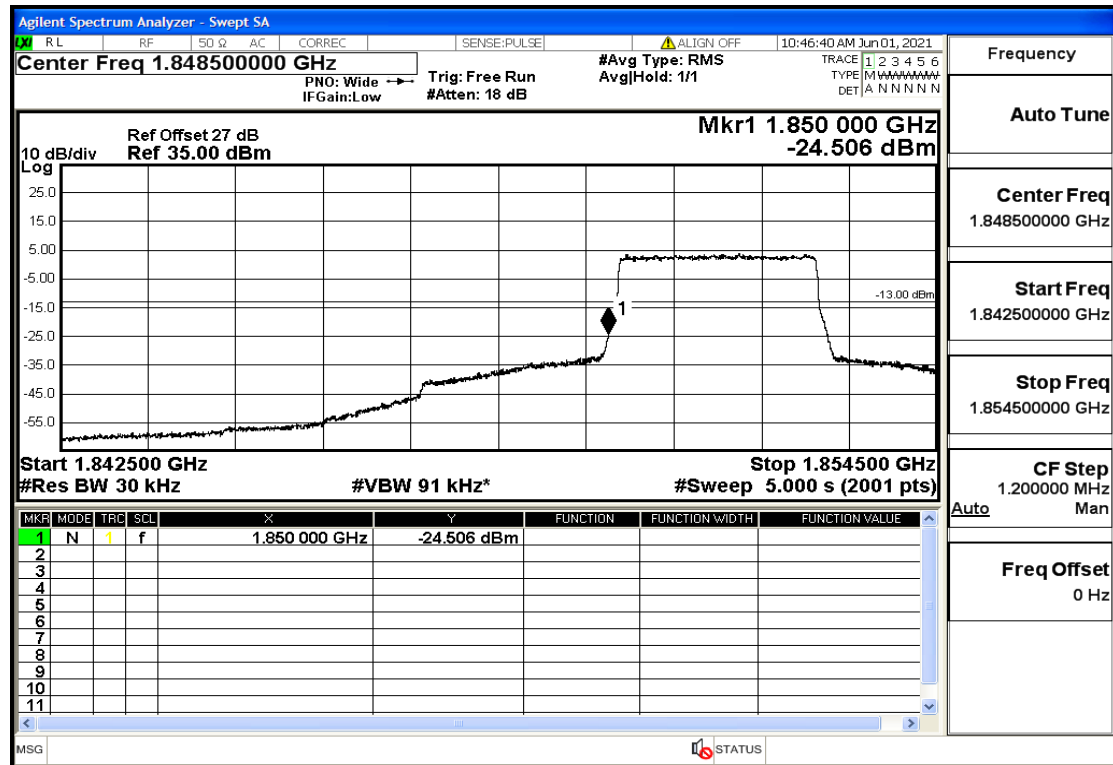
Band2-1.4-1909.3-16QAM-6#LOW@Pass



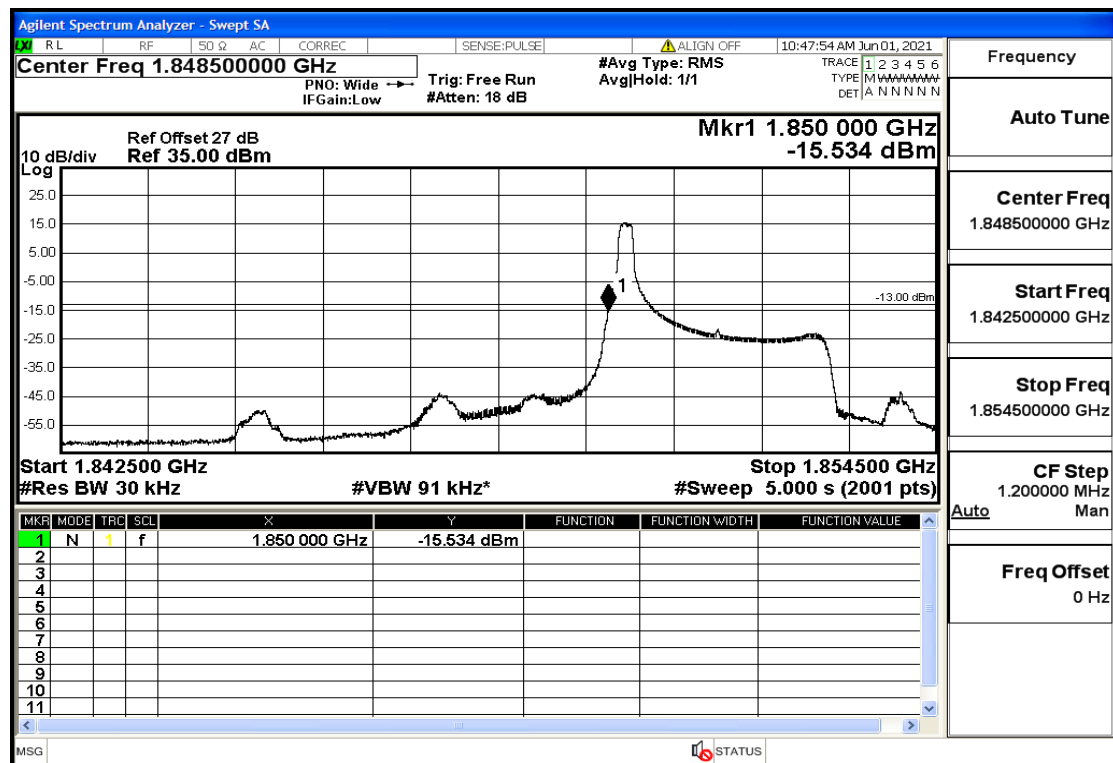
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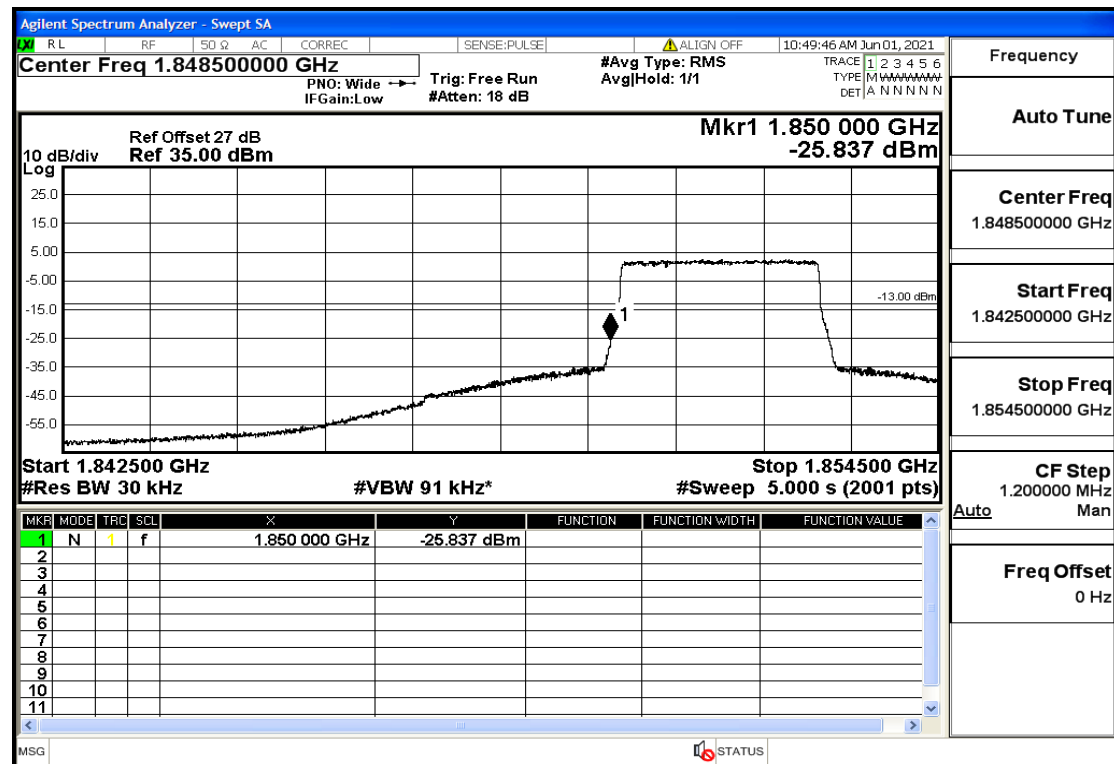
Band2-3-1851.5-QPSK-15#LOW@Pass



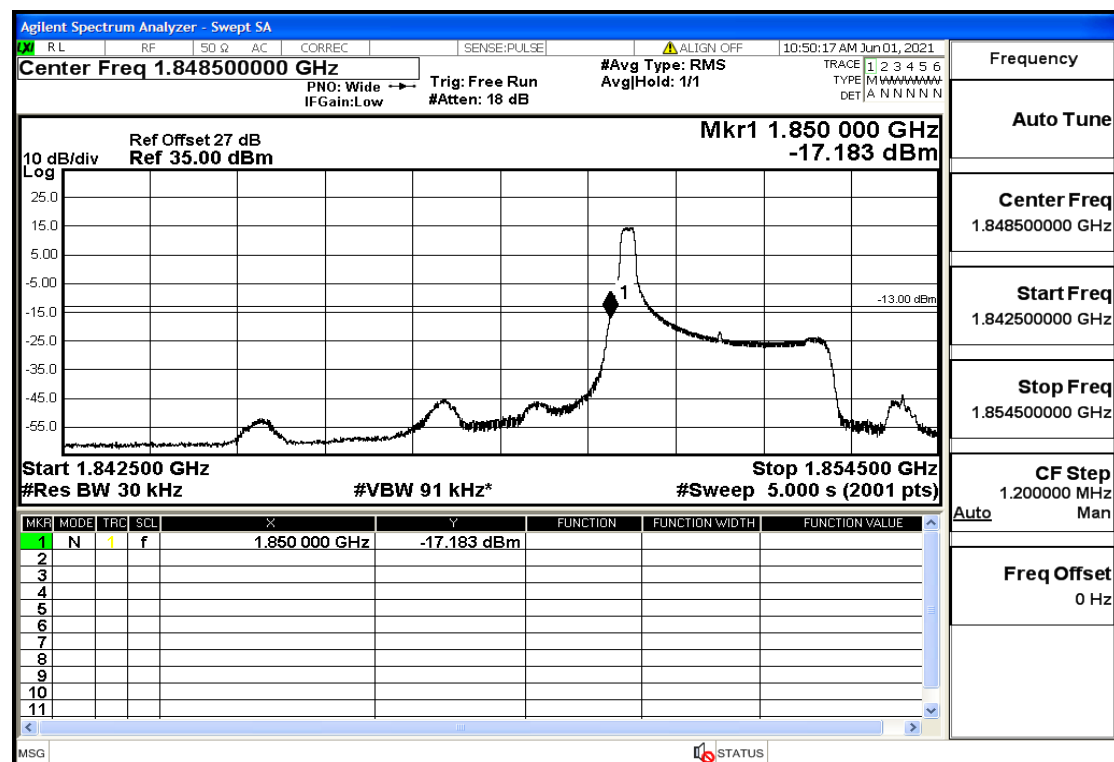
Band2-3-1851.5-QPSK-1#LOW@Pass



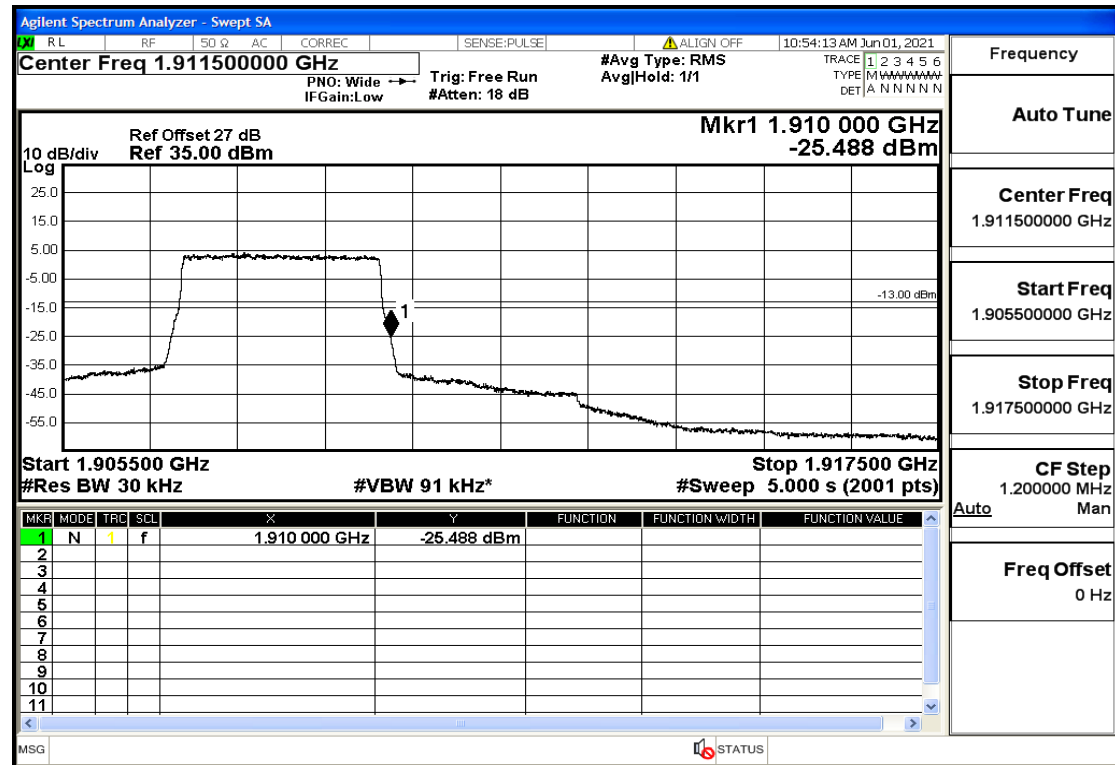
Band2-3-1851.5-16QAM-15#LOW@Pass



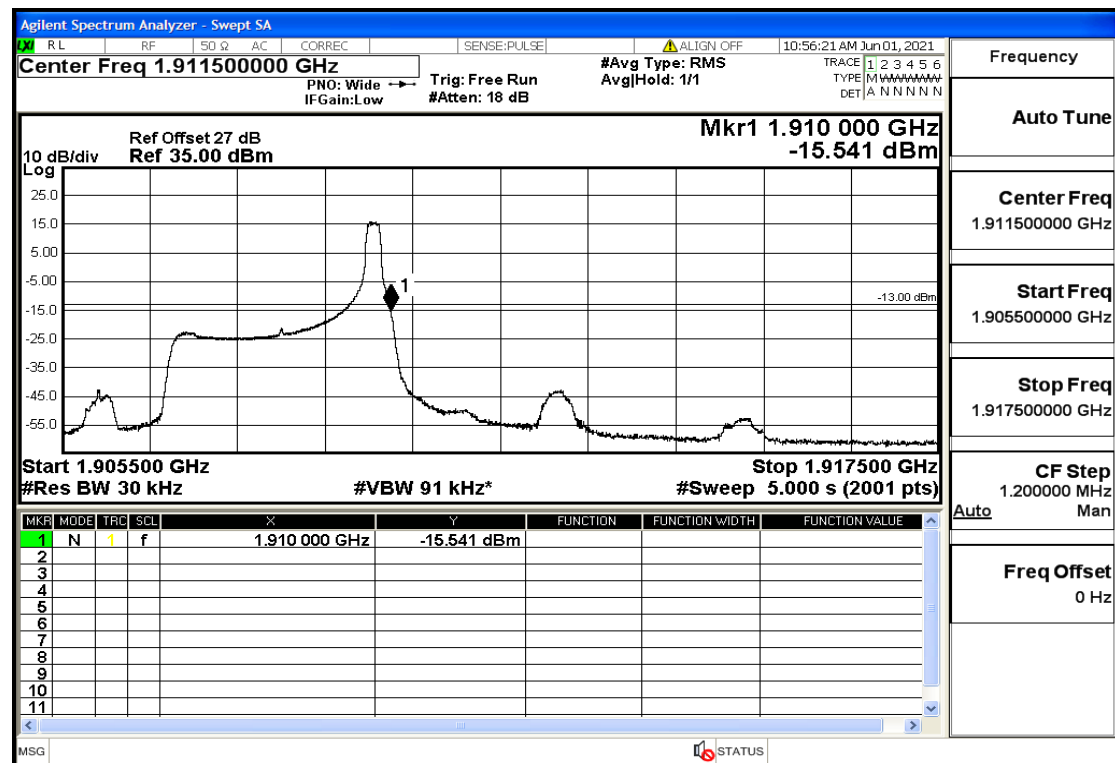
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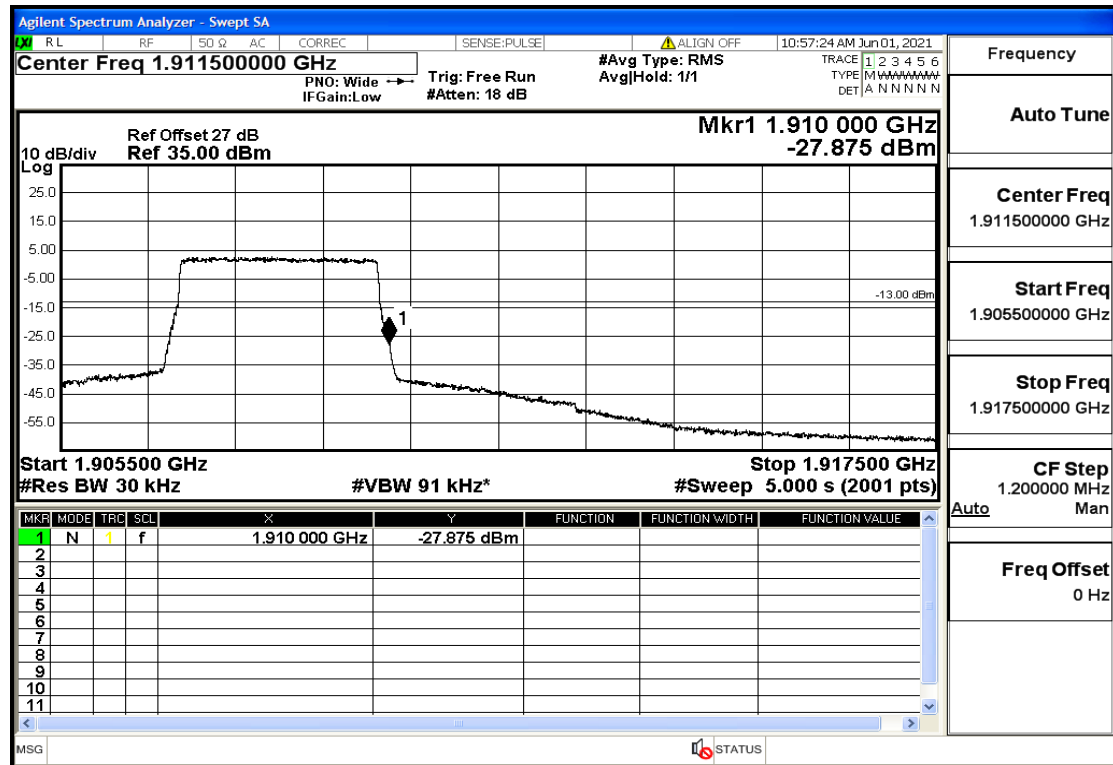
Band2-3-1908.5-QPSK-15#LOW@Pass



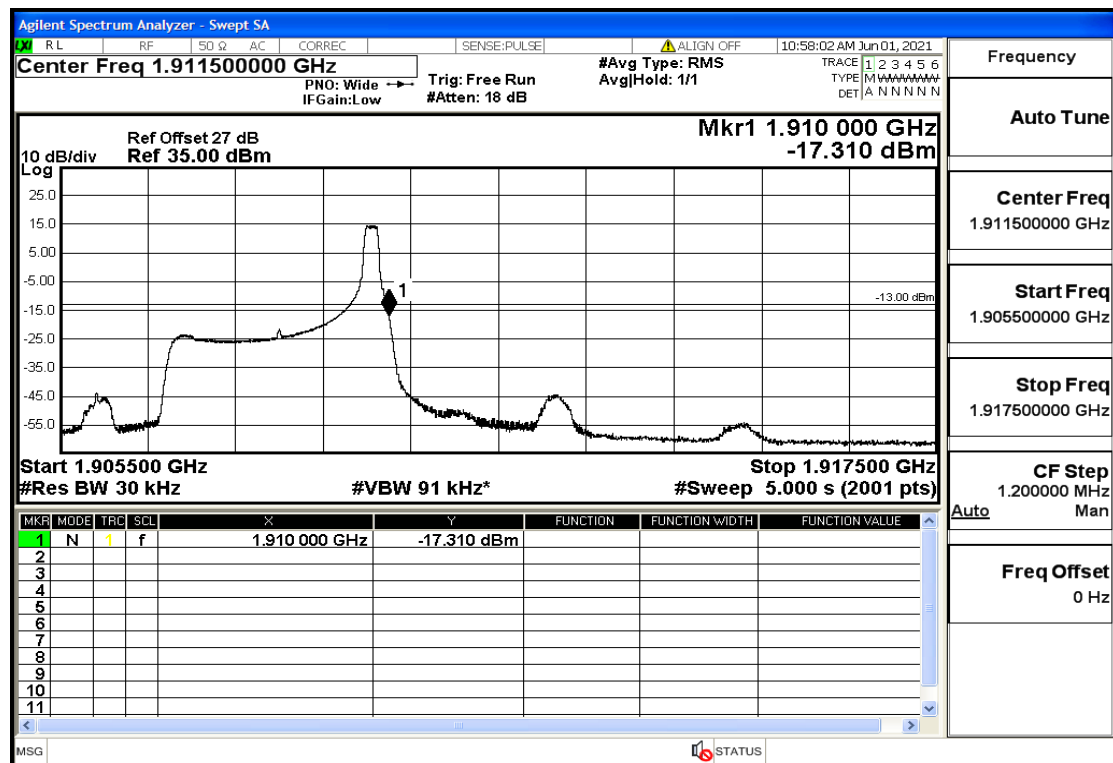
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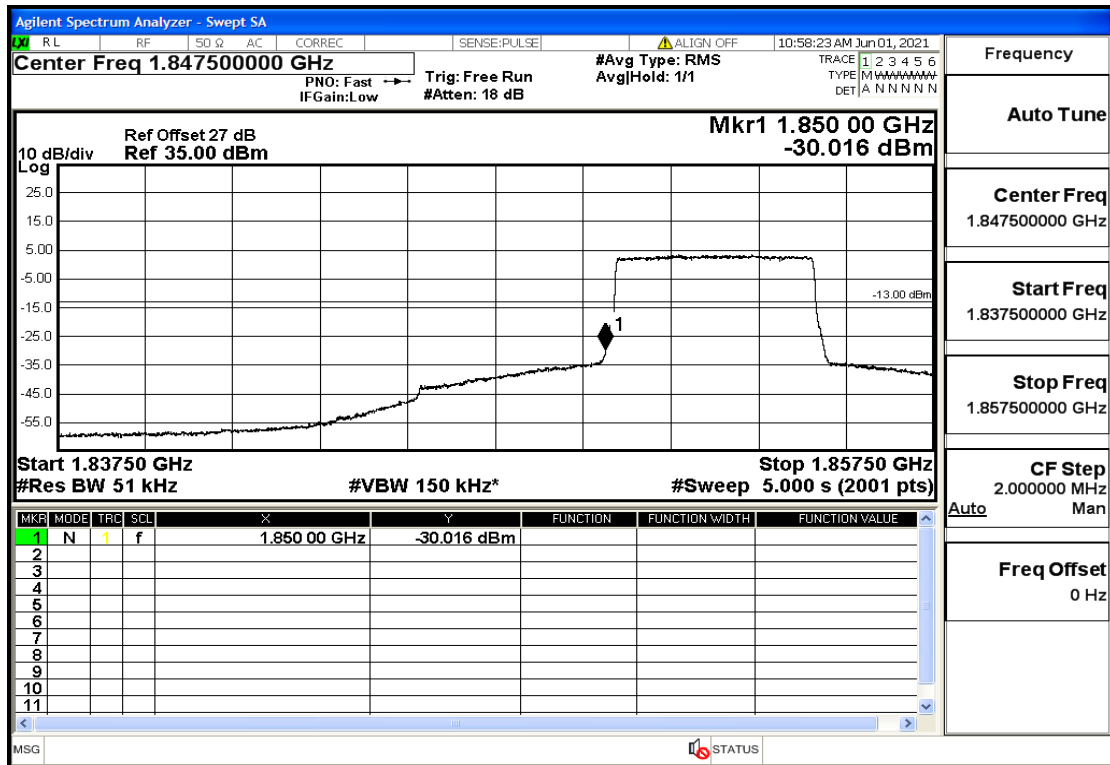
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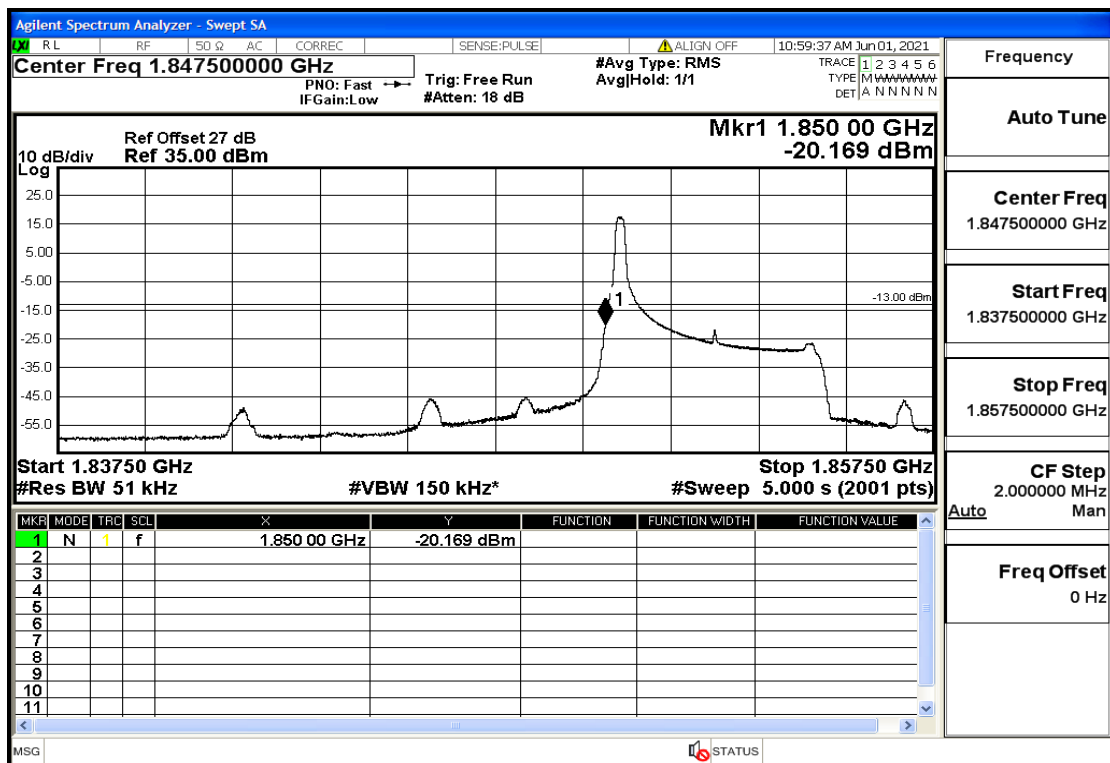
Band2-3-1908.5-16QAM-1#HIGH@Pass



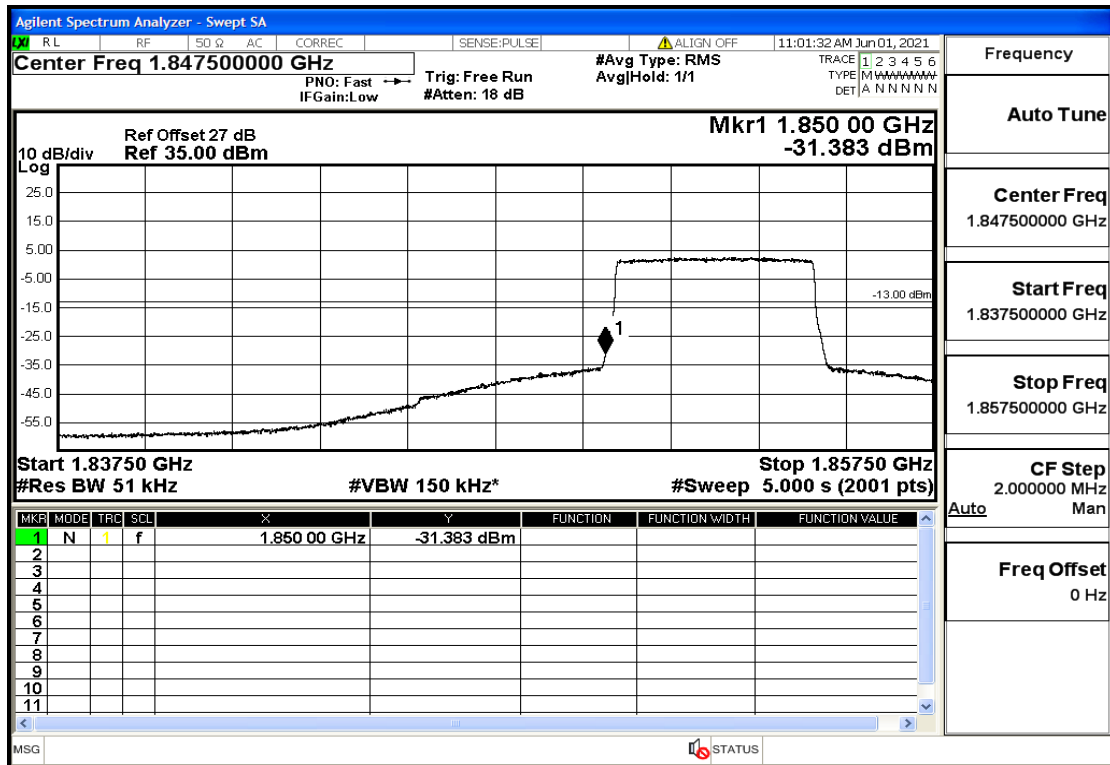
Band2-5-1852.5-QPSK-25#LOW@Pass



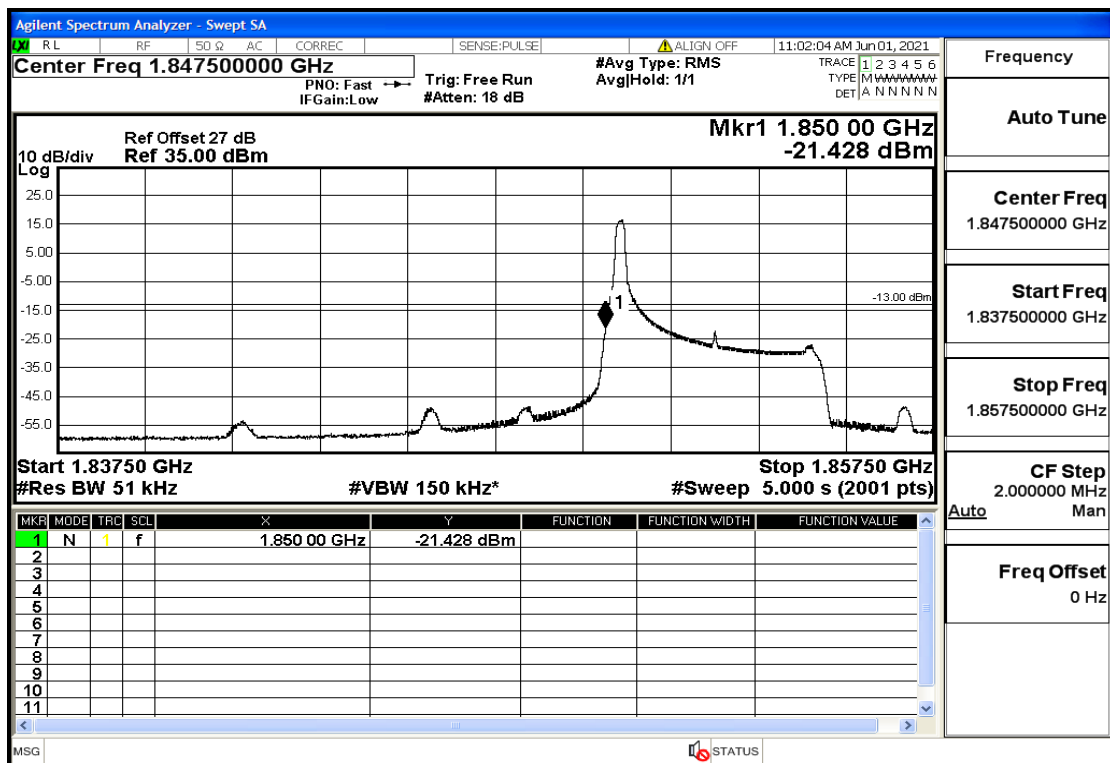
Band2-5-1852.5-QPSK-1#LOW@Pass



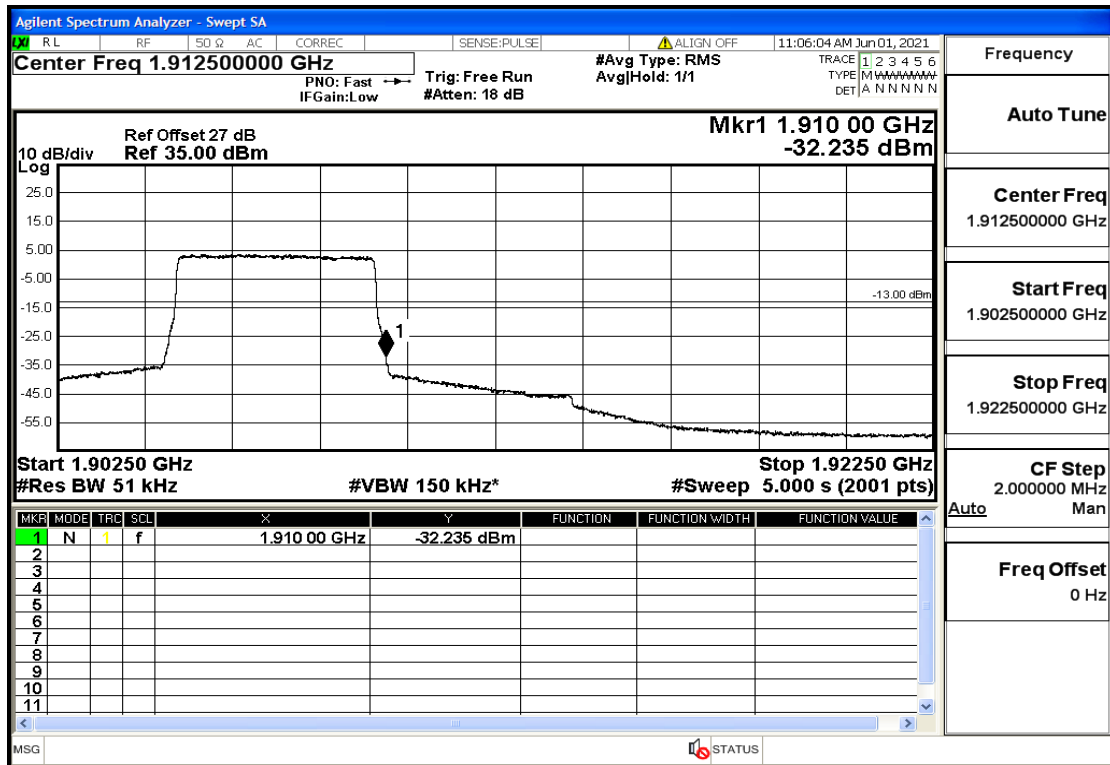
Band2-5-1852.5-16QAM-25#LOW@Pass



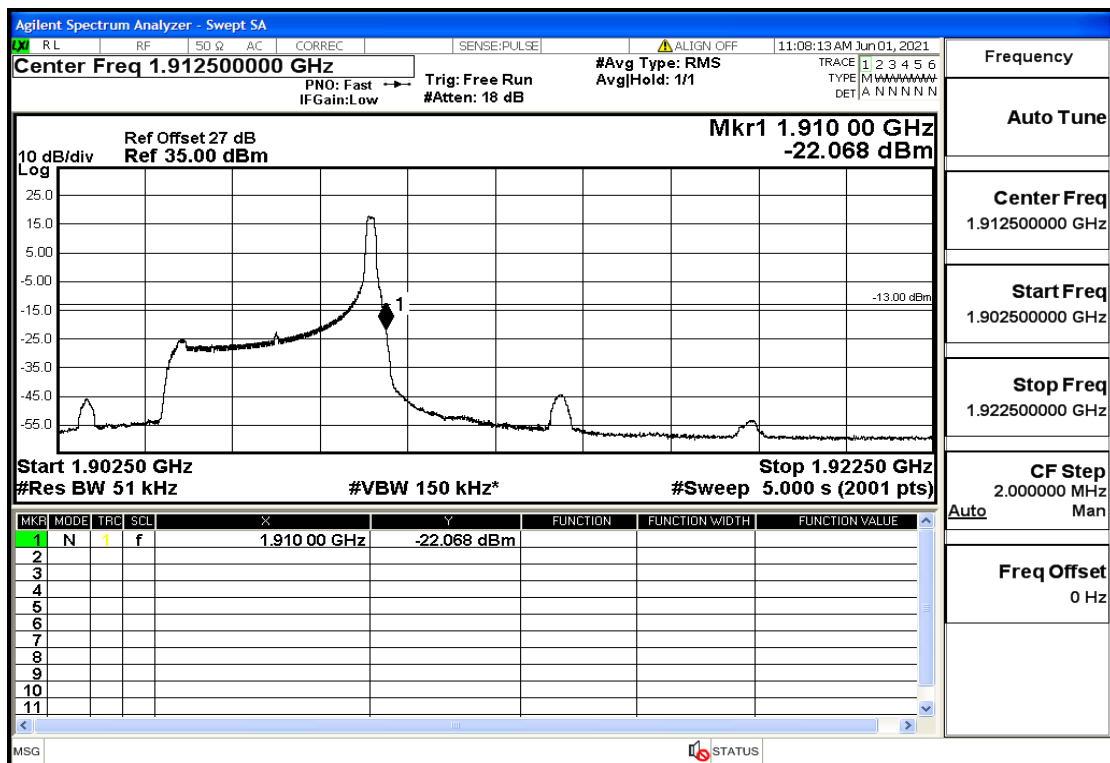
Band2-5-1852.5-16QAM-1#LOW@Pass



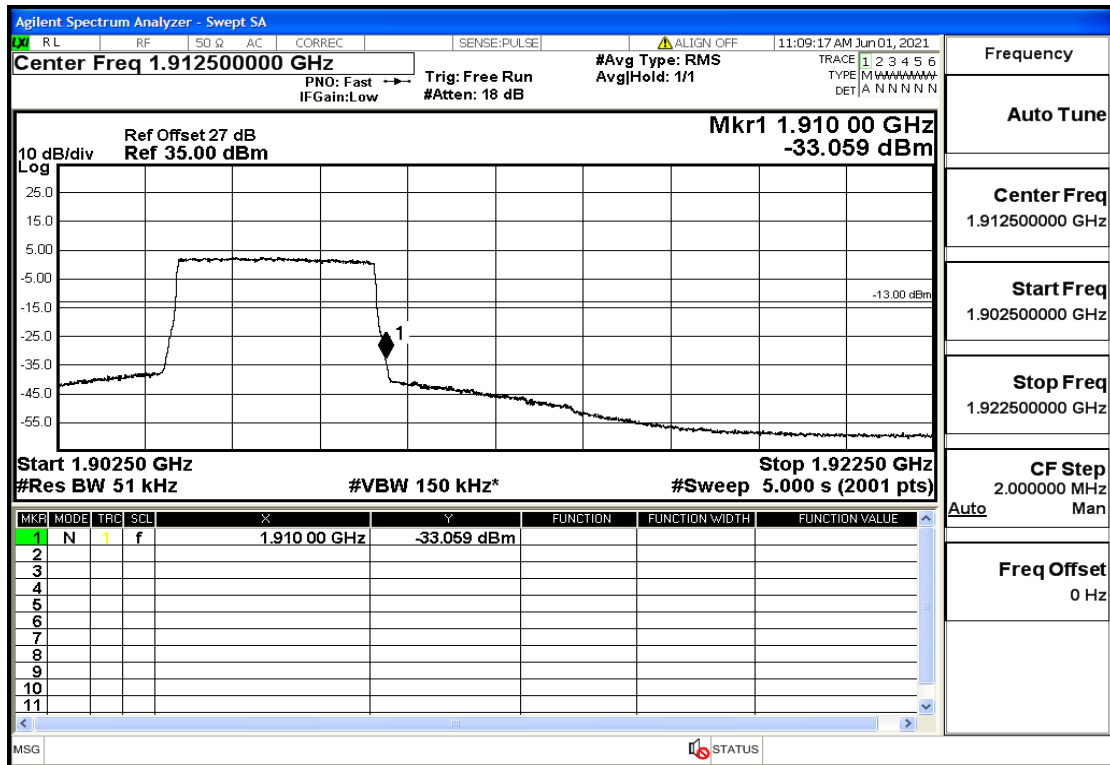
Band2-5-1907.5-QPSK-25#LOW@Pass



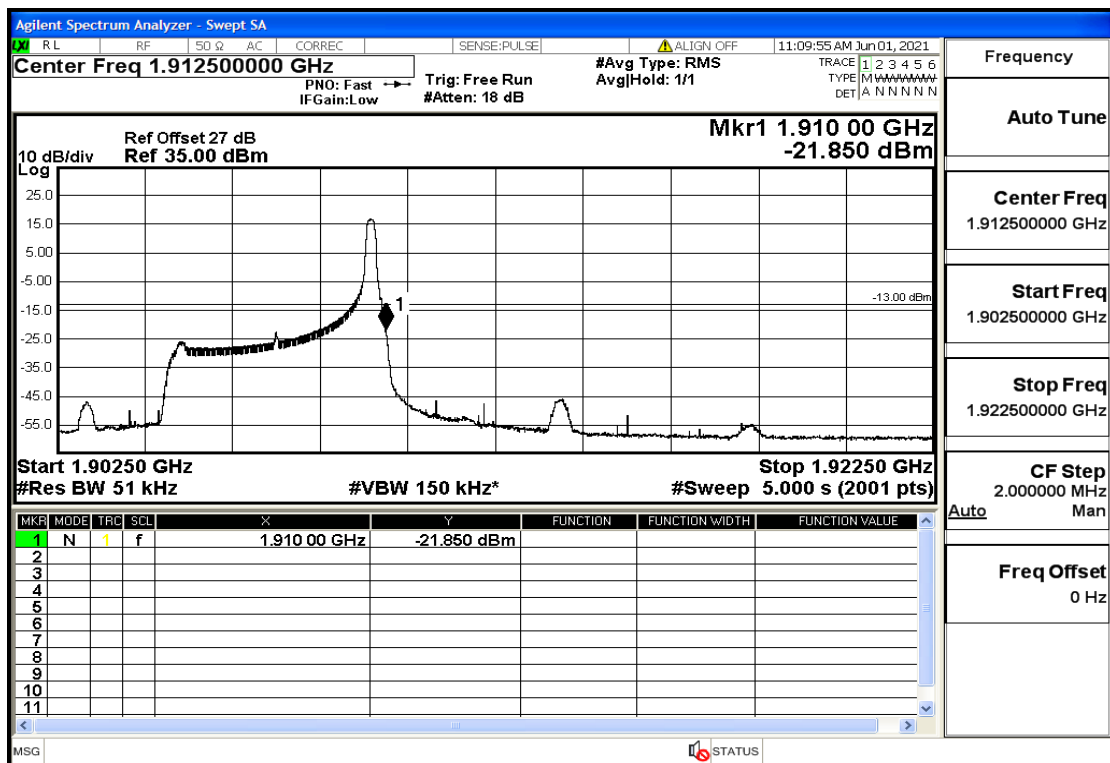
Band2-5-1907.5-QPSK-1#HIGH@Pass



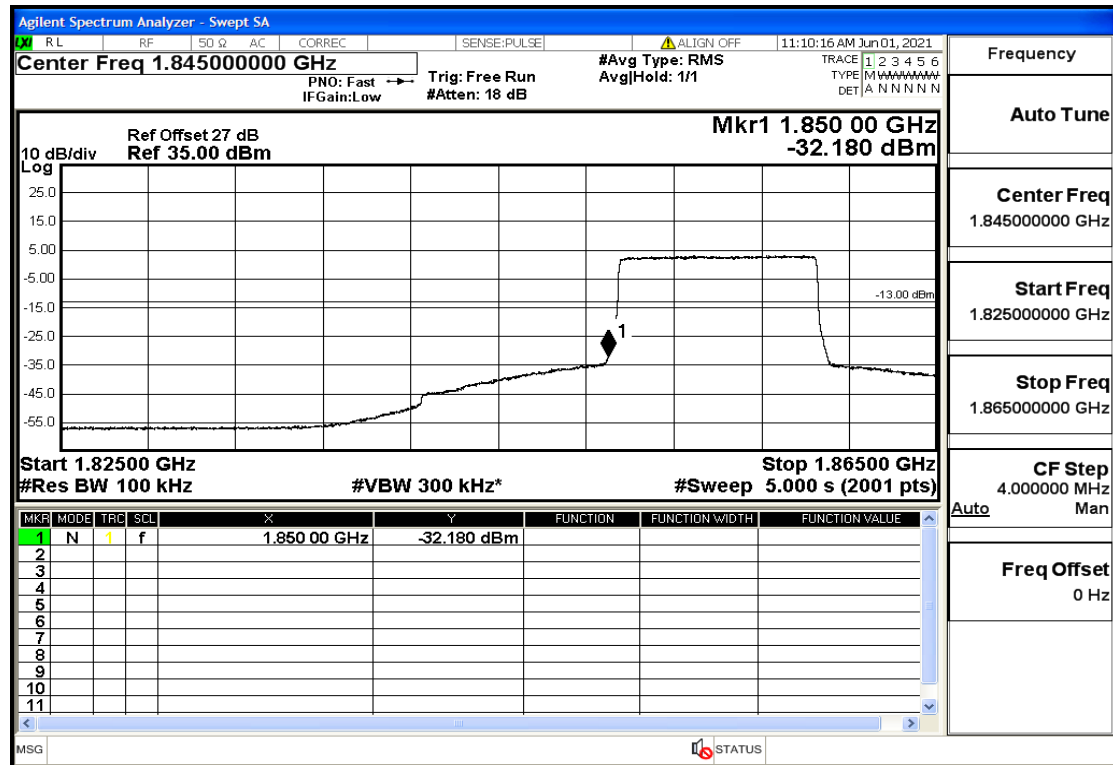
Band2-5-1907.5-16QAM-25#LOW@Pass



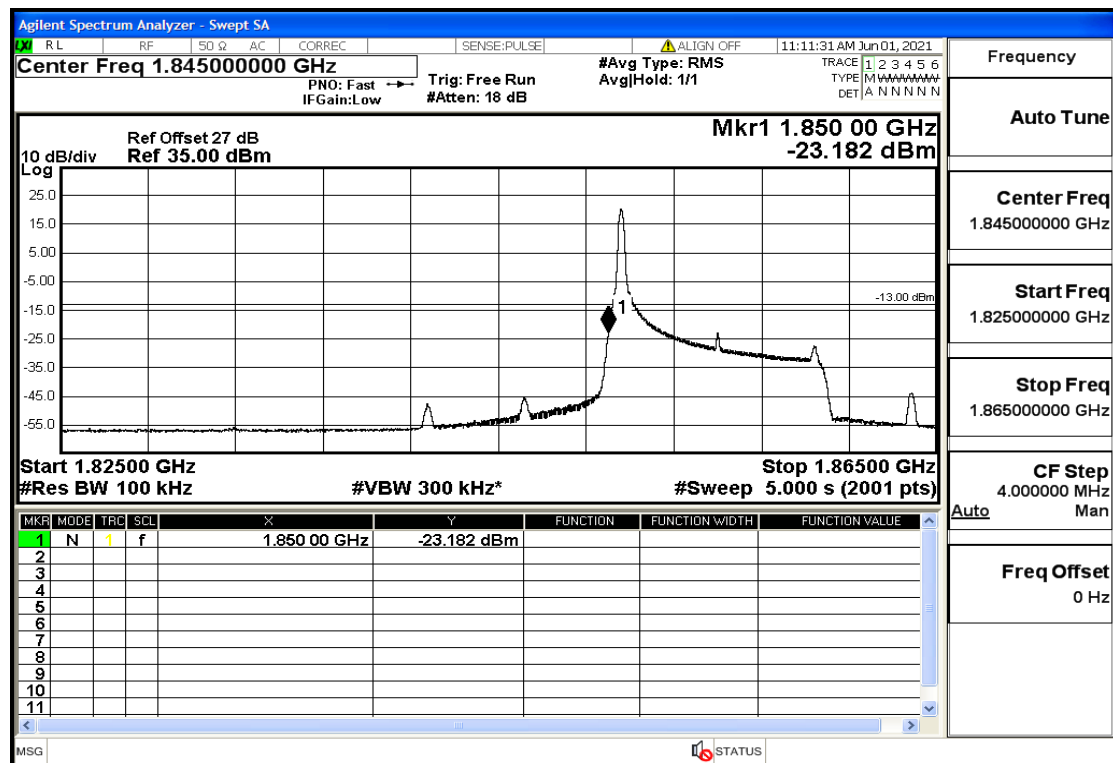
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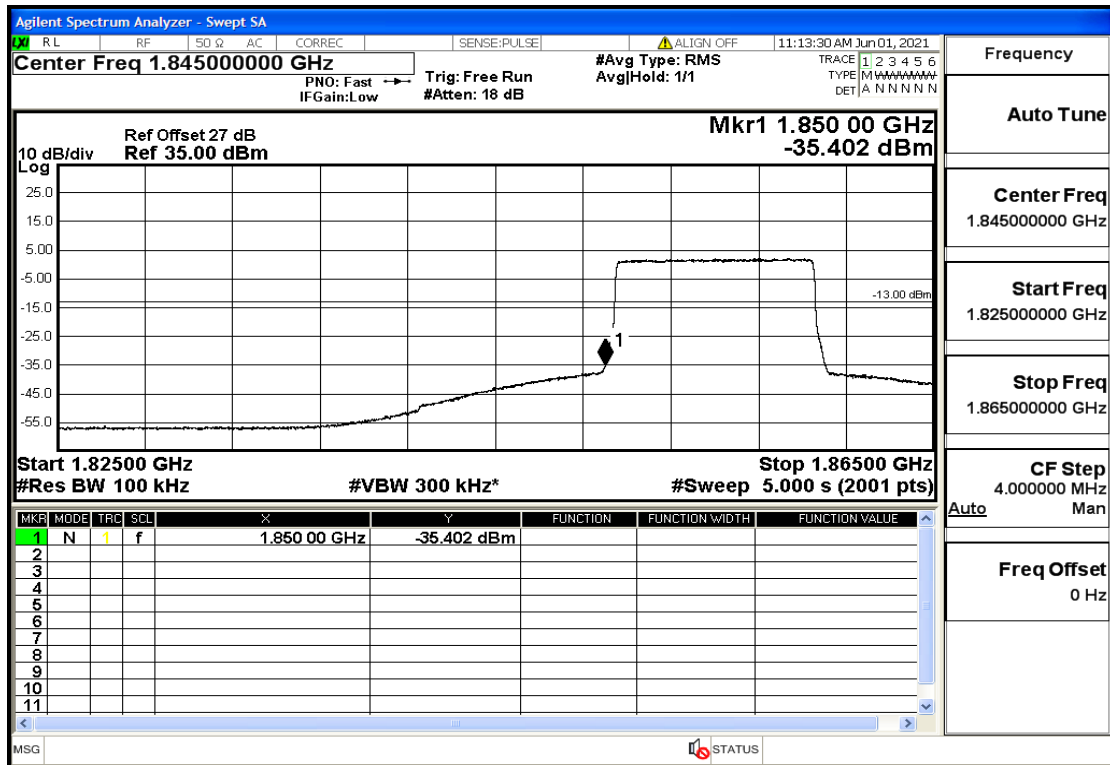
Band2-10-1855-QPSK-50#LOW@Pass



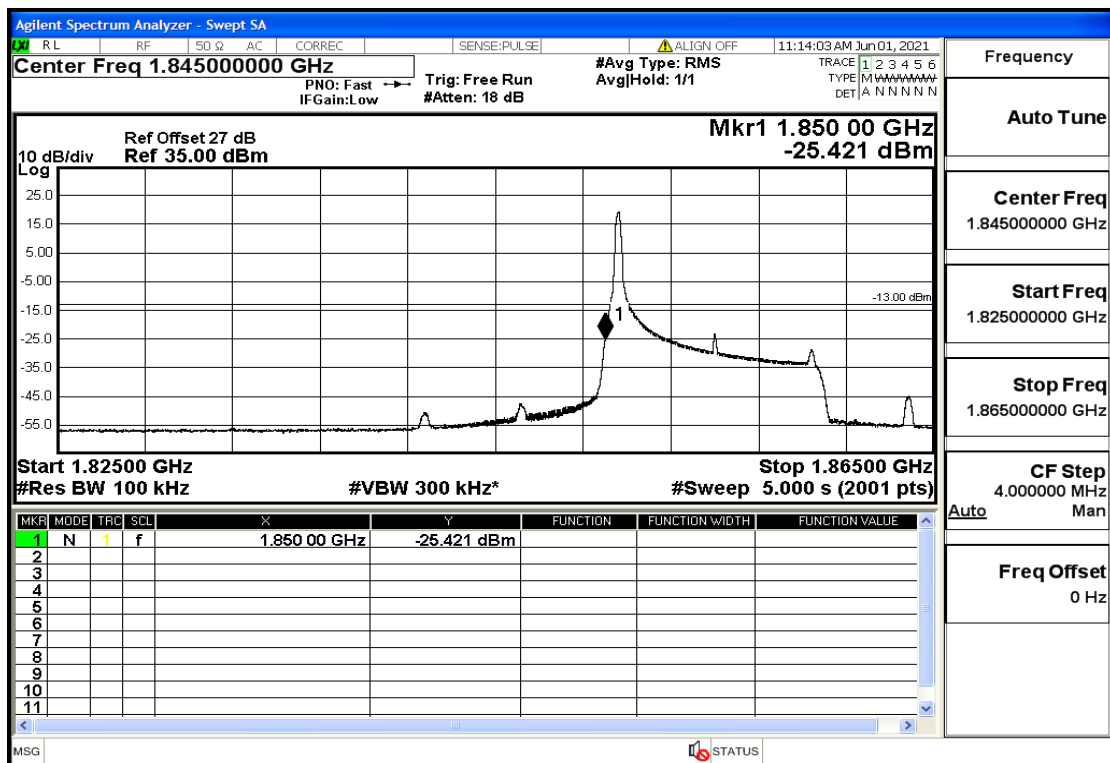
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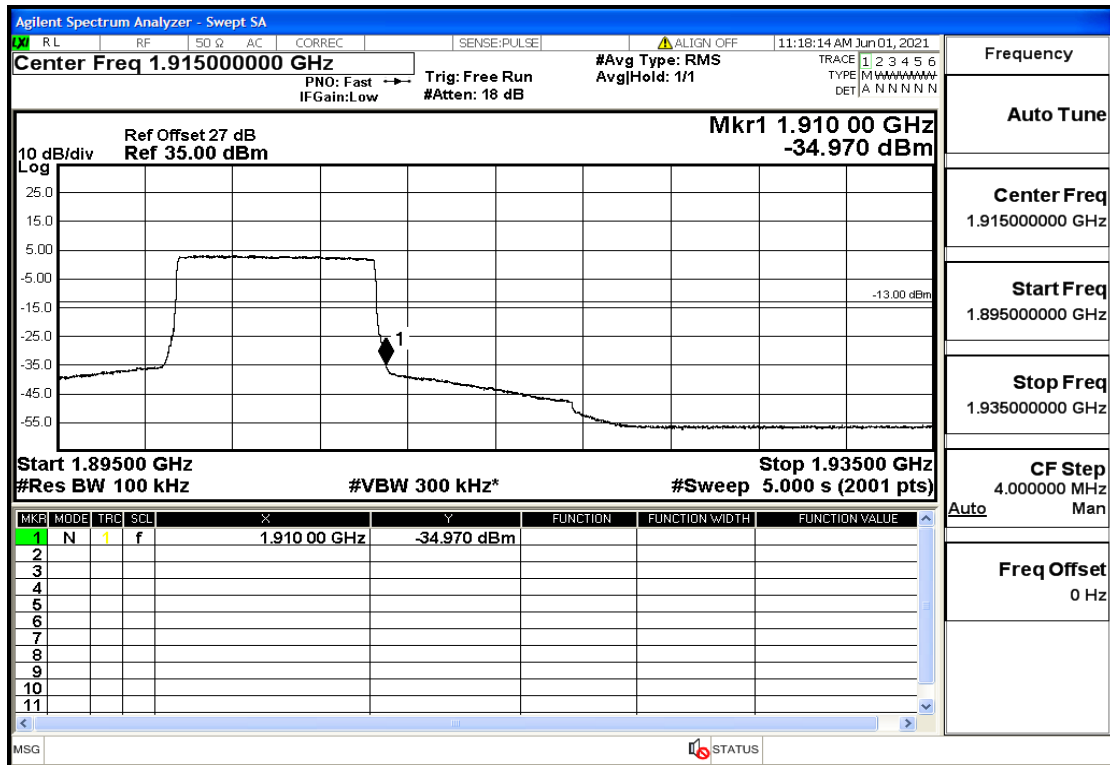
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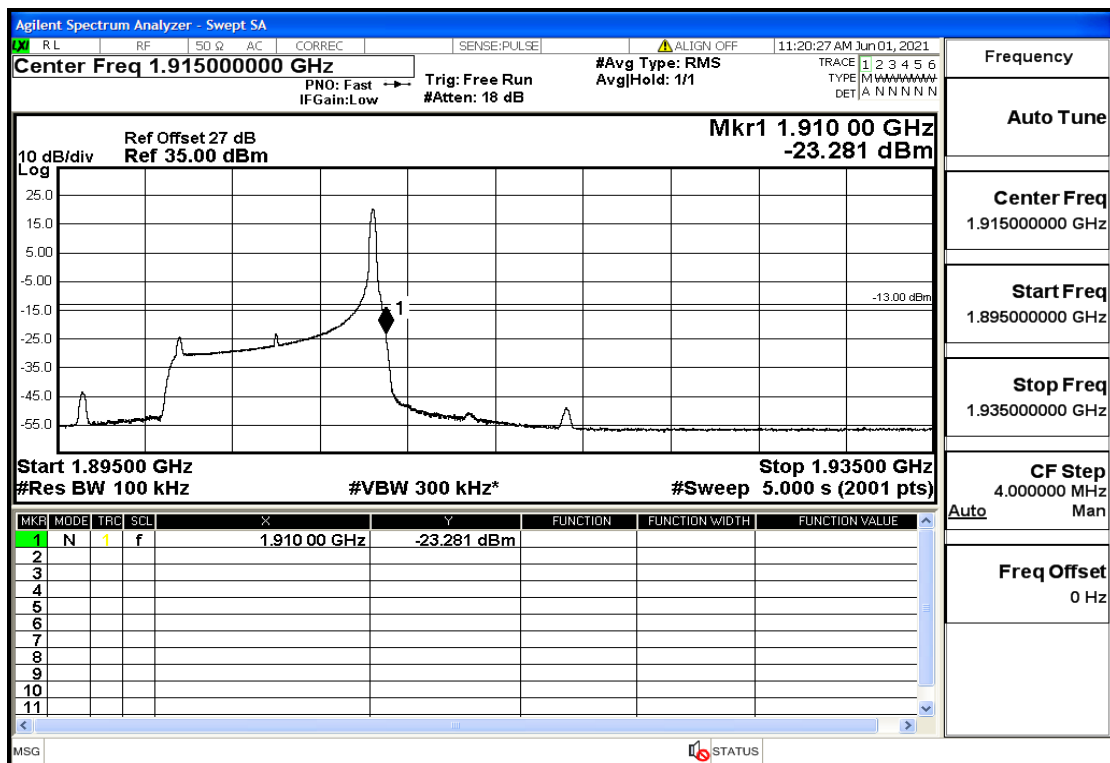
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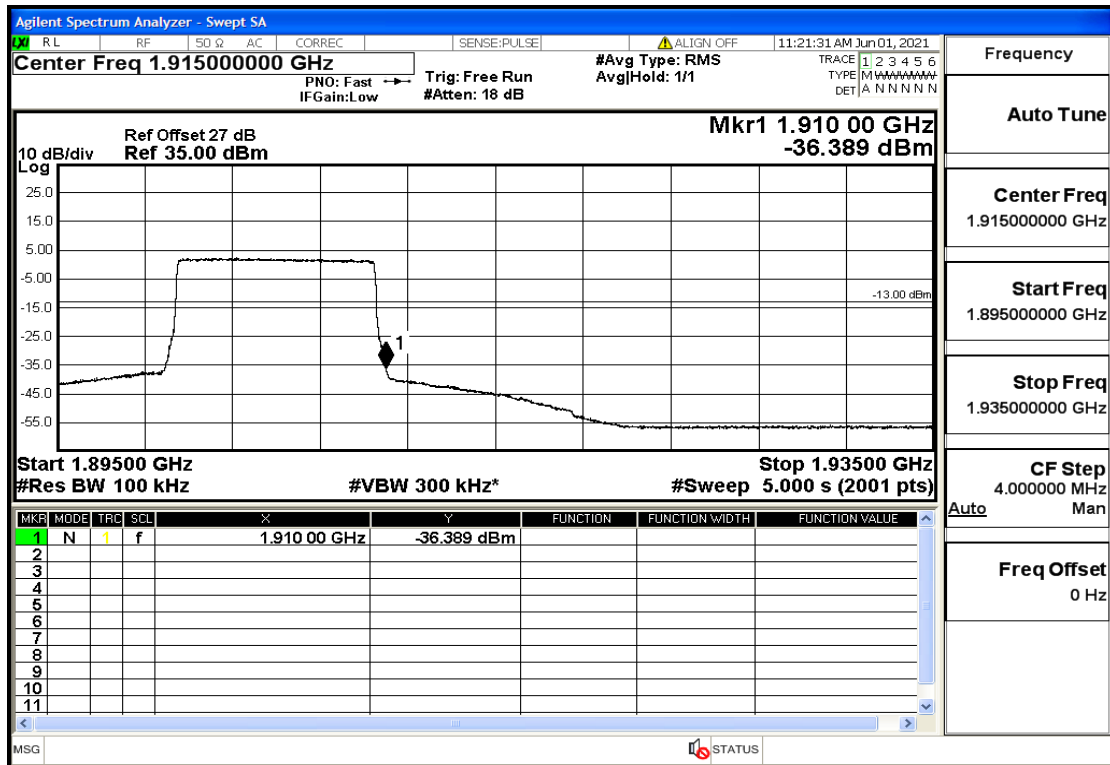
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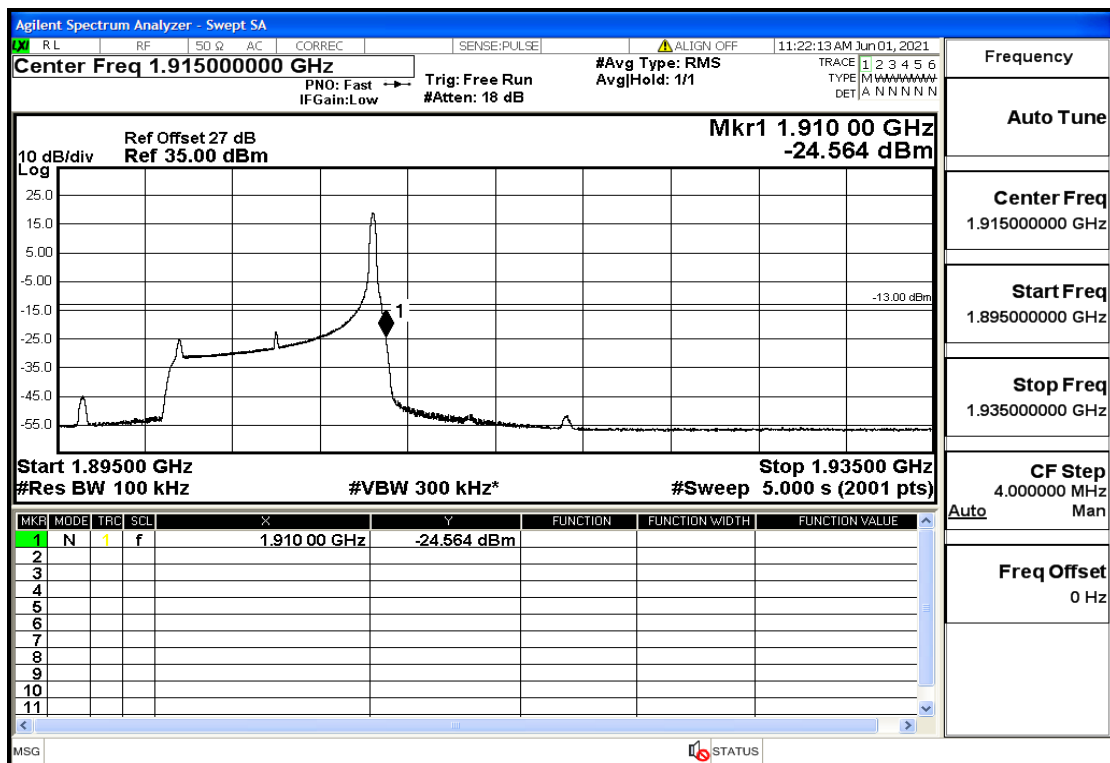
Band2-10-1905-QPSK-1#HIGH@Pass



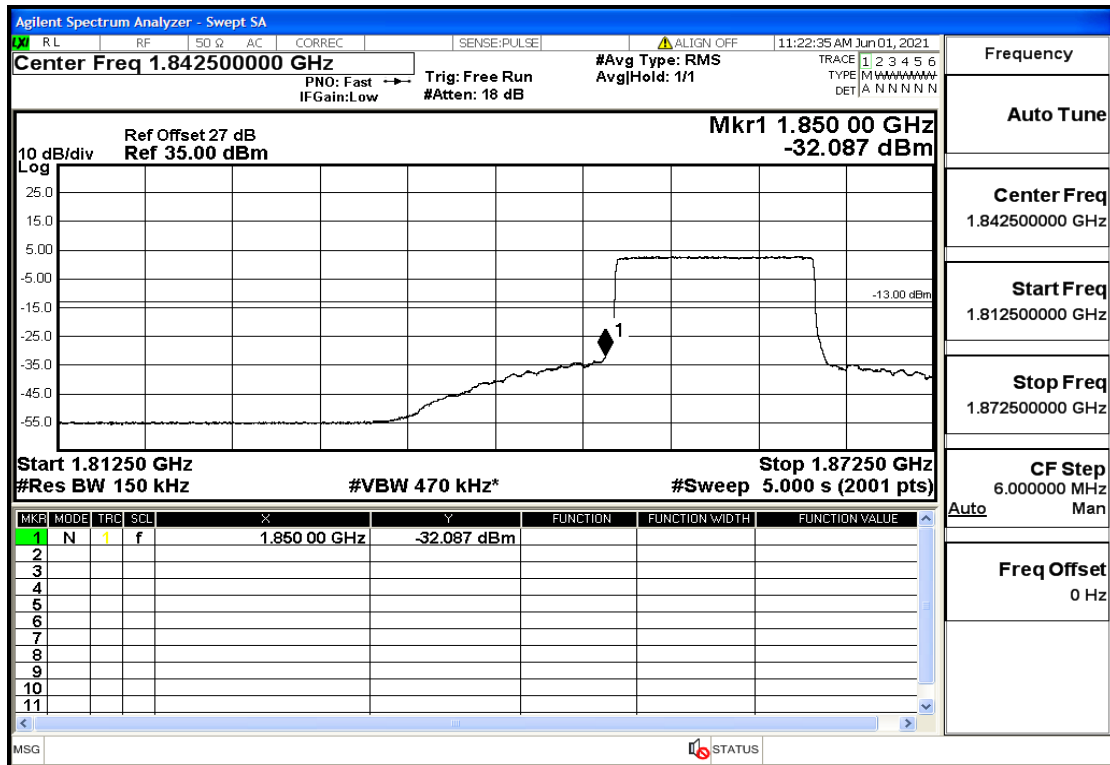
Band2-10-1905-16QAM-50#LOW@Pass



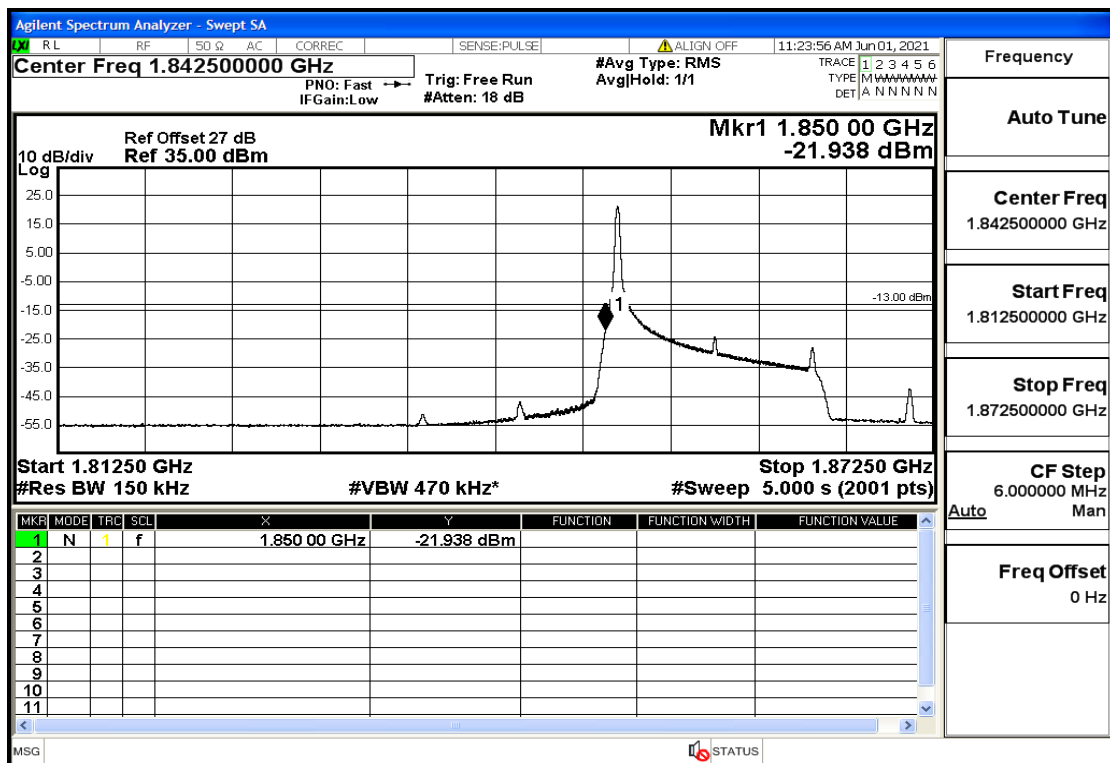
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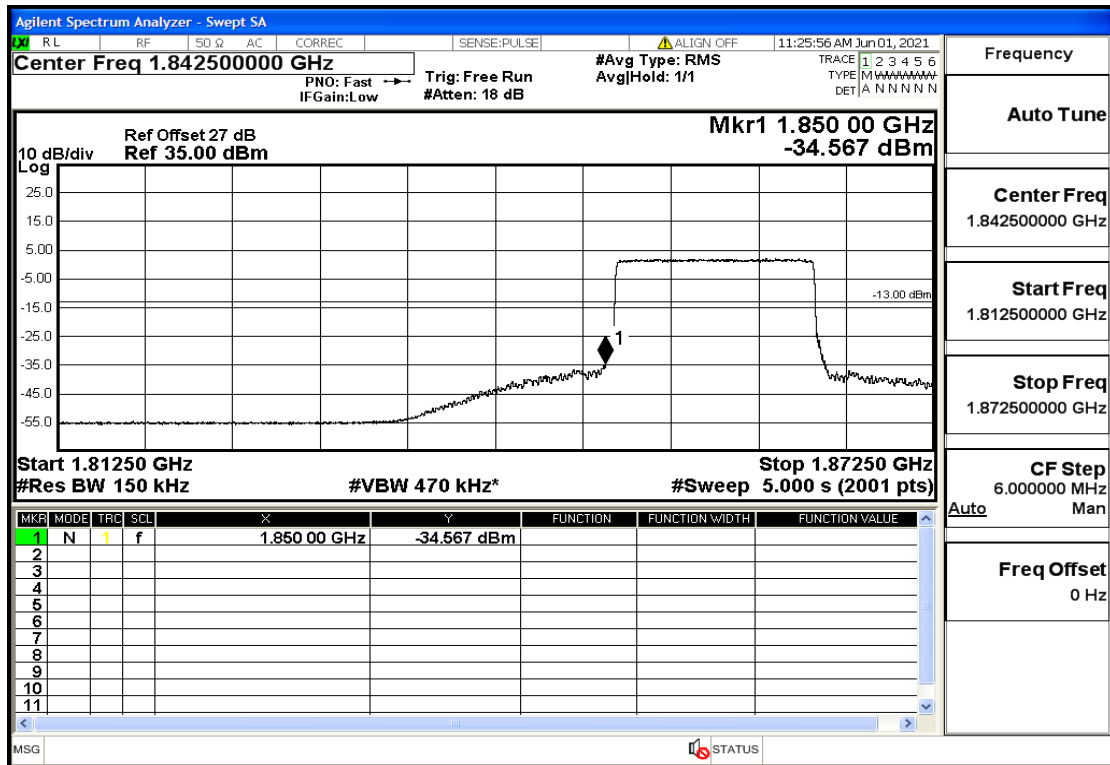
Band2-15-1857.5-QPSK-75#LOW@Pass



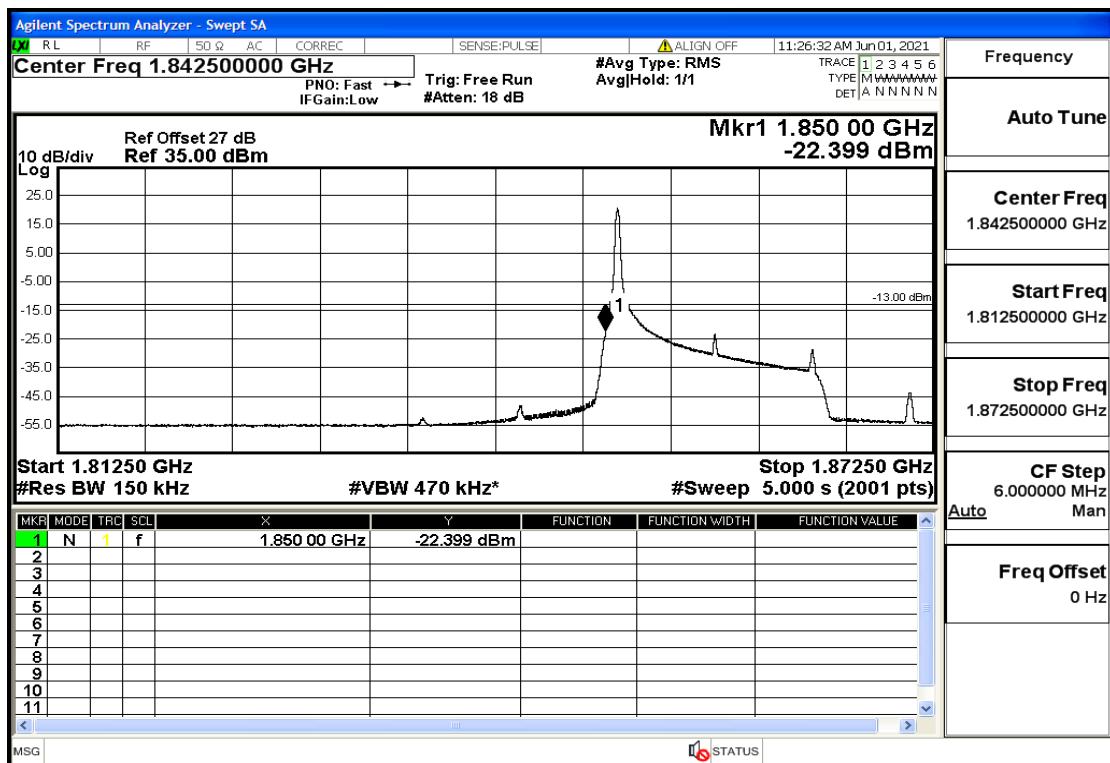
Band2-15-1857.5-QPSK-1#LOW@Pass



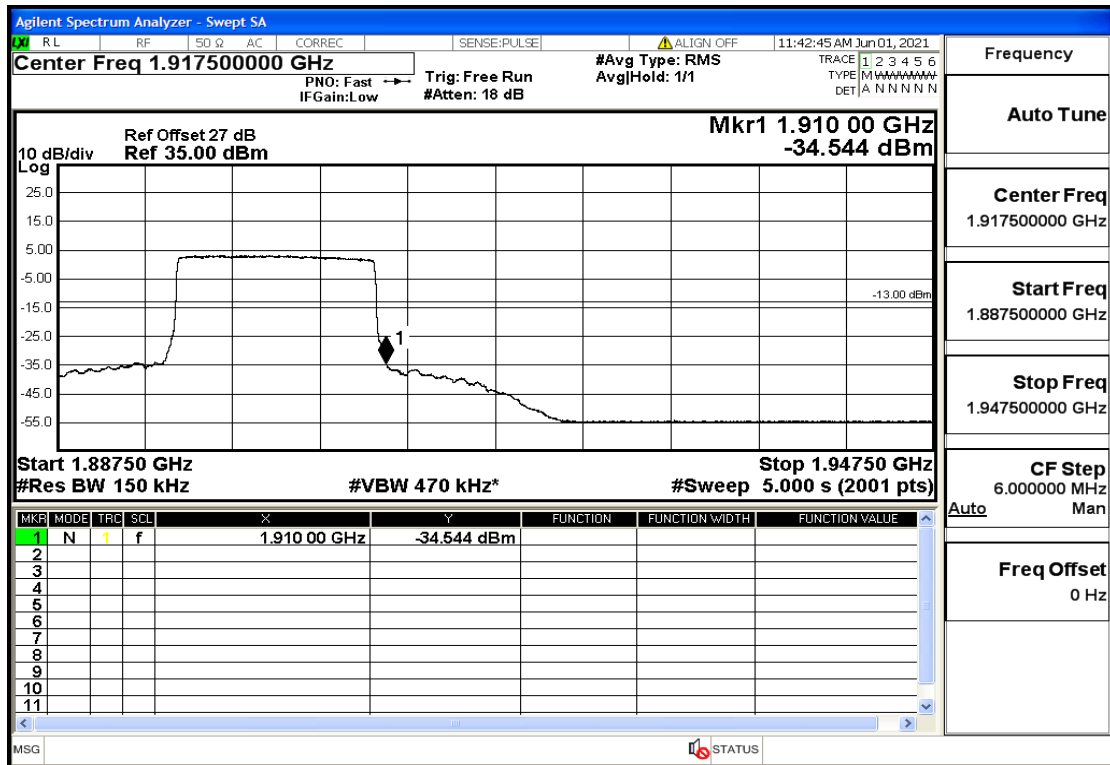
Band2-15-1857.5-16QAM-75#LOW@Pass



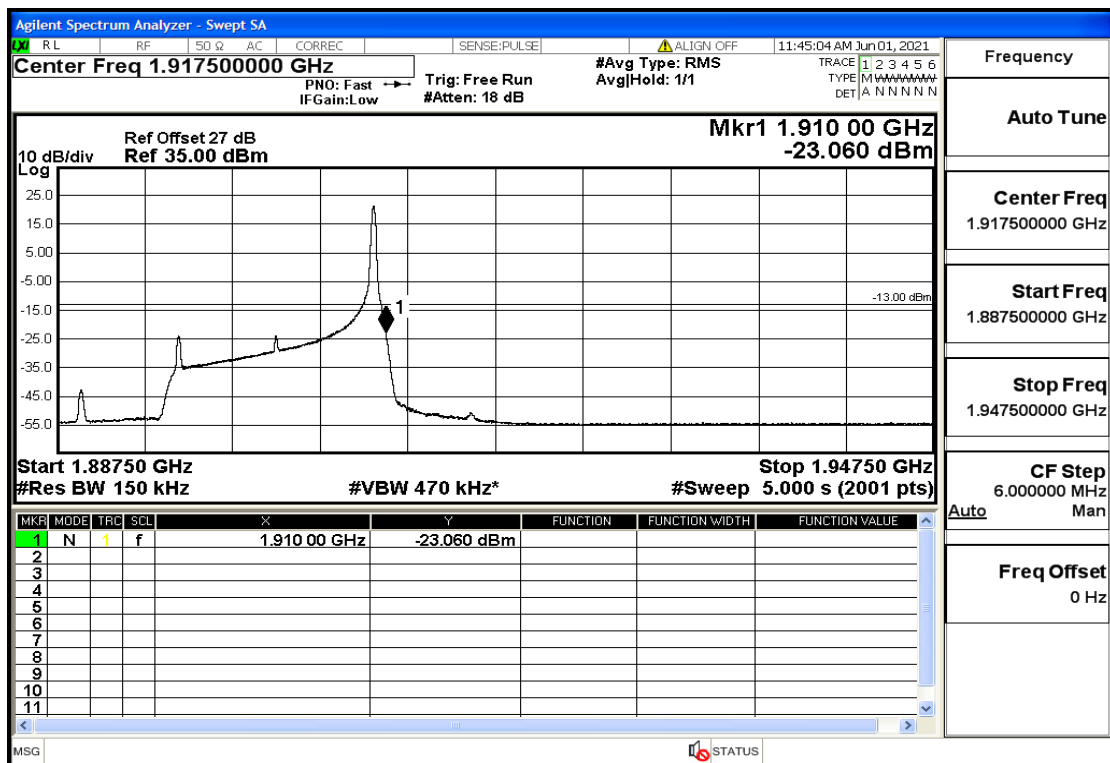
Band2-15-1857.5-16QAM-1#LOW@Pass



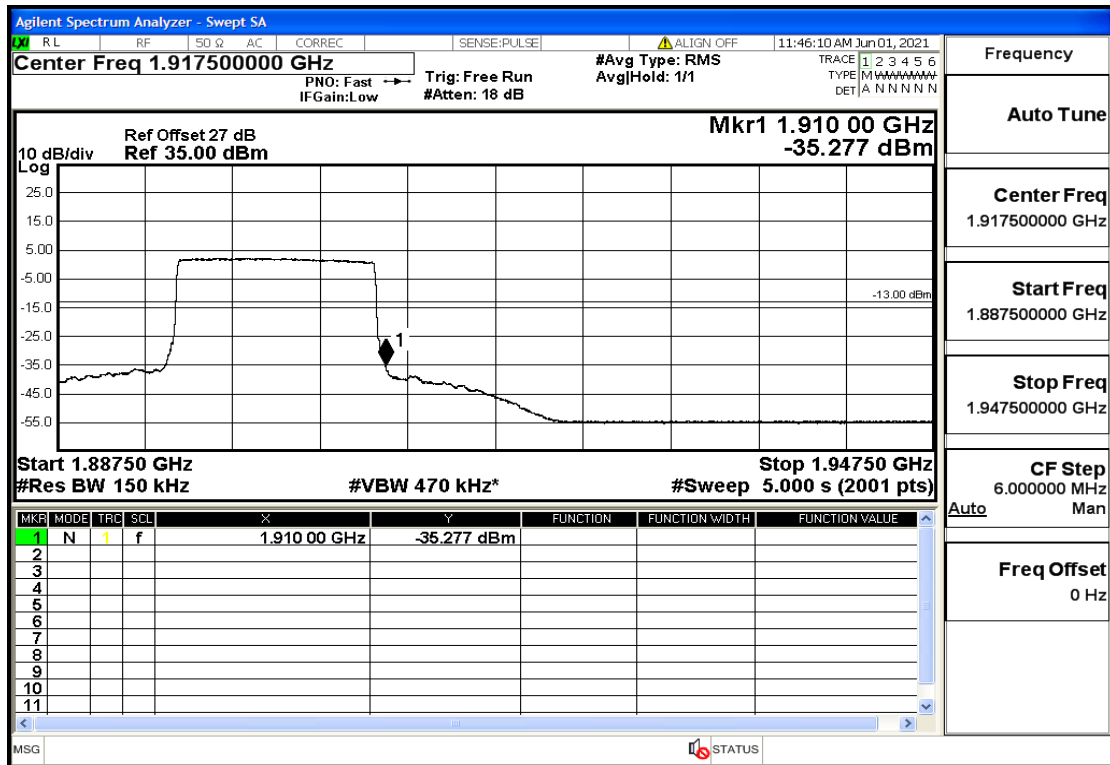
Band2-15-1902.5-QPSK-75#LOW@Pass



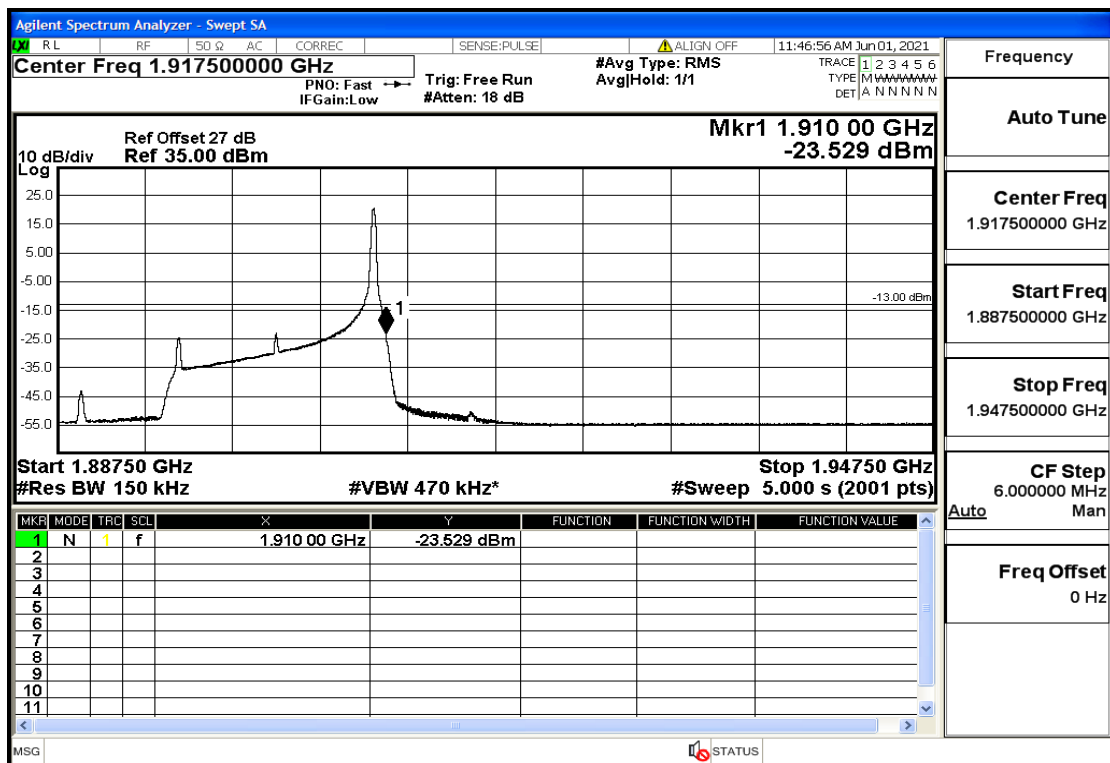
Band2-15-1902.5-QPSK-1#HIGH@Pass



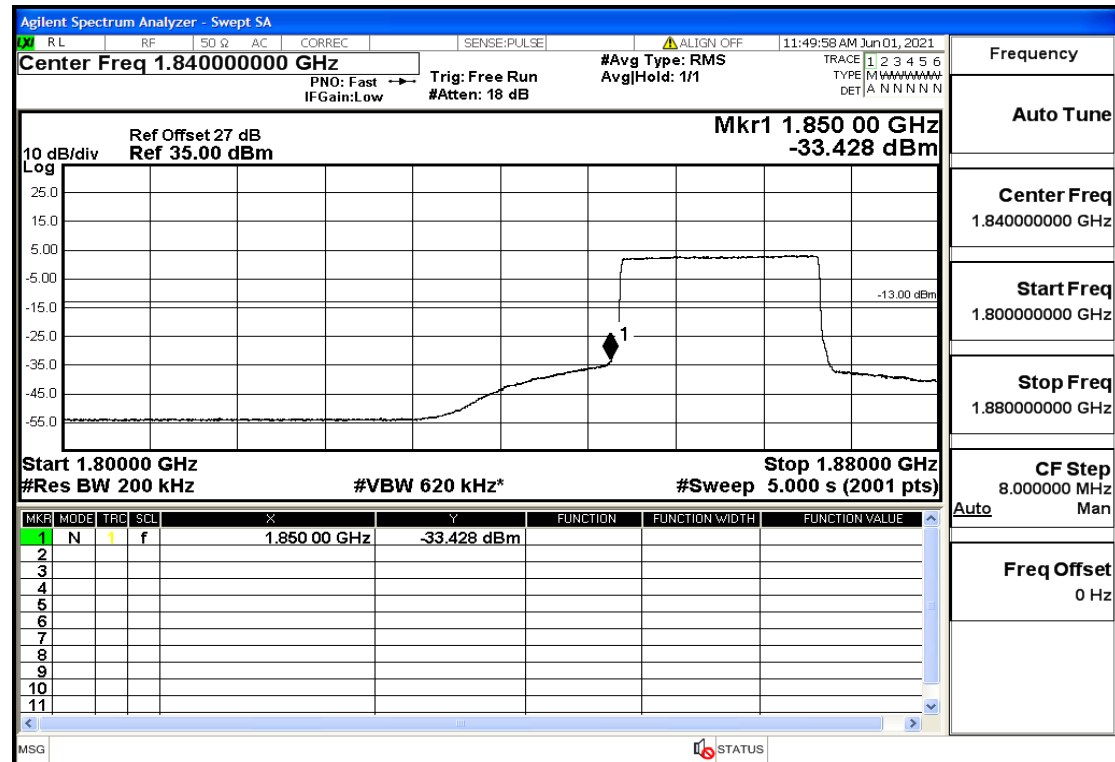
Band2-15-1902.5-16QAM-75#LOW@Pass



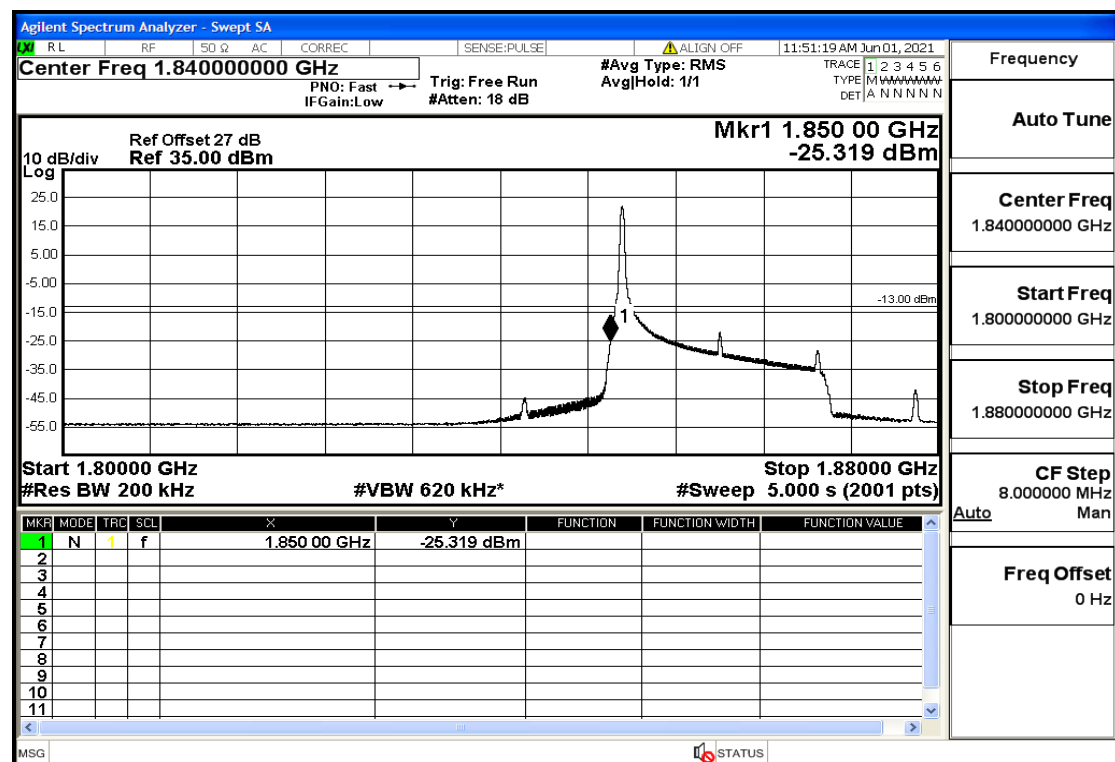
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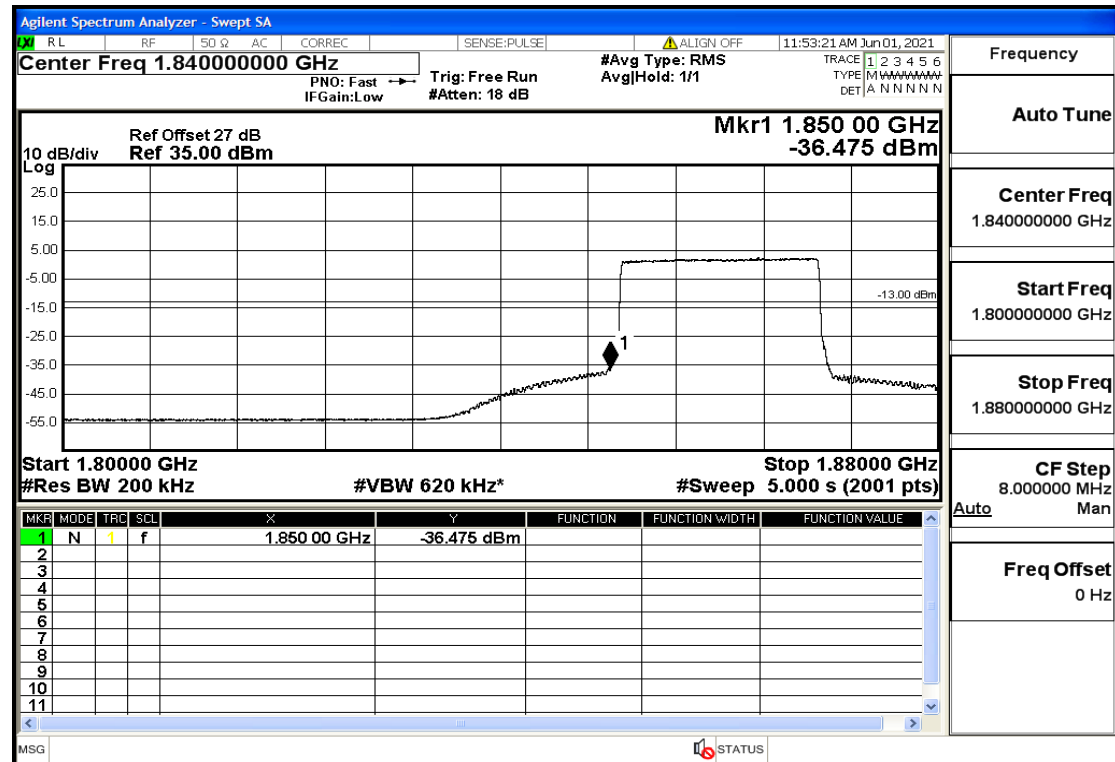
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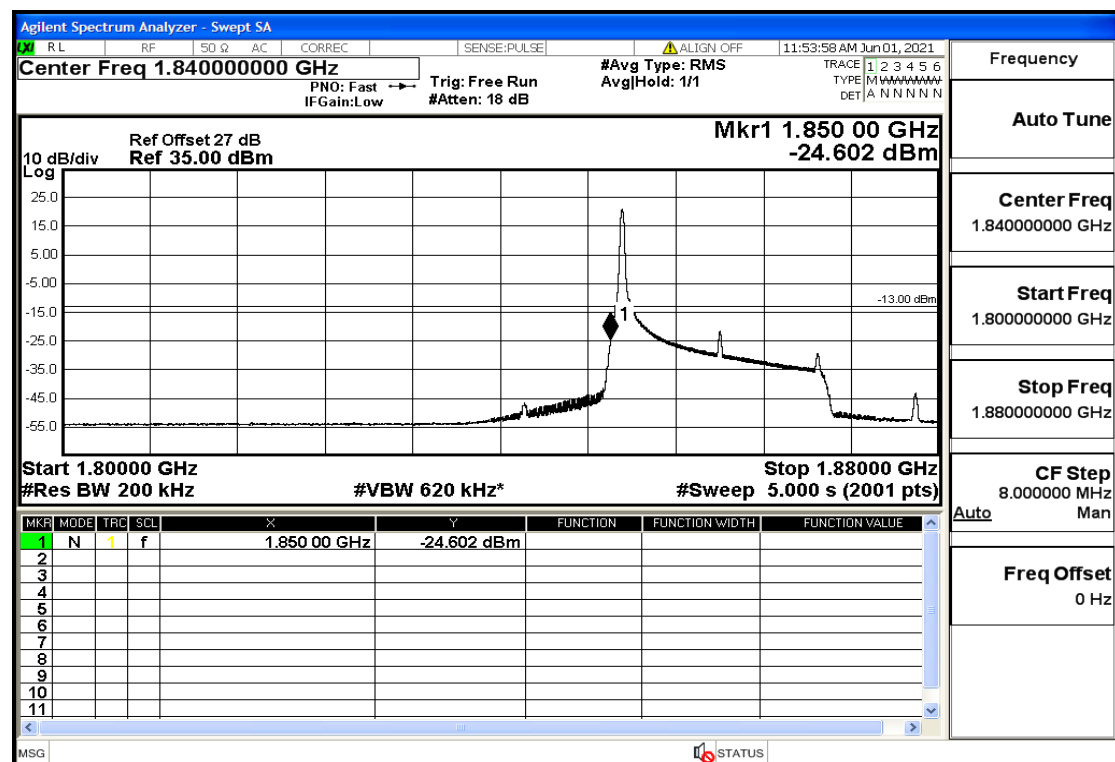
Band2-20-1860-QPSK-1#LOW@Pass



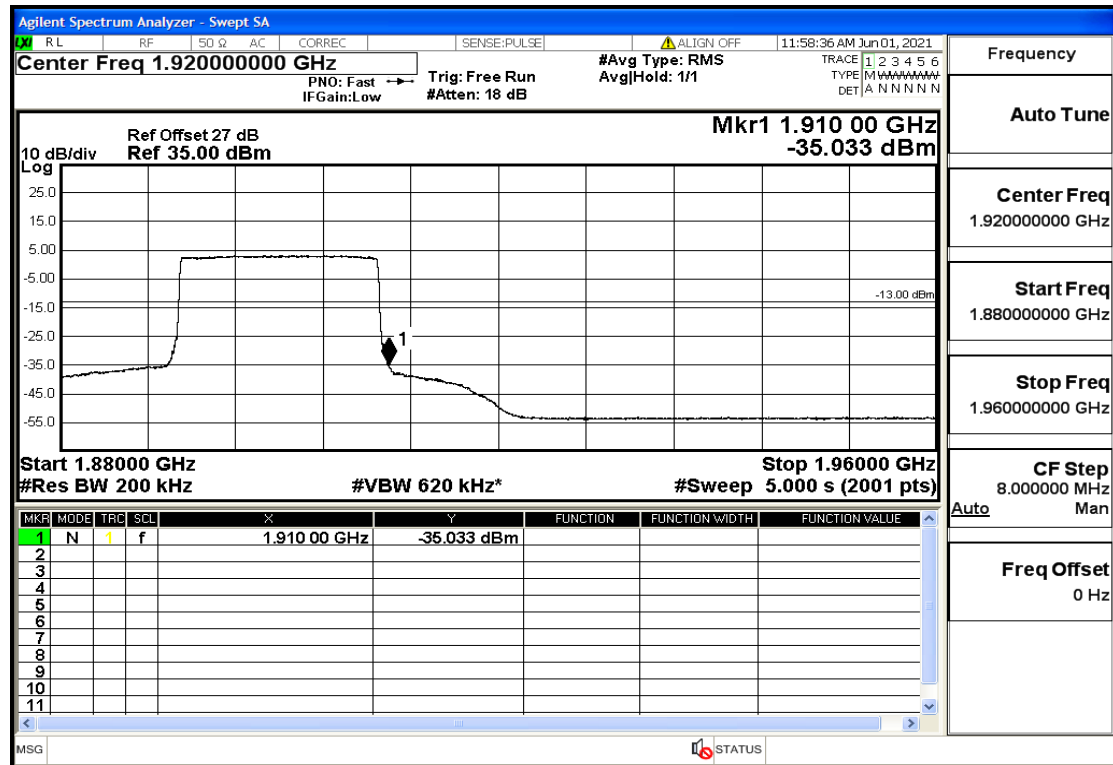
Band2-20-1860-16QAM-100#LOW@Pass



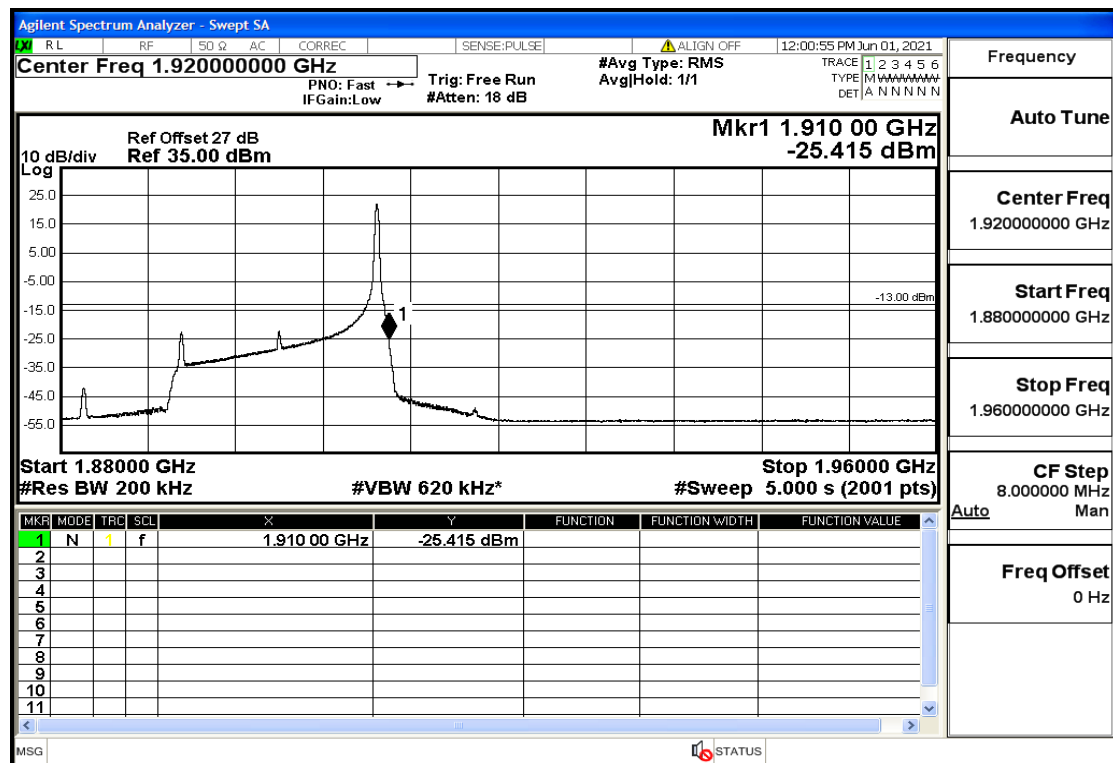
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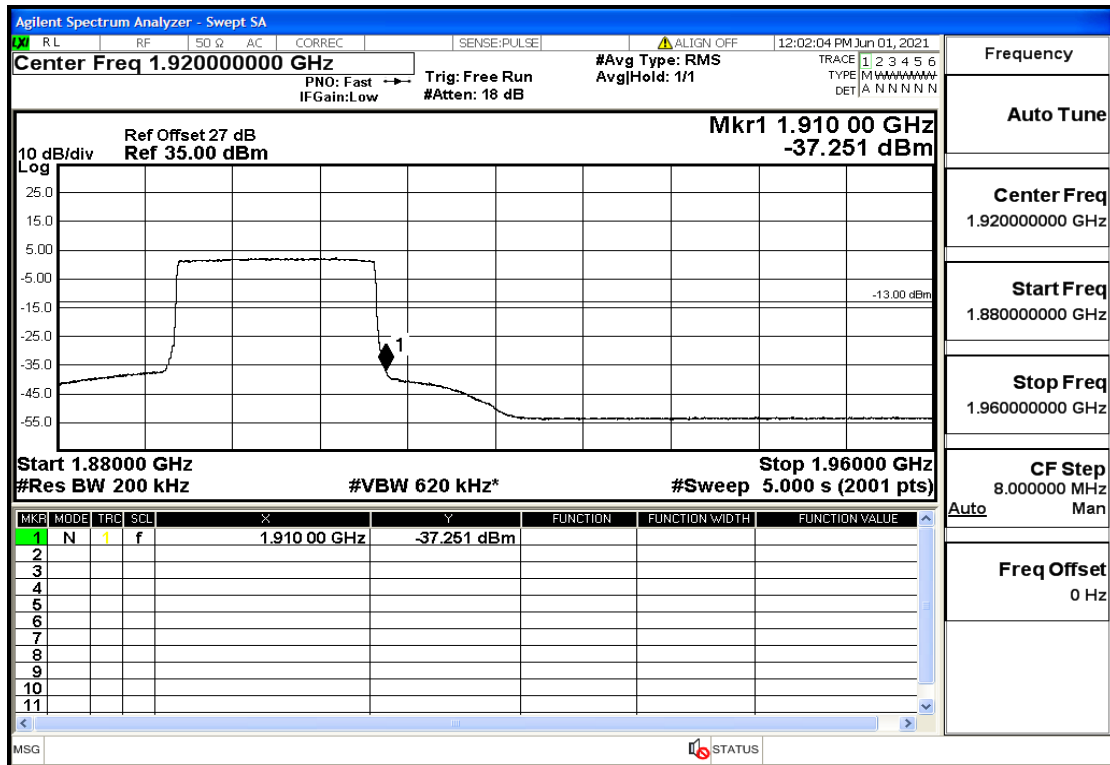
Band2-20-1900-QPSK-100#LOW@Pass



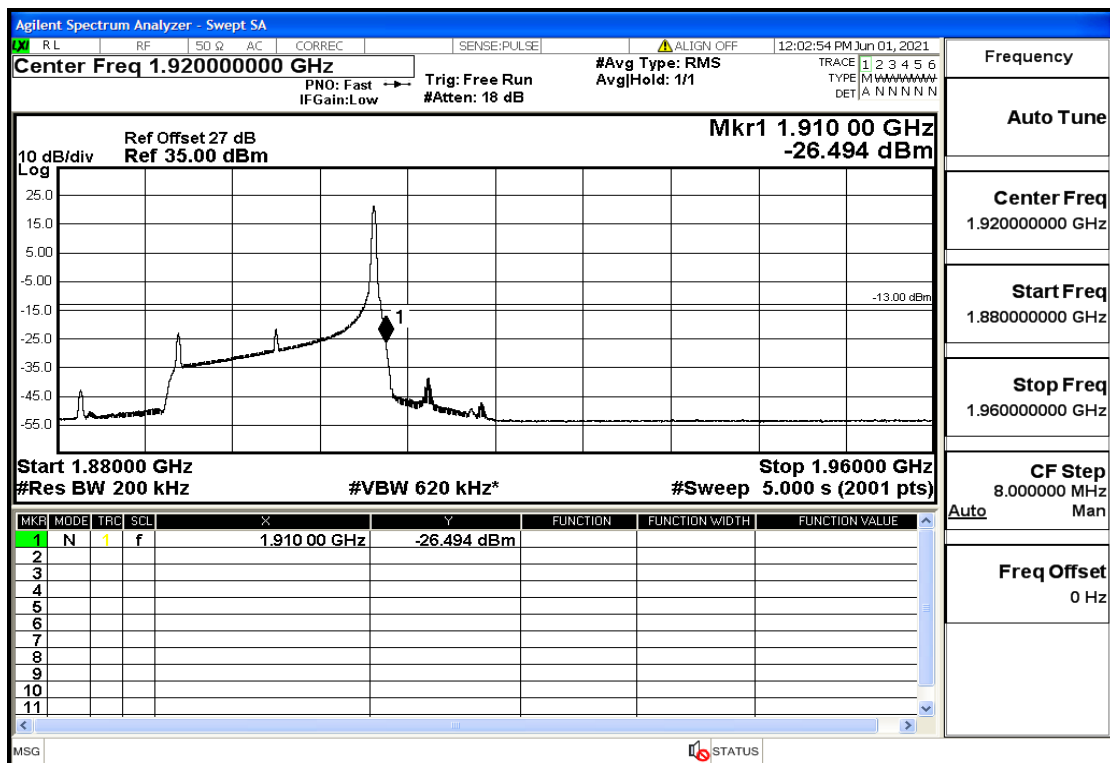
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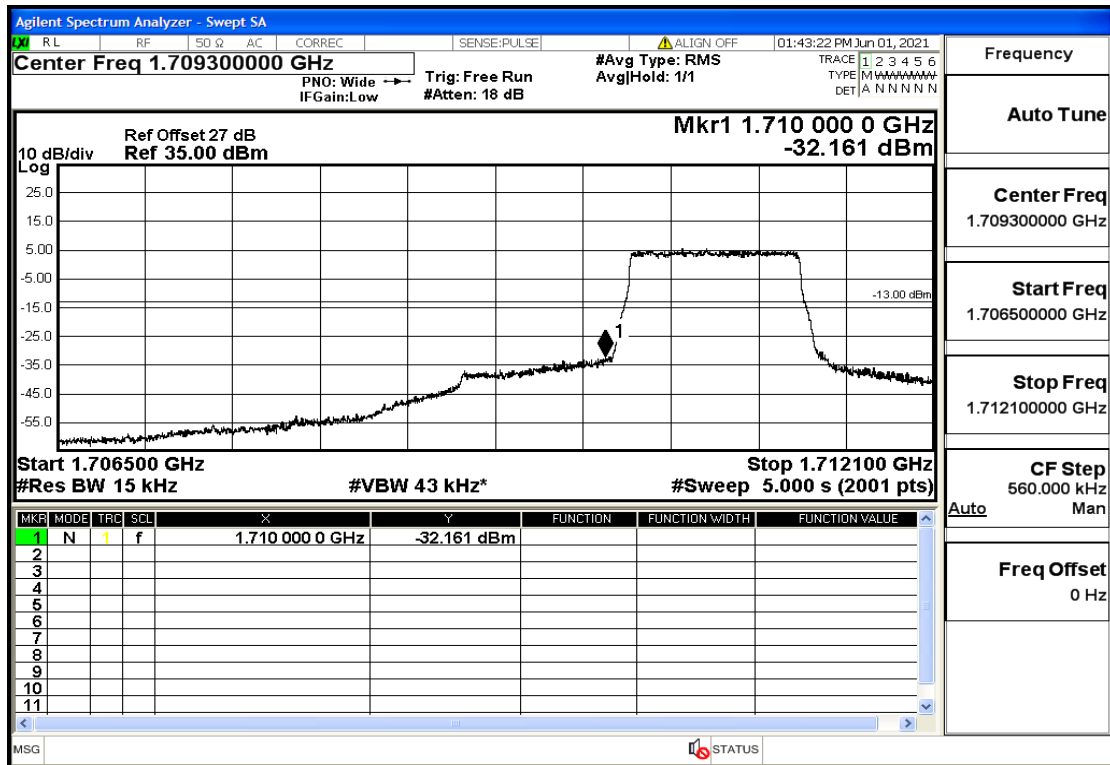
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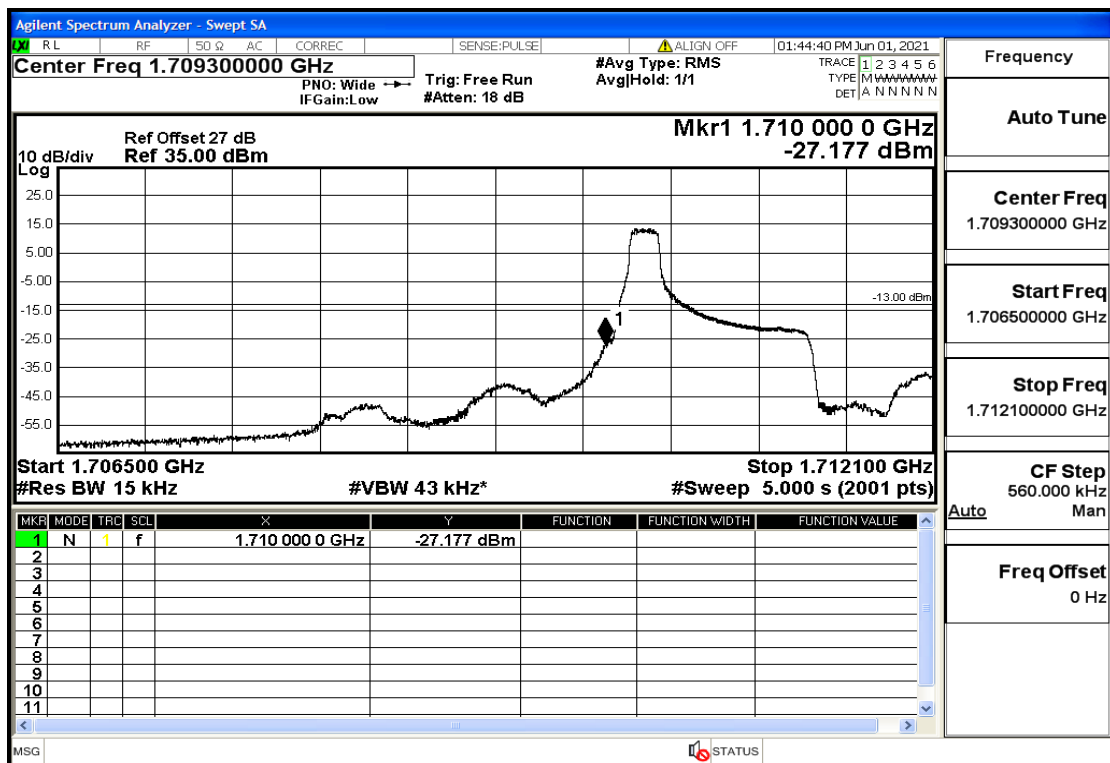
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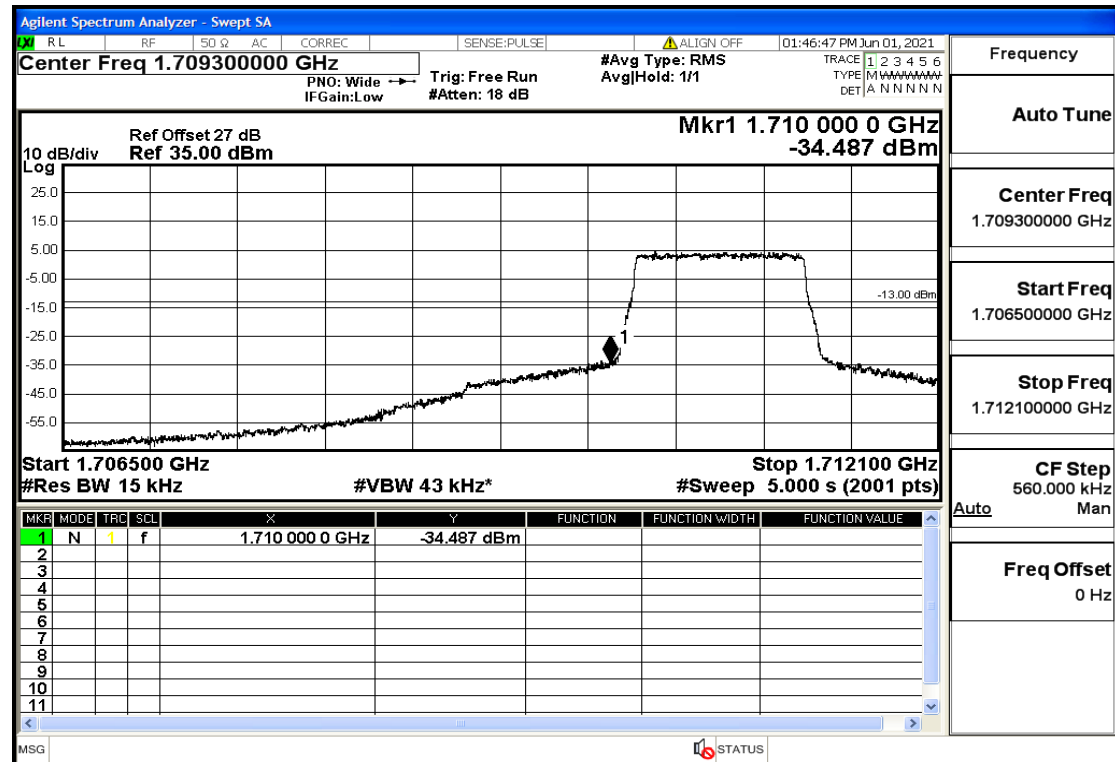
Band4-1.4-1710.7-QPSK-6#LOW@Pass



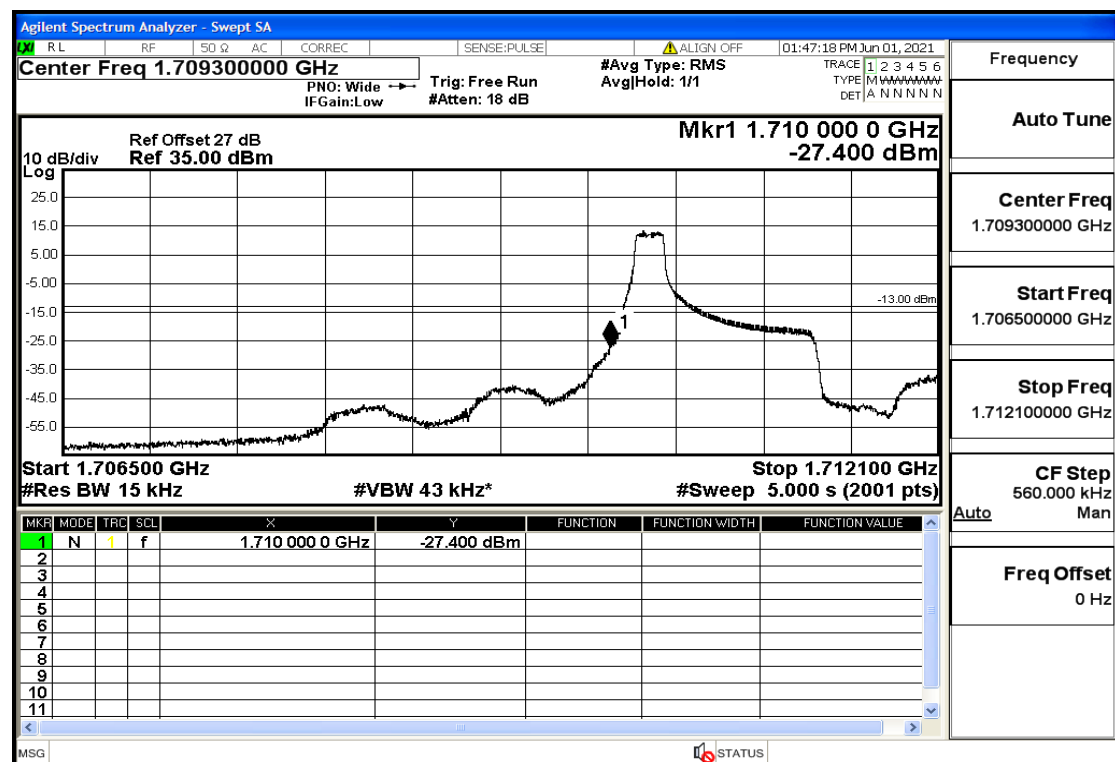
Band4-1.4-1710.7-QPSK-1#LOW@Pass



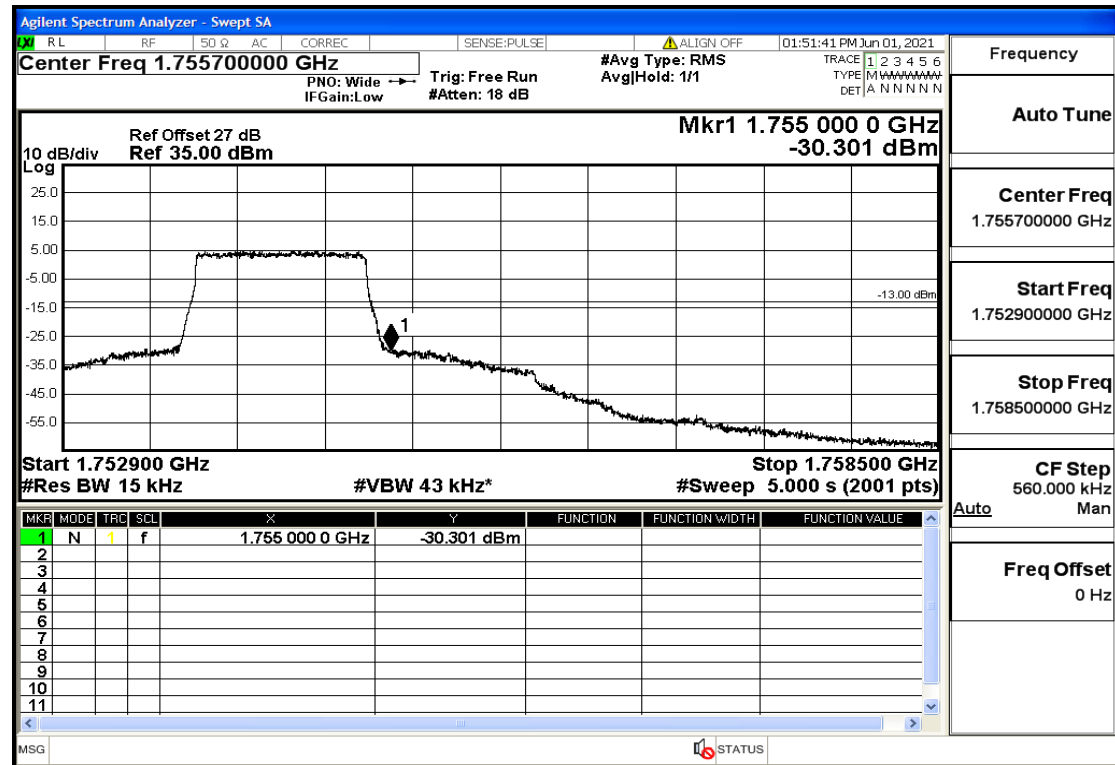
Band4-1.4-1710.7-16QAM-6#LOW@Pass



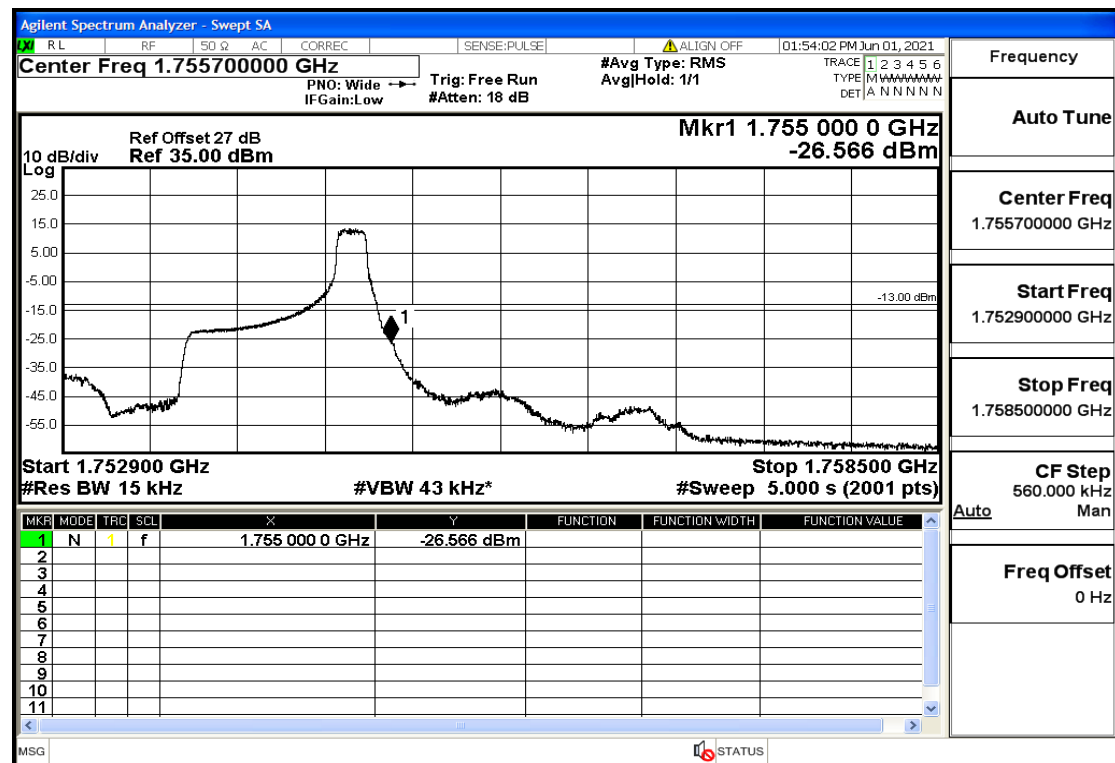
Band4-1.4-1710.7-16QAM-1#LOW@Pass



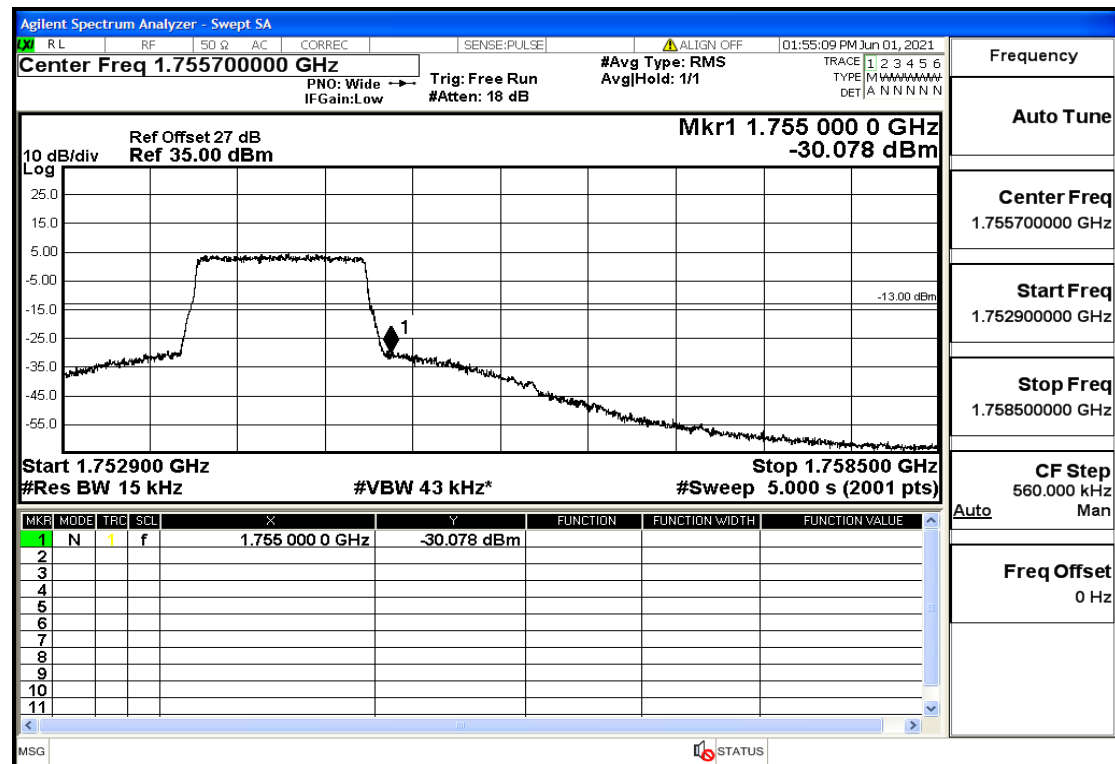
Band4-1.4-1754.3-QPSK-6#LOW@Pass



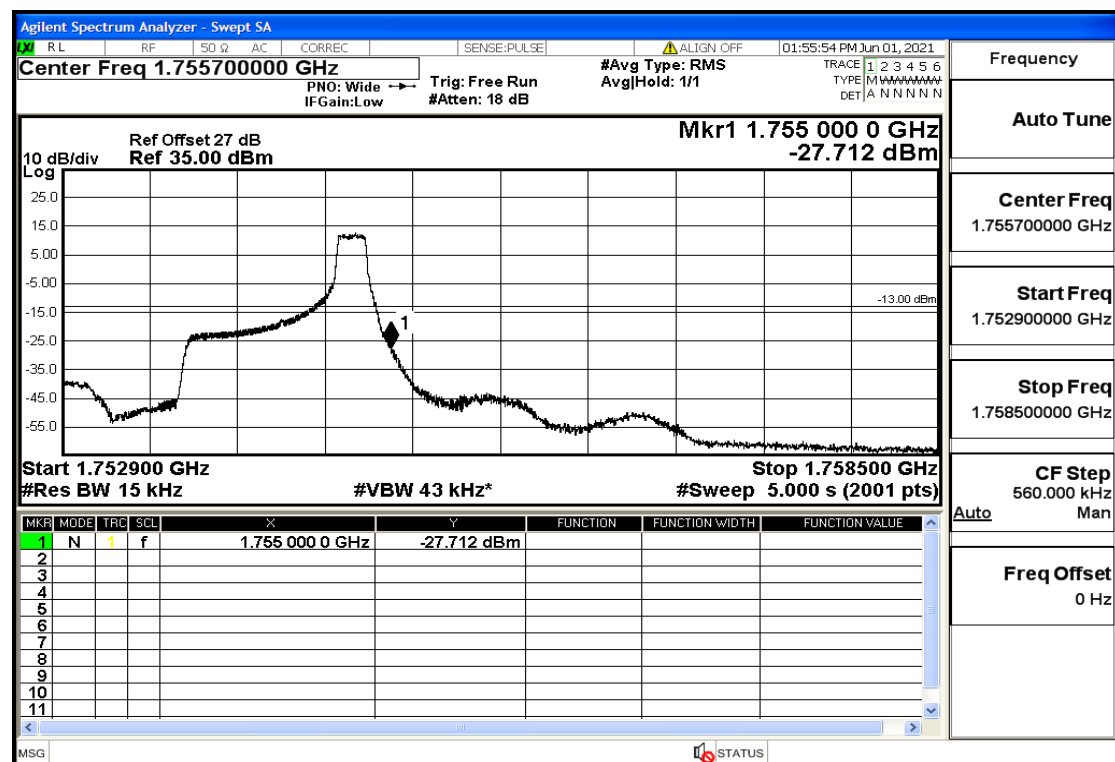
Band4-1.4-1754.3-QPSK-1#HIGH@Pass



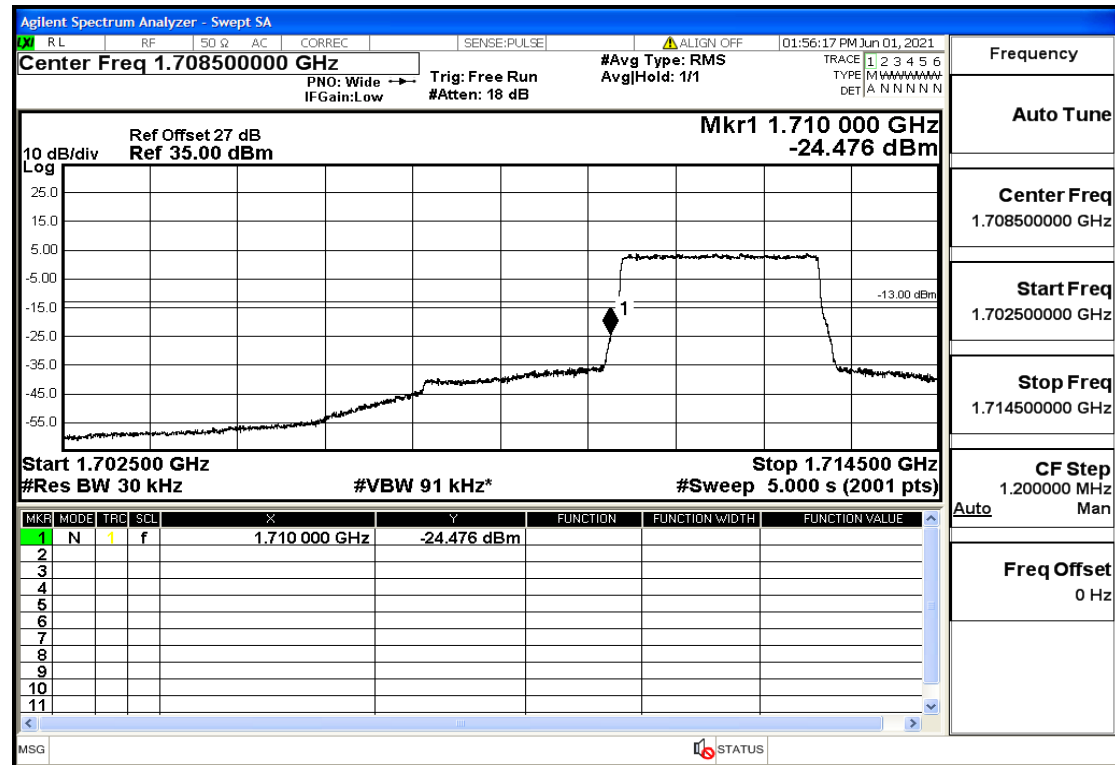
Band4-1.4-1754.3-16QAM-6#LOW@Pass



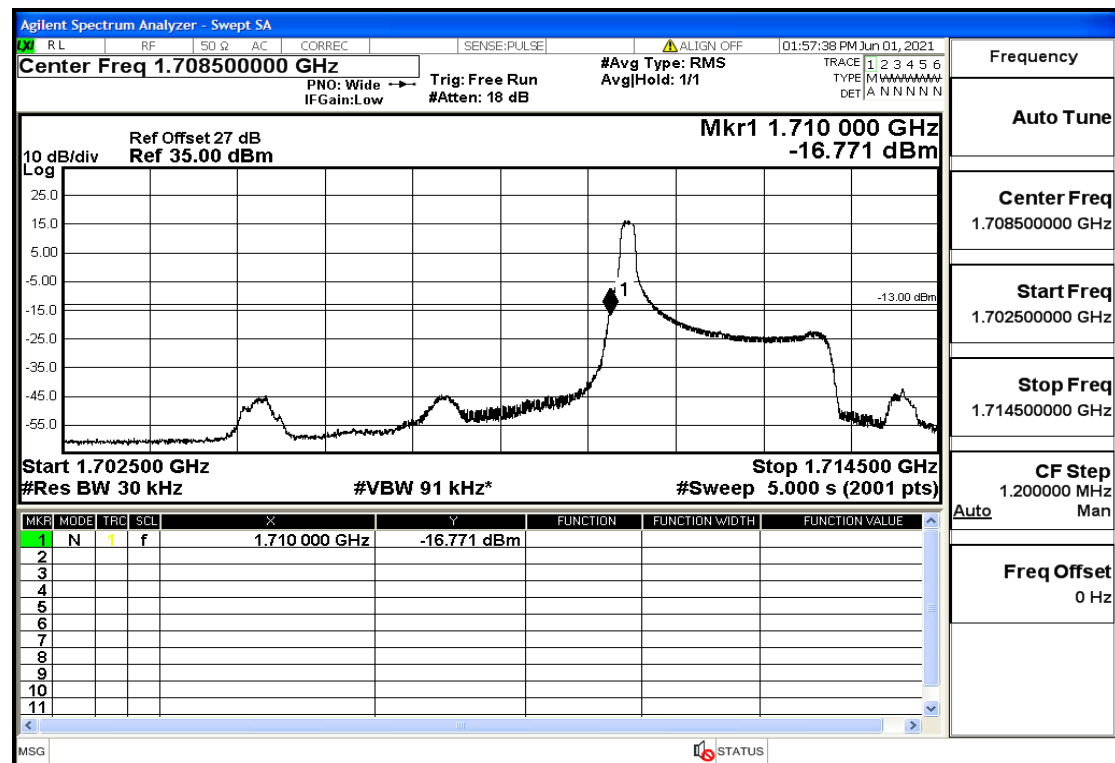
Band4-1.4-1754.3-16QAM-1#HIGH@Pass



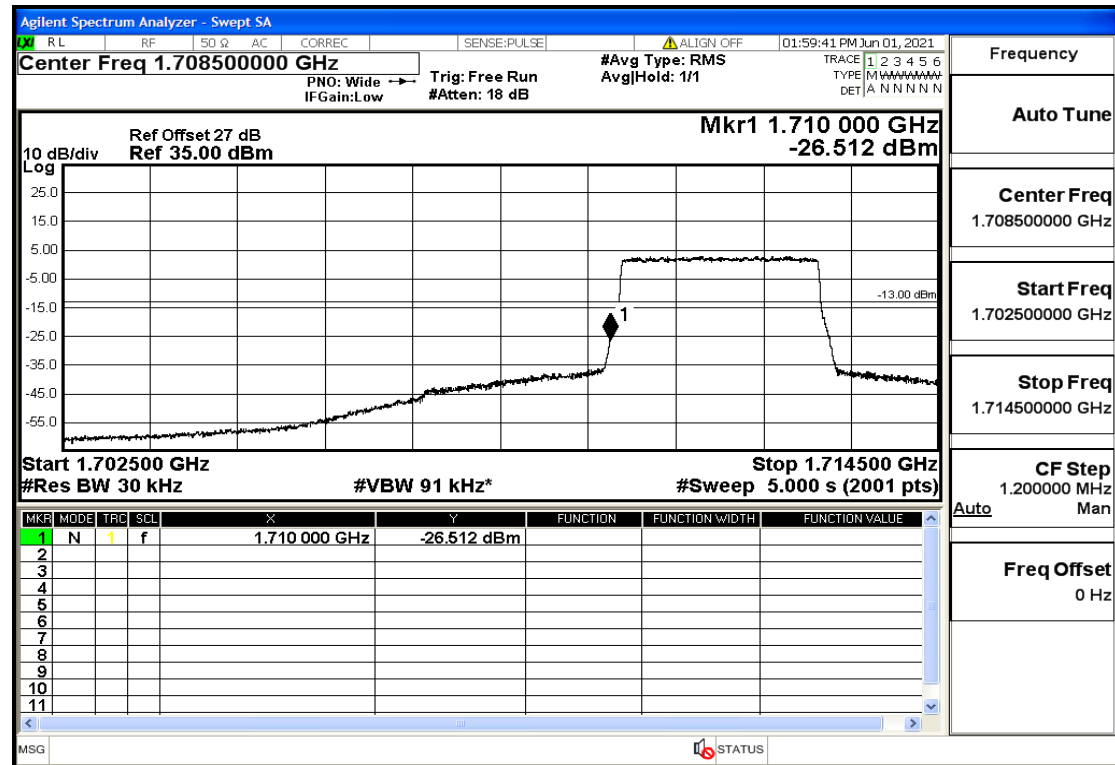
Band4-3-1711.5-QPSK-15#LOW@Pass



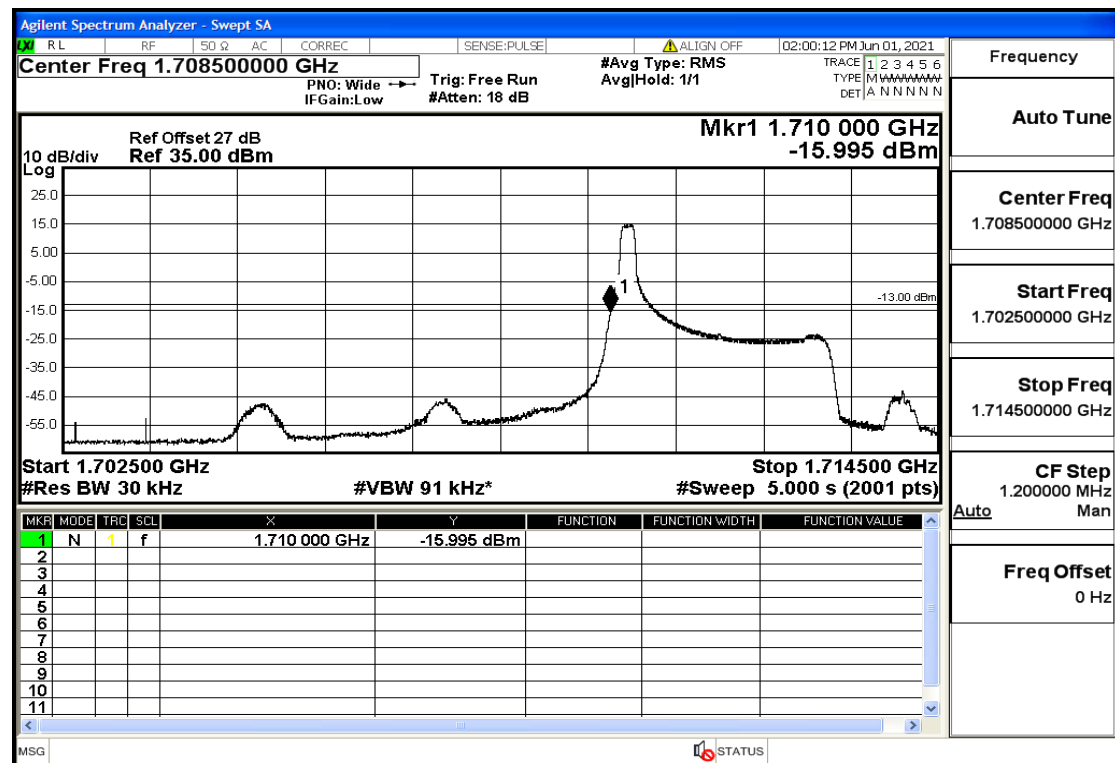
Band4-3-1711.5-QPSK-1#LOW@Pass



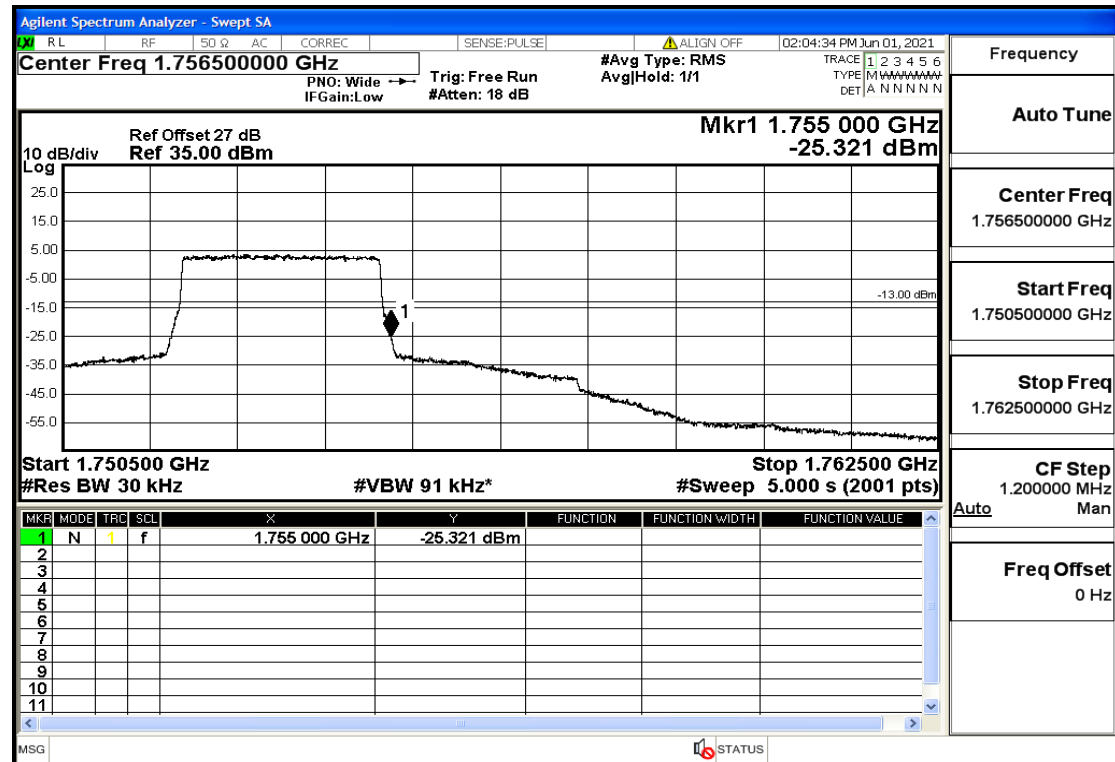
Band4-3-1711.5-16QAM-15#LOW@Pass



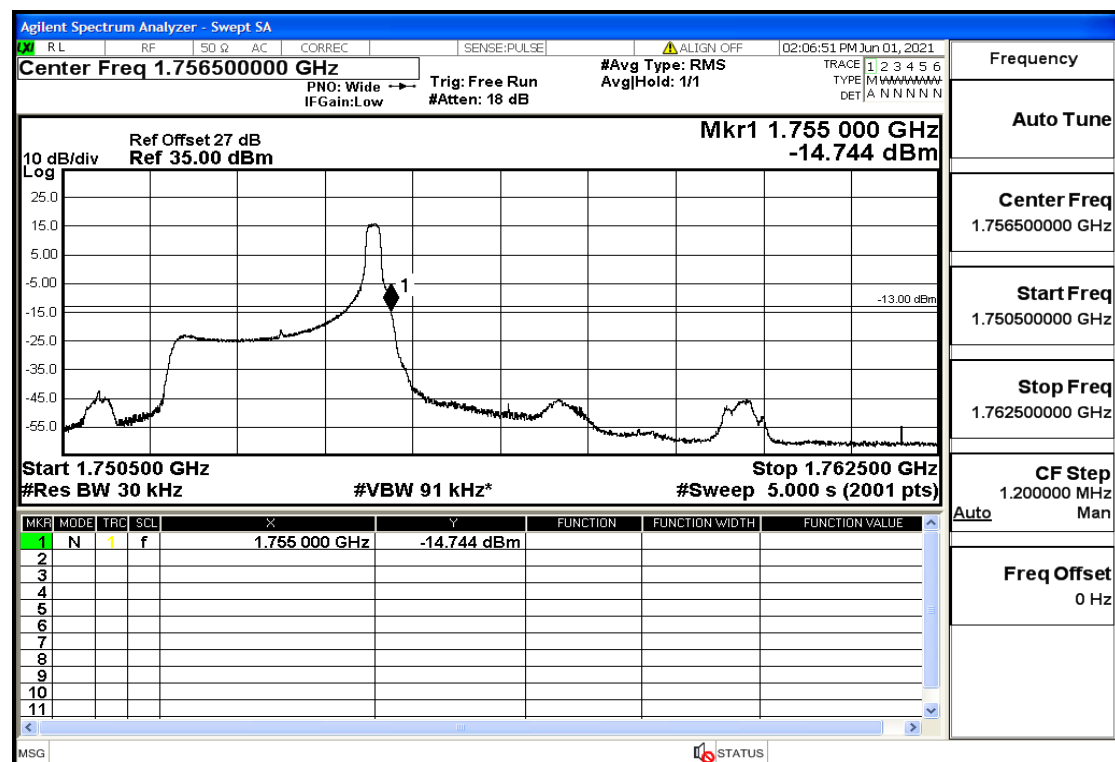
Band4-3-1711.5-16QAM-1#LOW@Pass



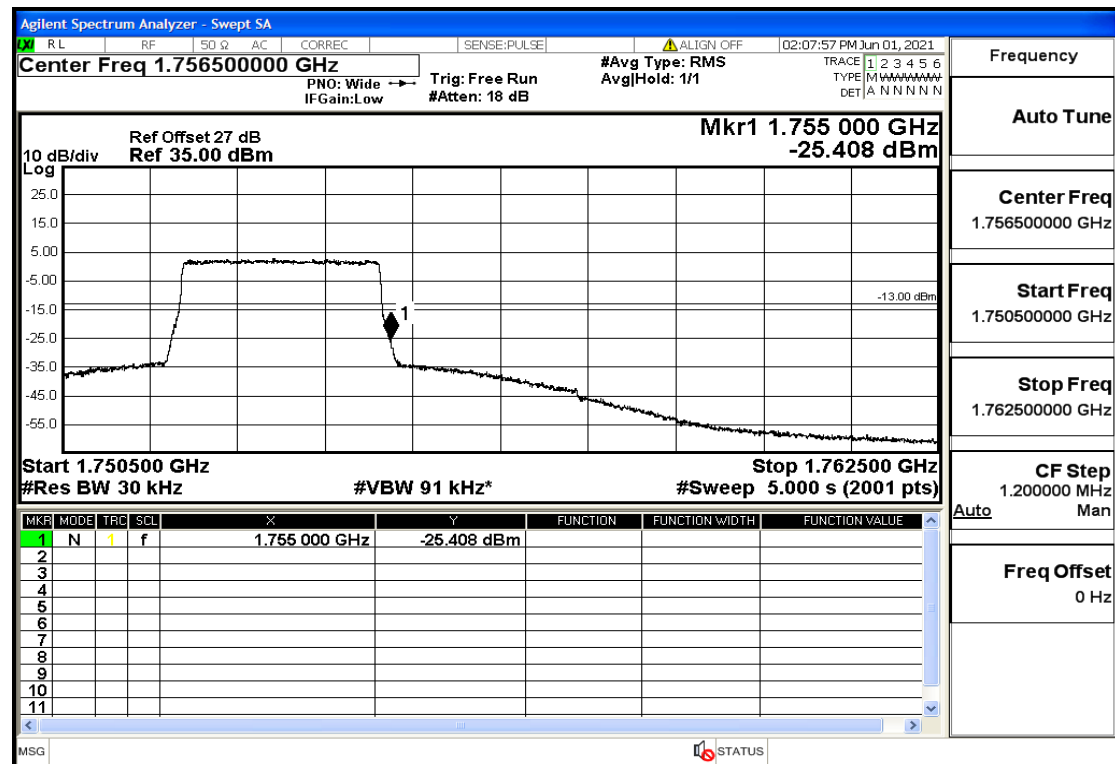
Band4-3-1753.5-QPSK-15#LOW@Pass



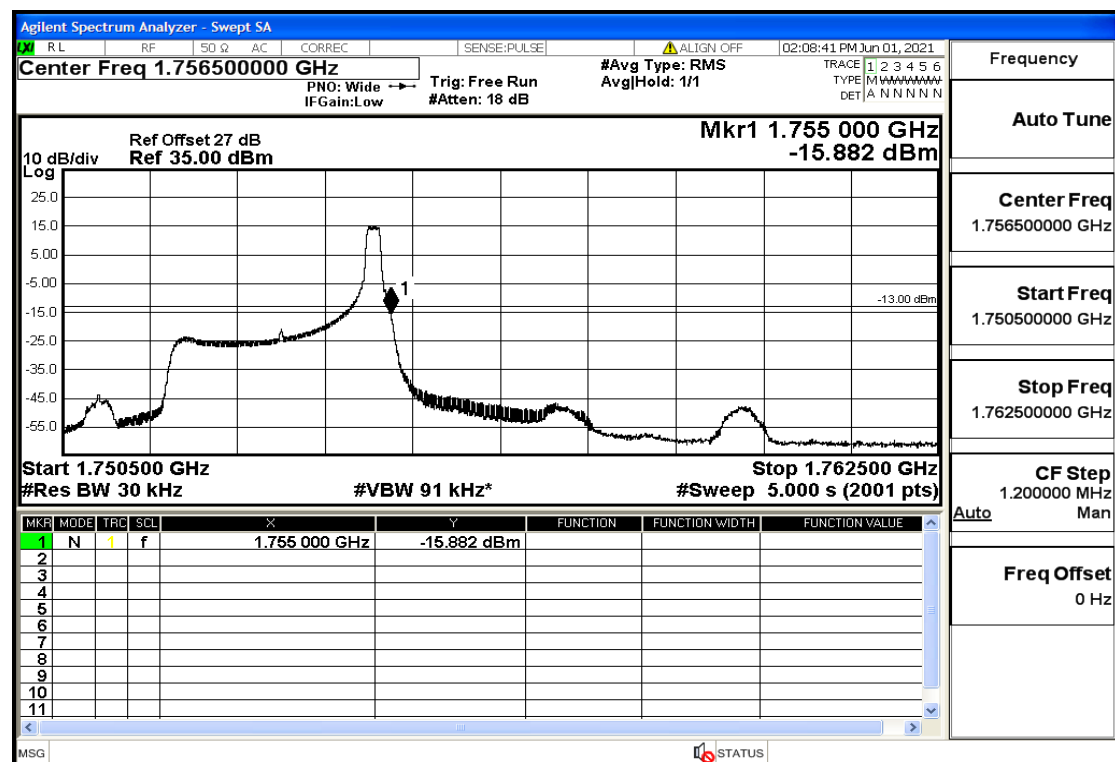
Band4-3-1753.5-QPSK-1#HIGH@Pass



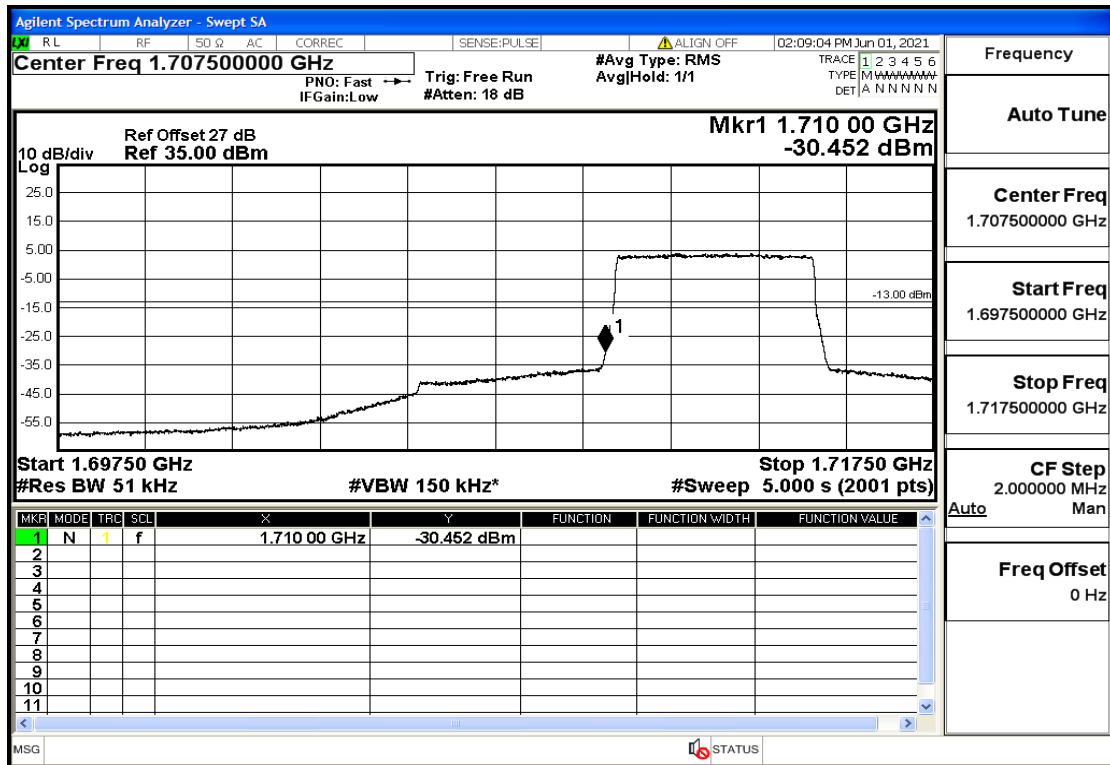
Band4-3-1753.5-16QAM-15#LOW@Pass



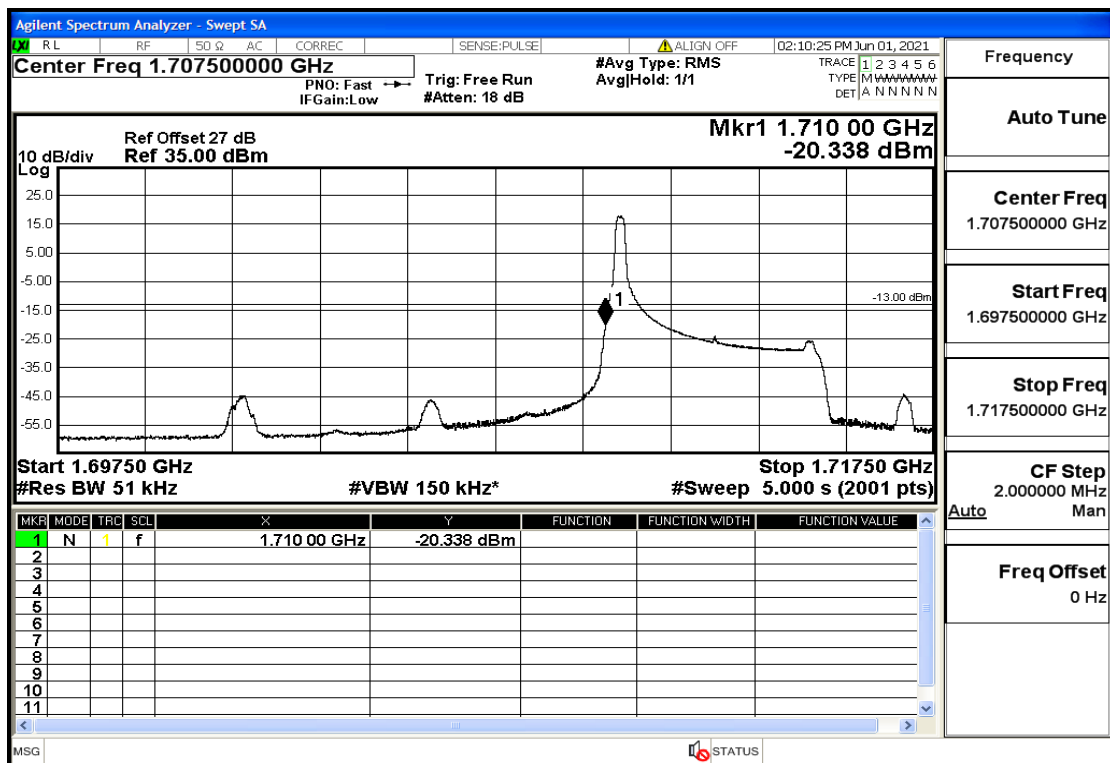
Band4-3-1753.5-16QAM-1#HIGH@Pass



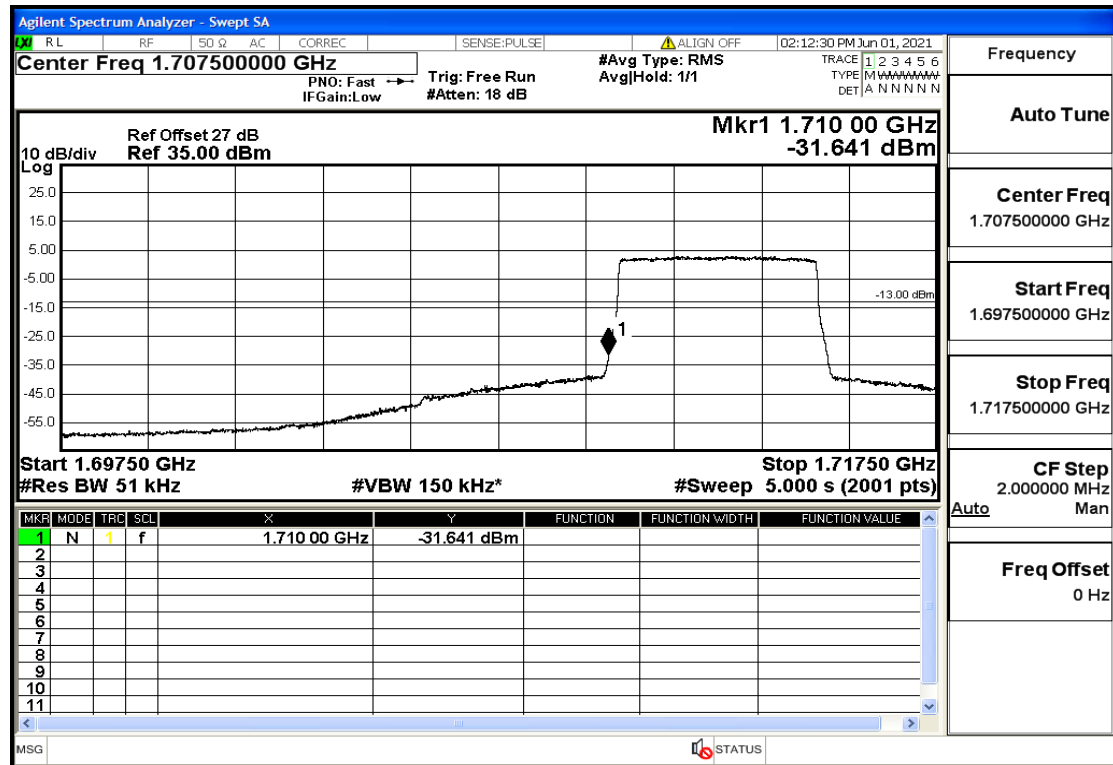
Band4-5-1712.5-QPSK-25#LOW@Pass



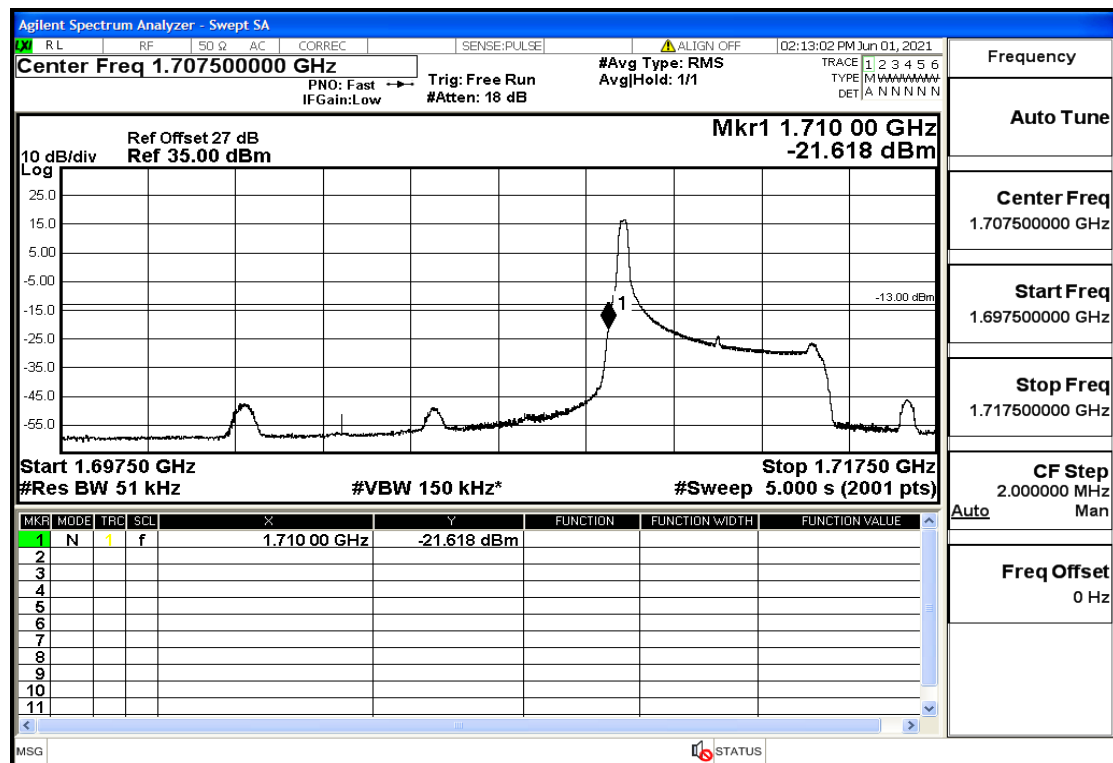
Band4-5-1712.5-QPSK-1#LOW@Pass



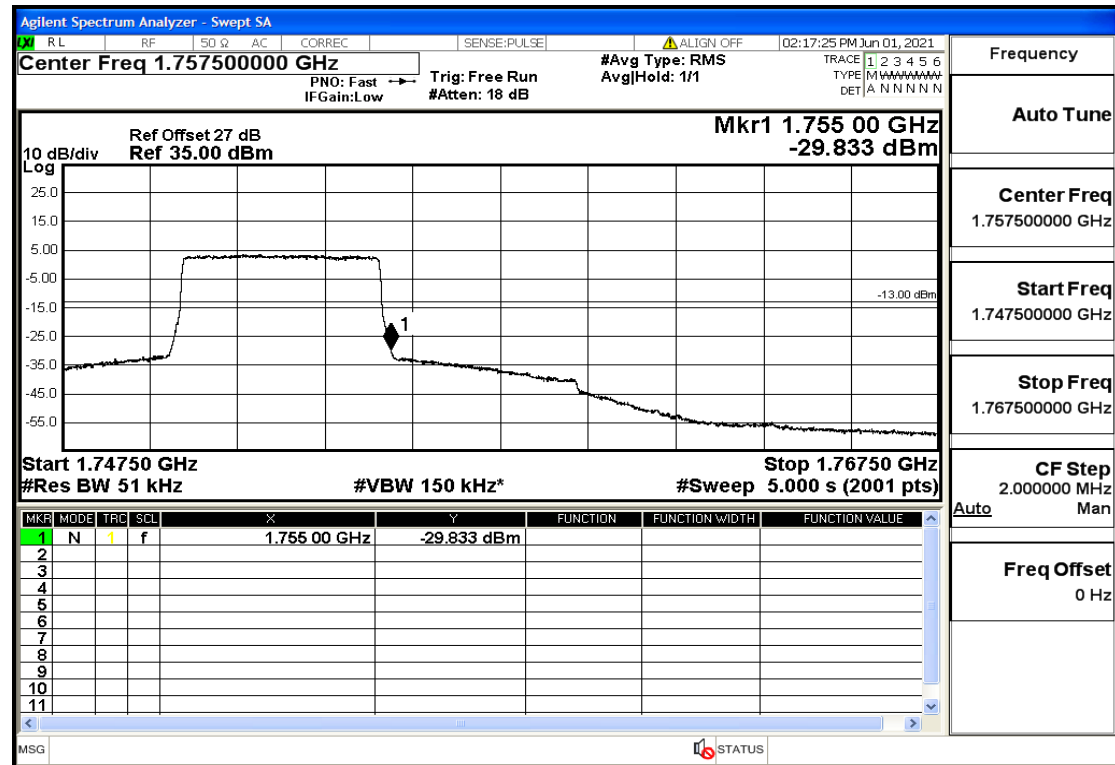
Band4-5-1712.5-16QAM-25#LOW@Pass



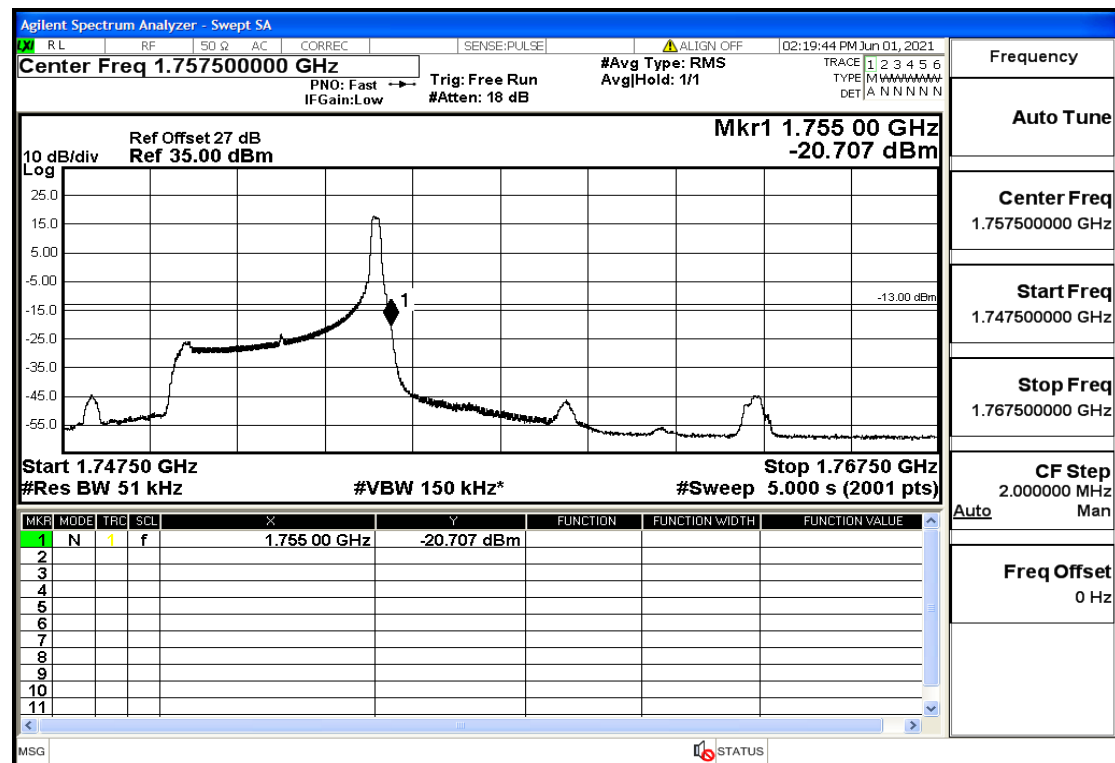
Band4-5-1712.5-16QAM-1#LOW@Pass



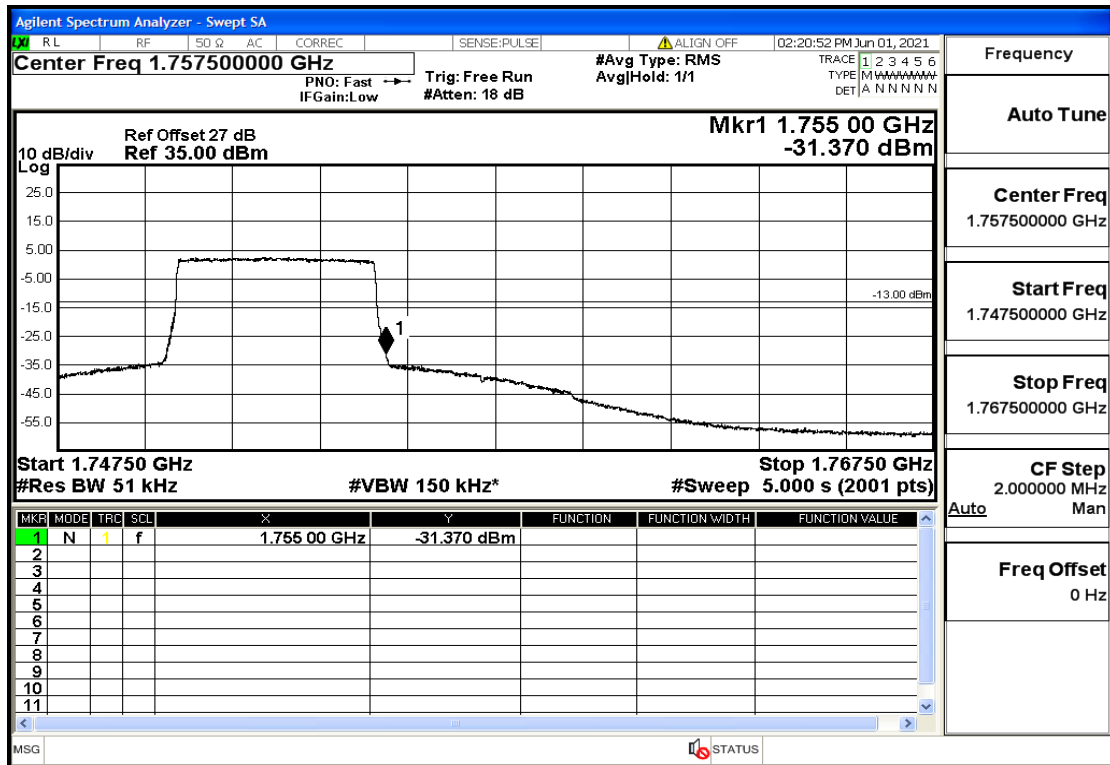
Band4-5-1752.5-QPSK-25#LOW@Pass



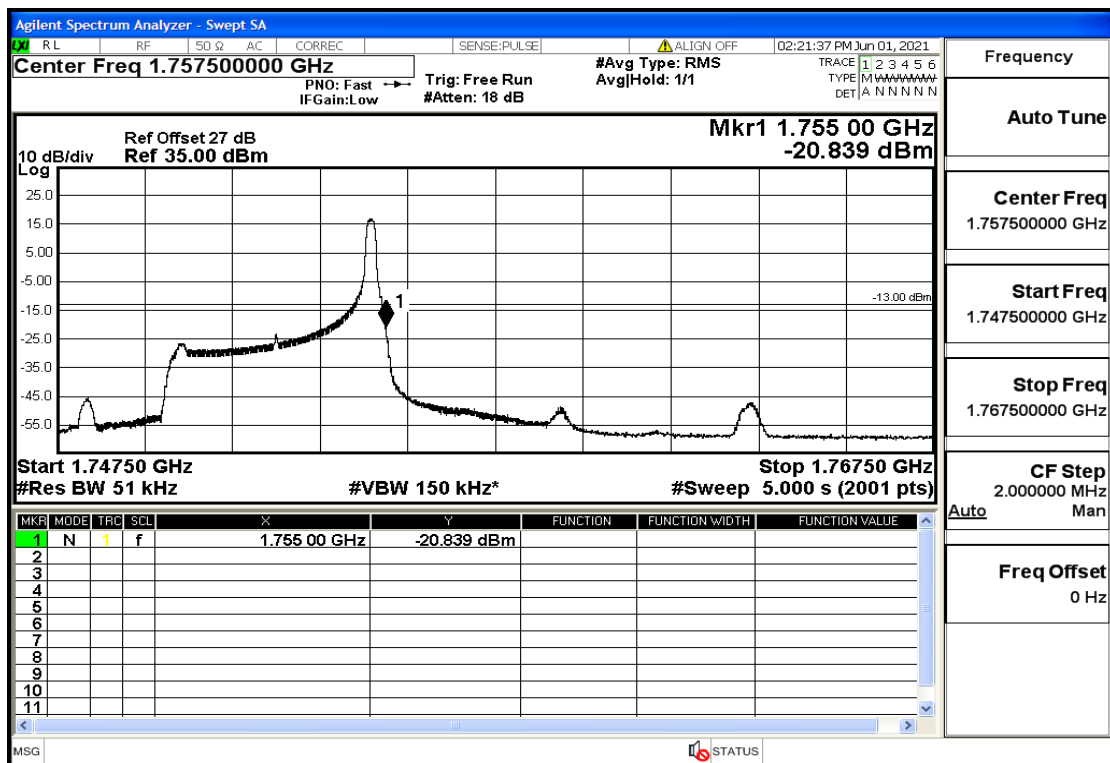
Band4-5-1752.5-QPSK-1#HIGH@Pass



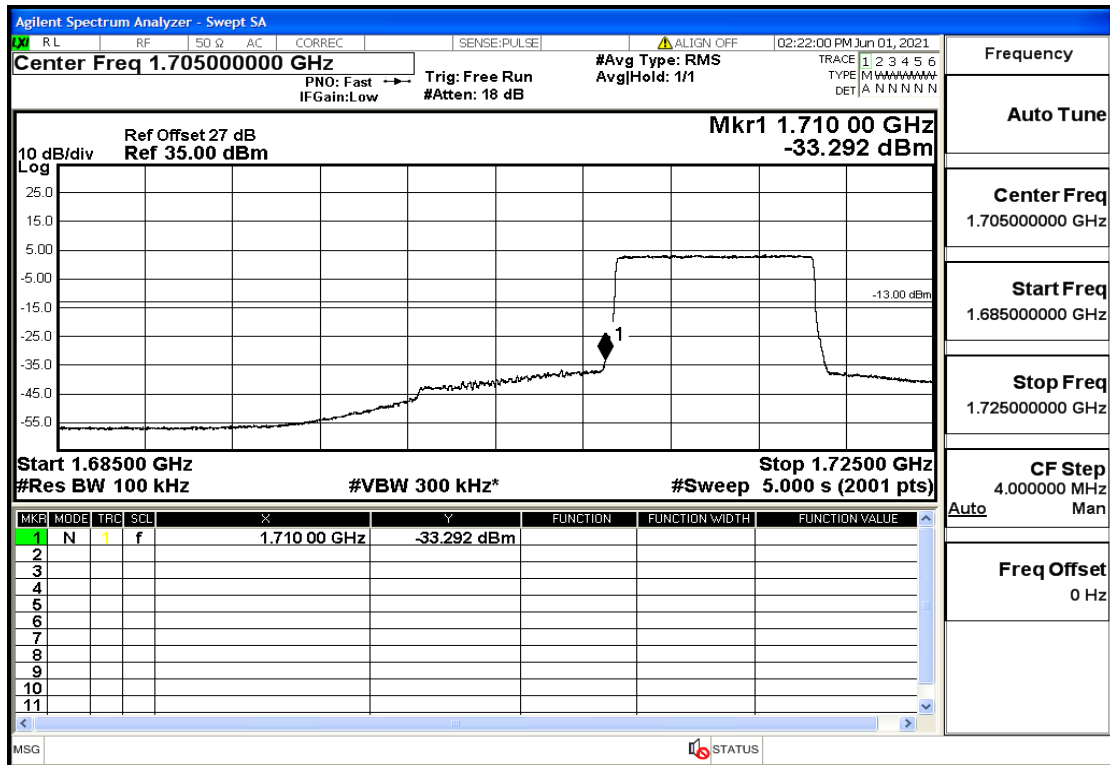
Band4-5-1752.5-16QAM-25#LOW@Pass



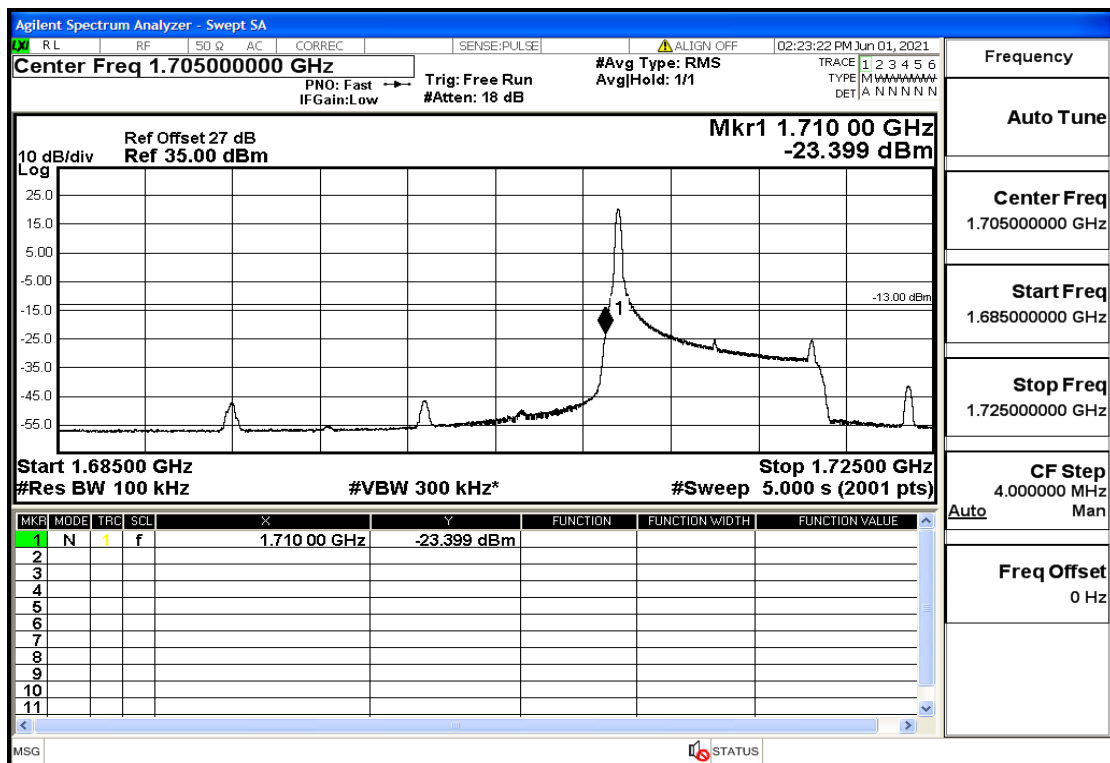
Band4-5-1752.5-16QAM-1#HIGH@Pass



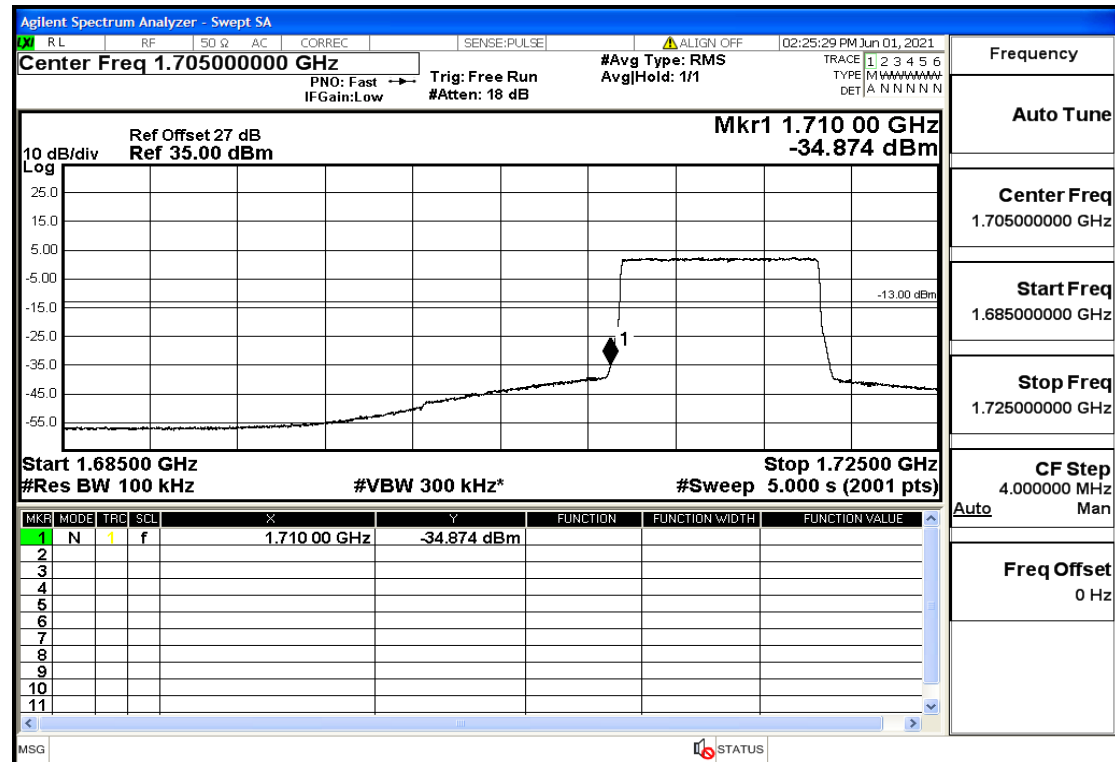
Band4-10-1715-QPSK-50#LOW@Pass



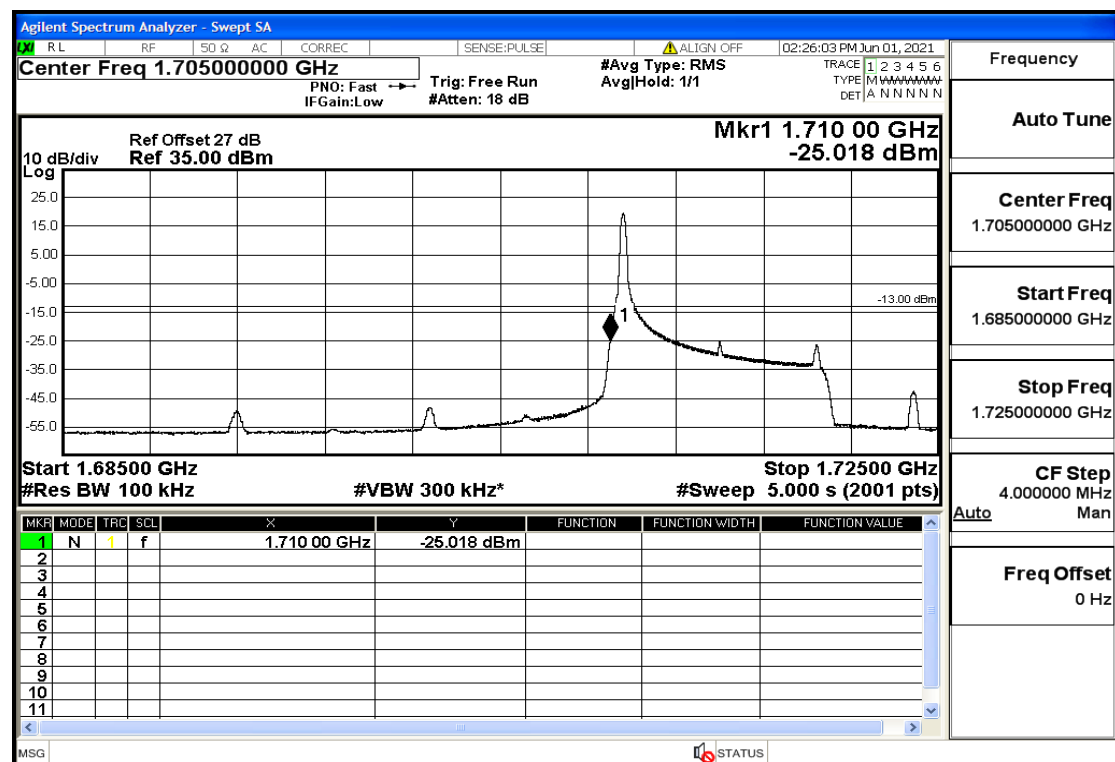
Band4-10-1715-QPSK-1#LOW@Pass



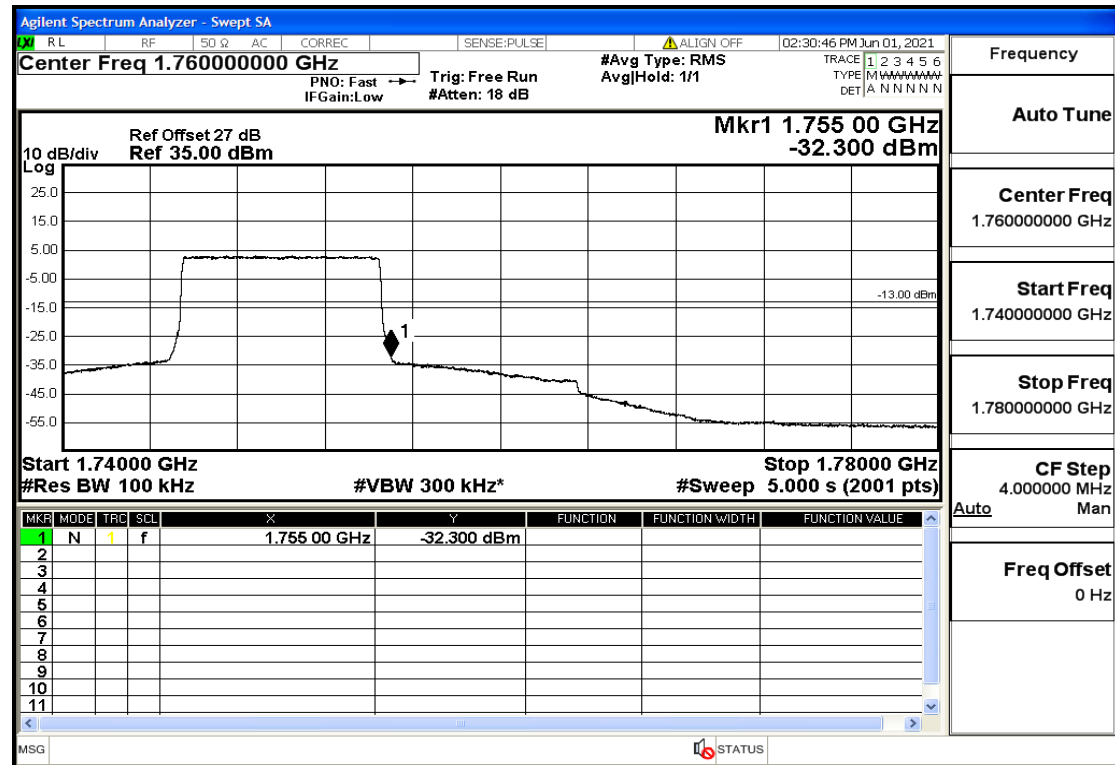
Band4-10-1715-16QAM-50#LOW@Pass



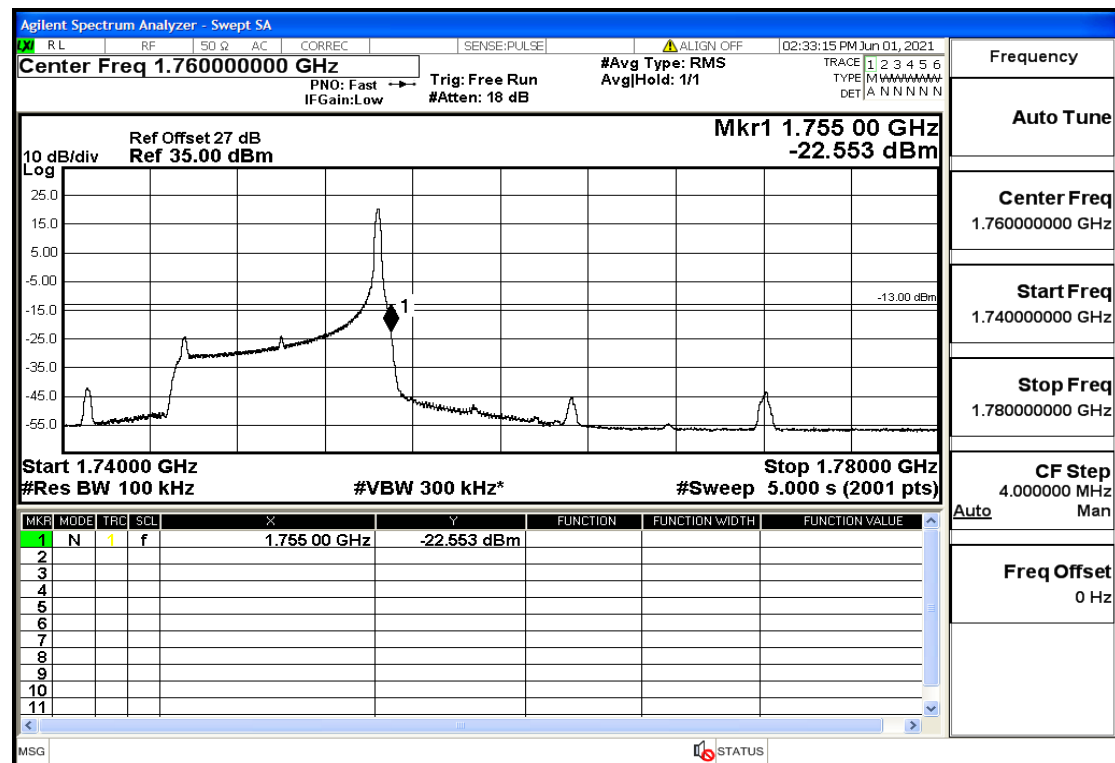
Band4-10-1715-16QAM-1#LOW@Pass



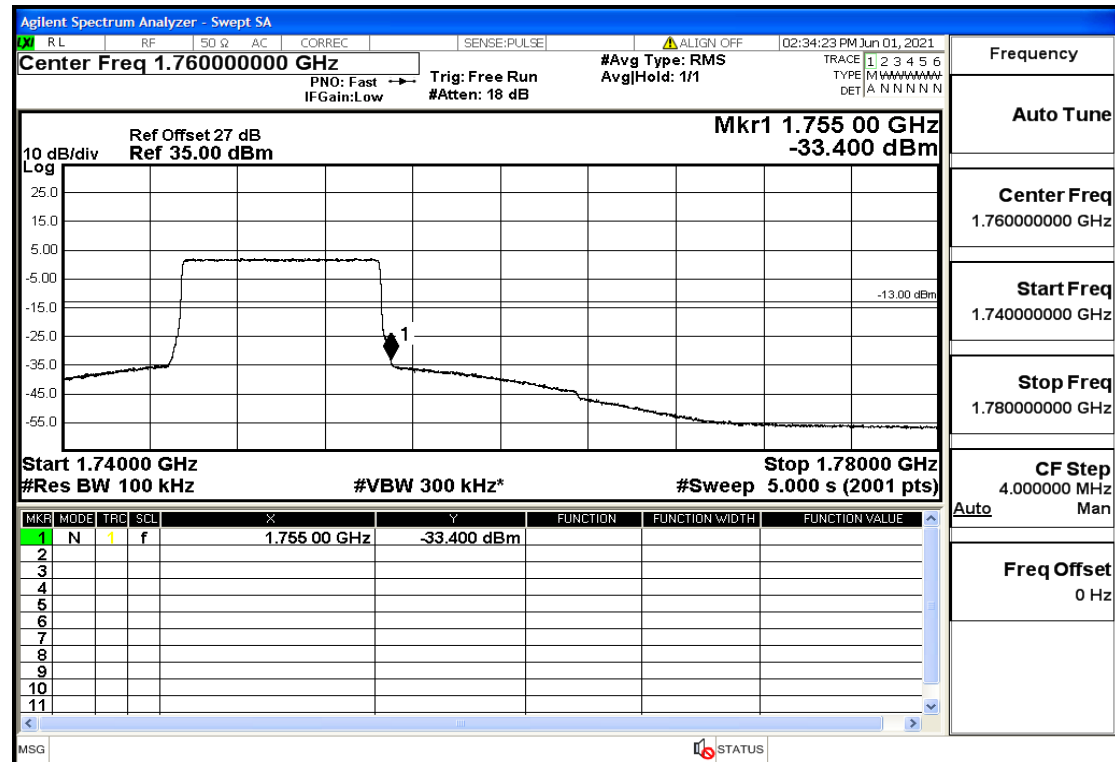
Band4-10-1750-QPSK-50#LOW@Pass



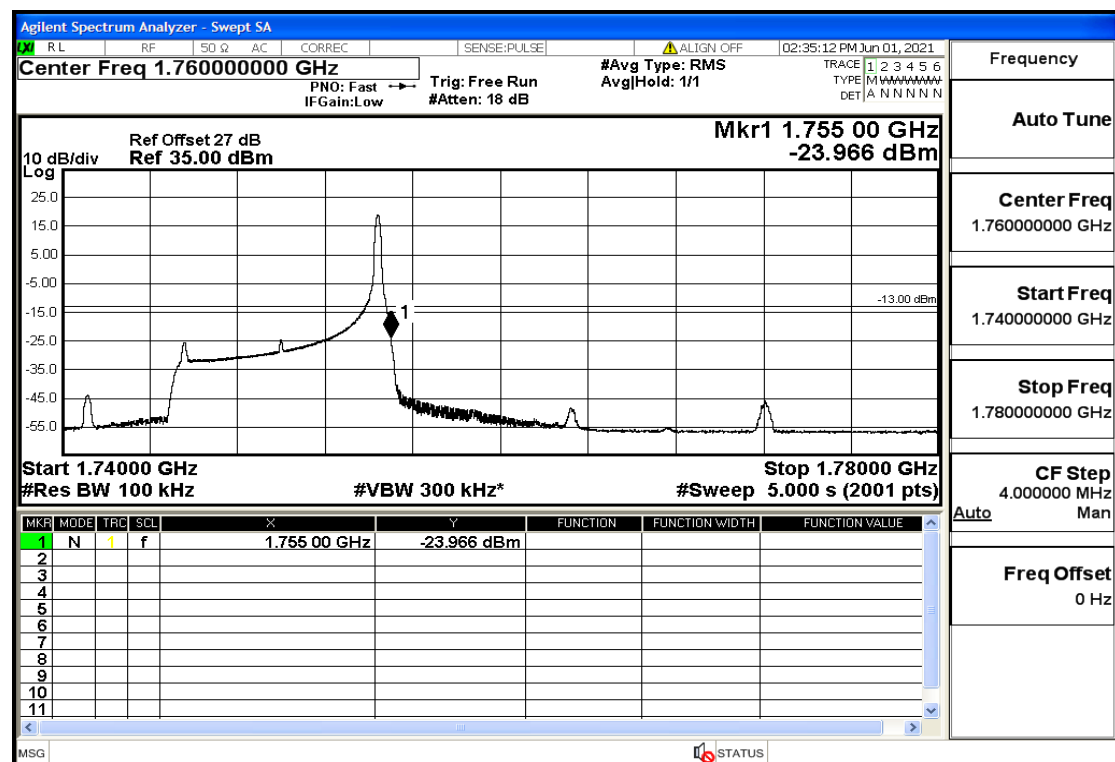
Band4-10-1750-QPSK-1#HIGH@Pass



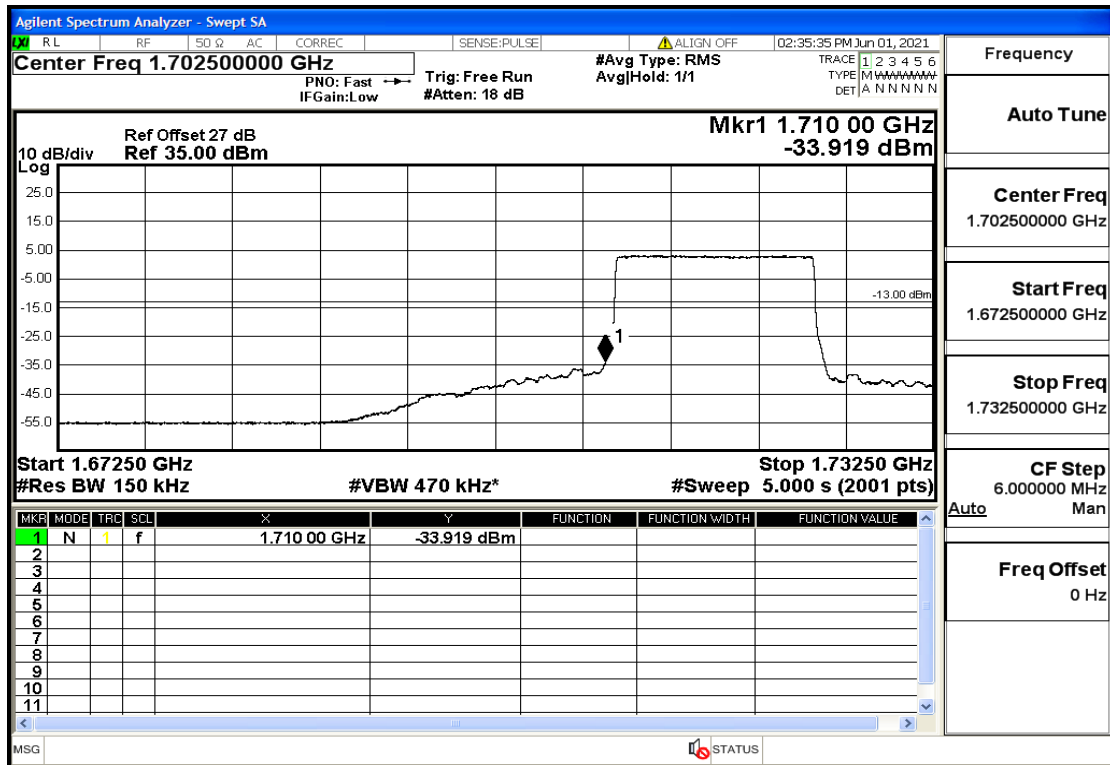
Band4-10-1750-16QAM-50#LOW@Pass



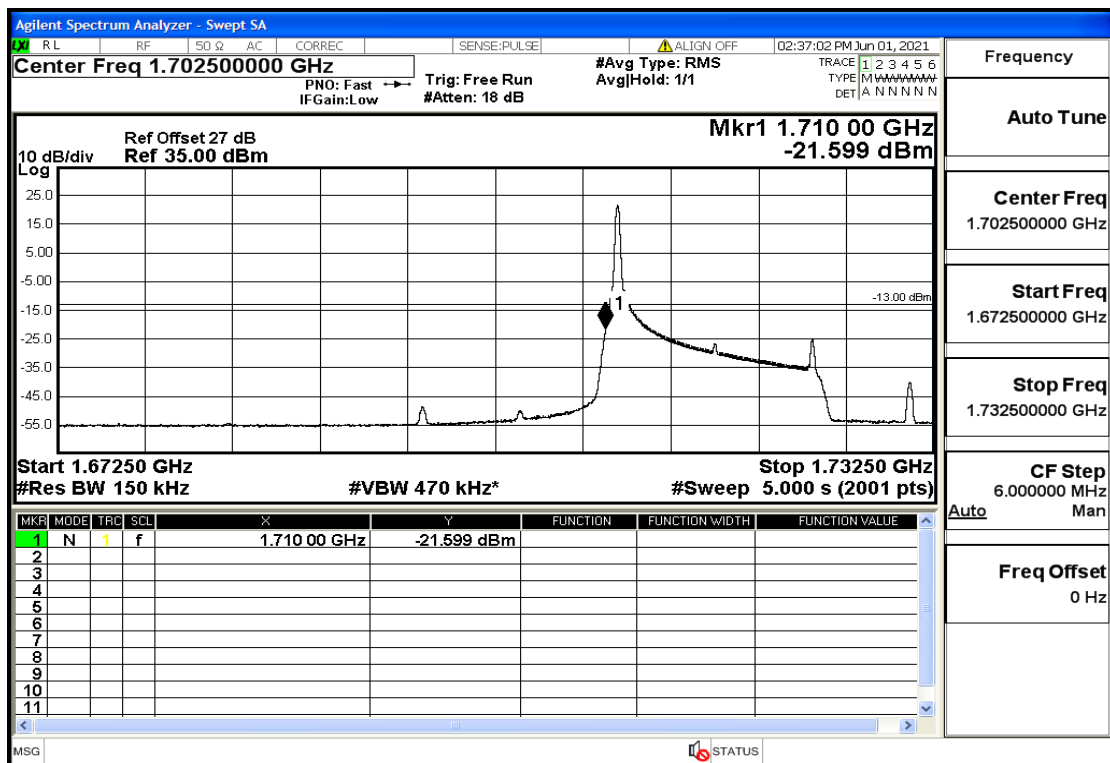
Band4-10-1750-16QAM-1#HIGH@Pass



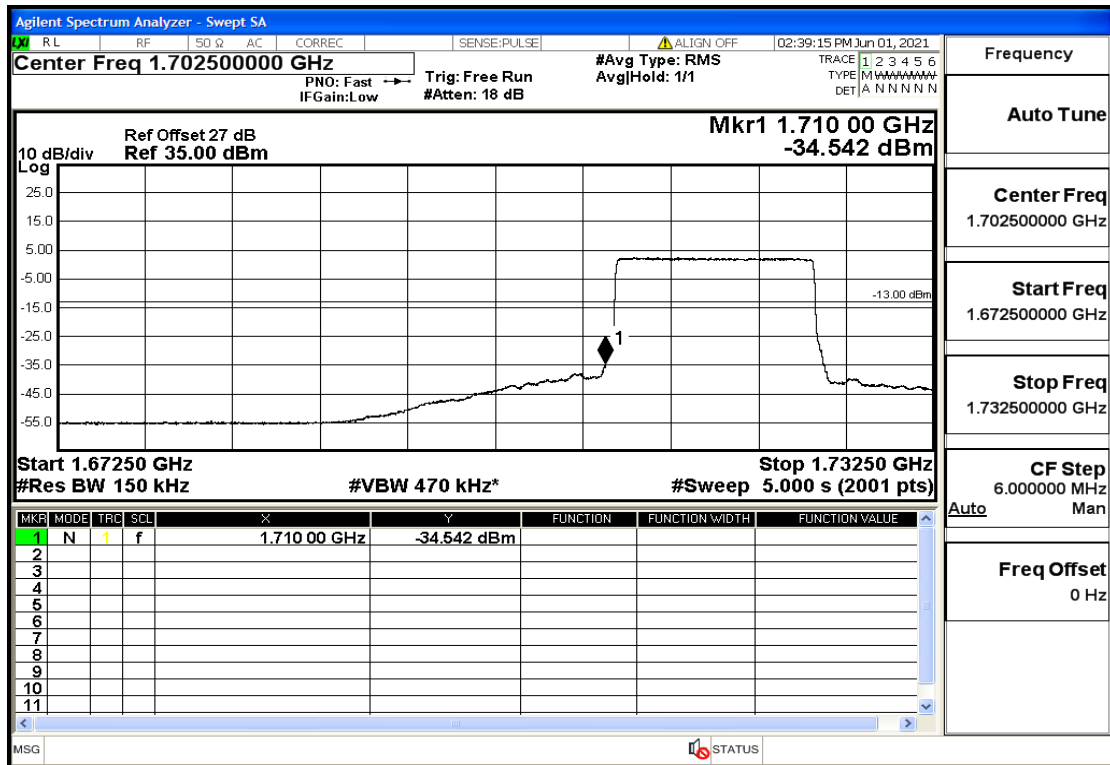
Band4-15-1717.5-QPSK-75#LOW@Pass



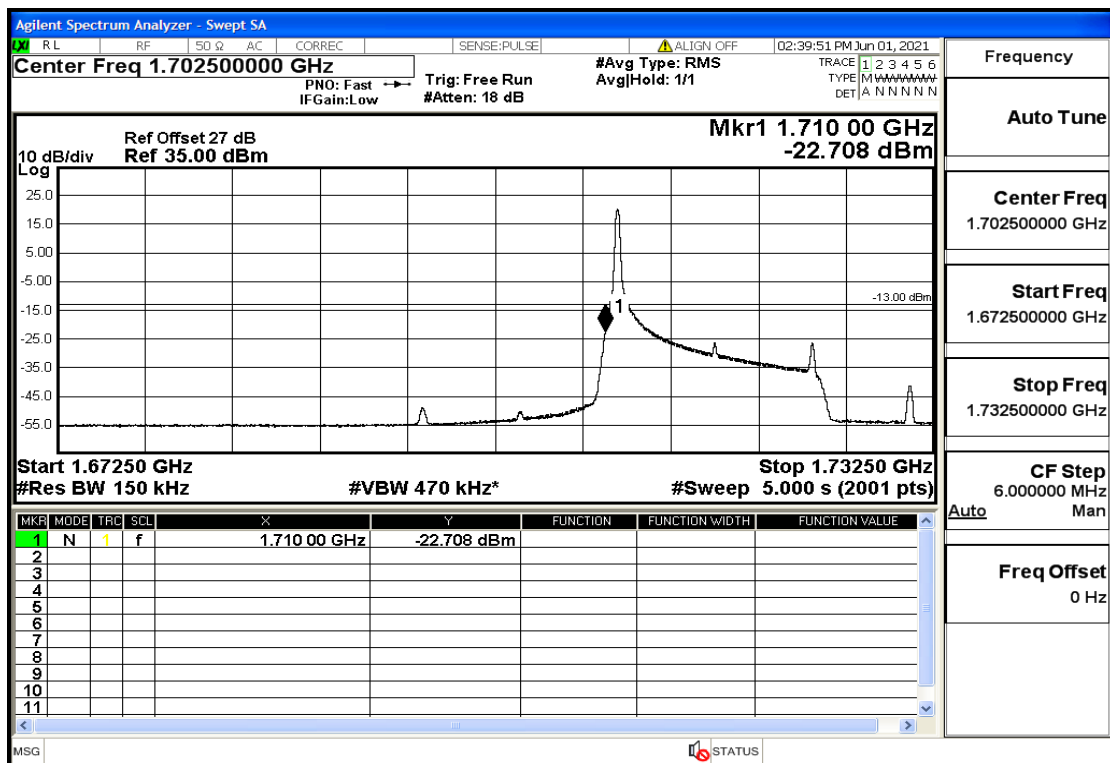
Band4-15-1717.5-QPSK-1#LOW@Pass



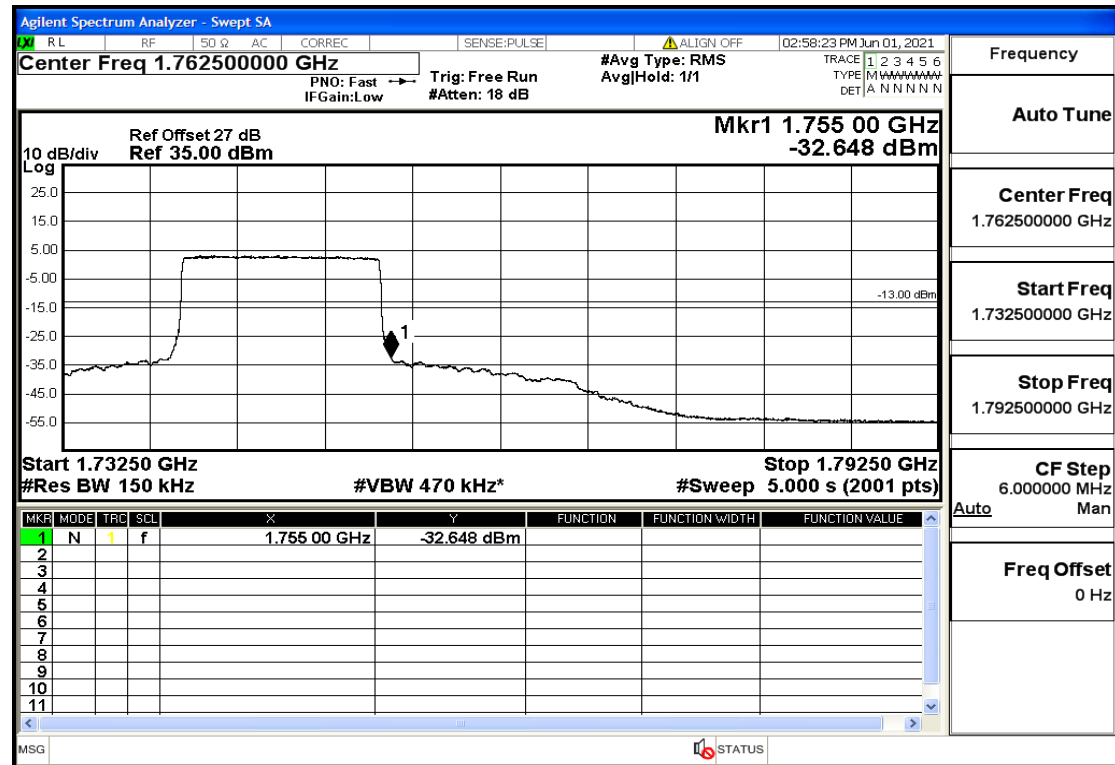
Band4-15-1717.5-16QAM-75#LOW@Pass



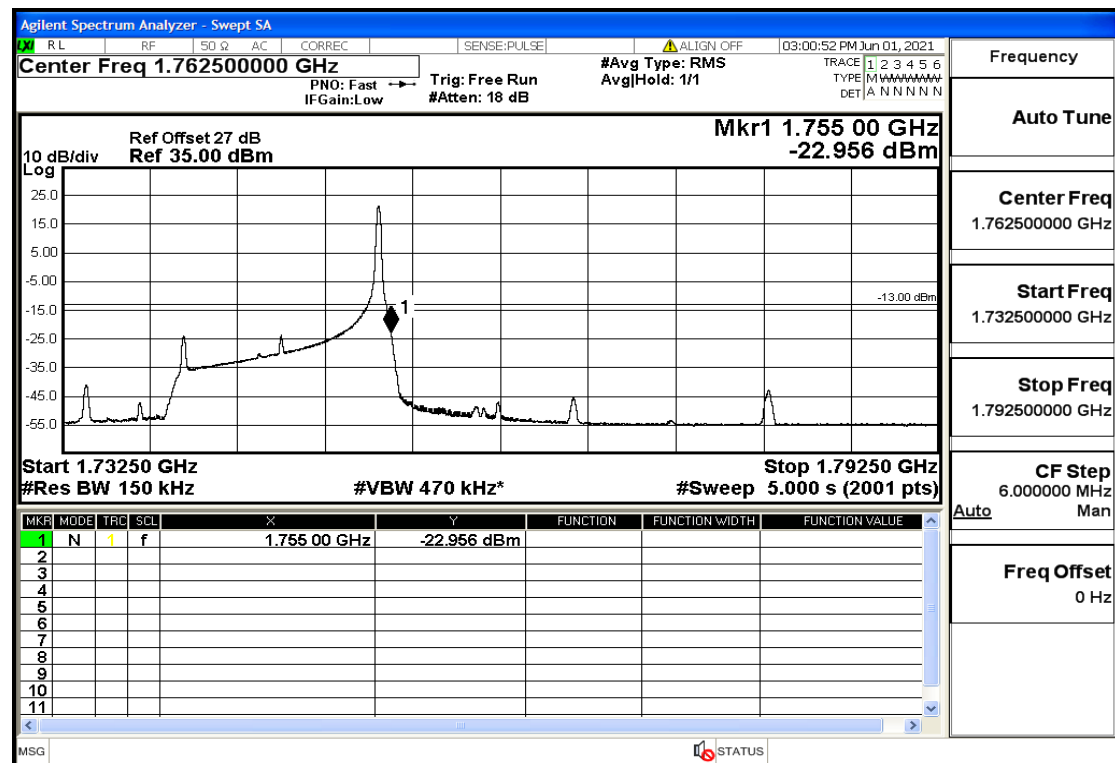
Band4-15-1717.5-16QAM-1#LOW@Pass



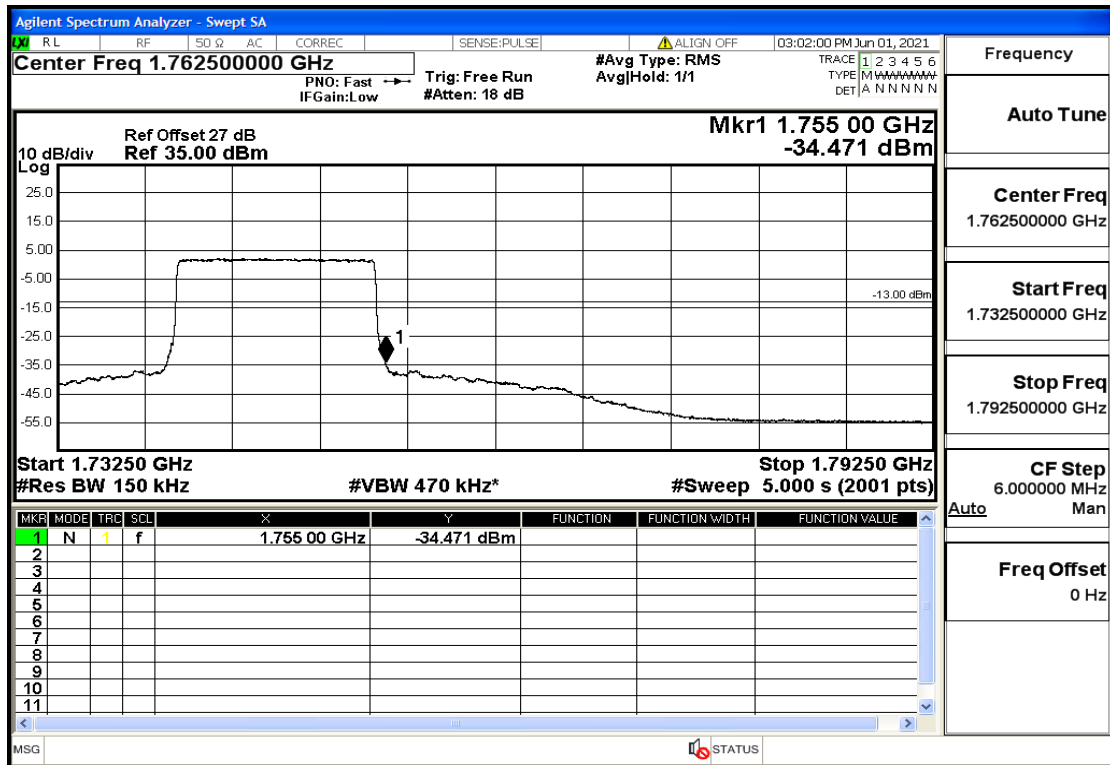
Band4-15-1747.5-QPSK-75#LOW@Pass



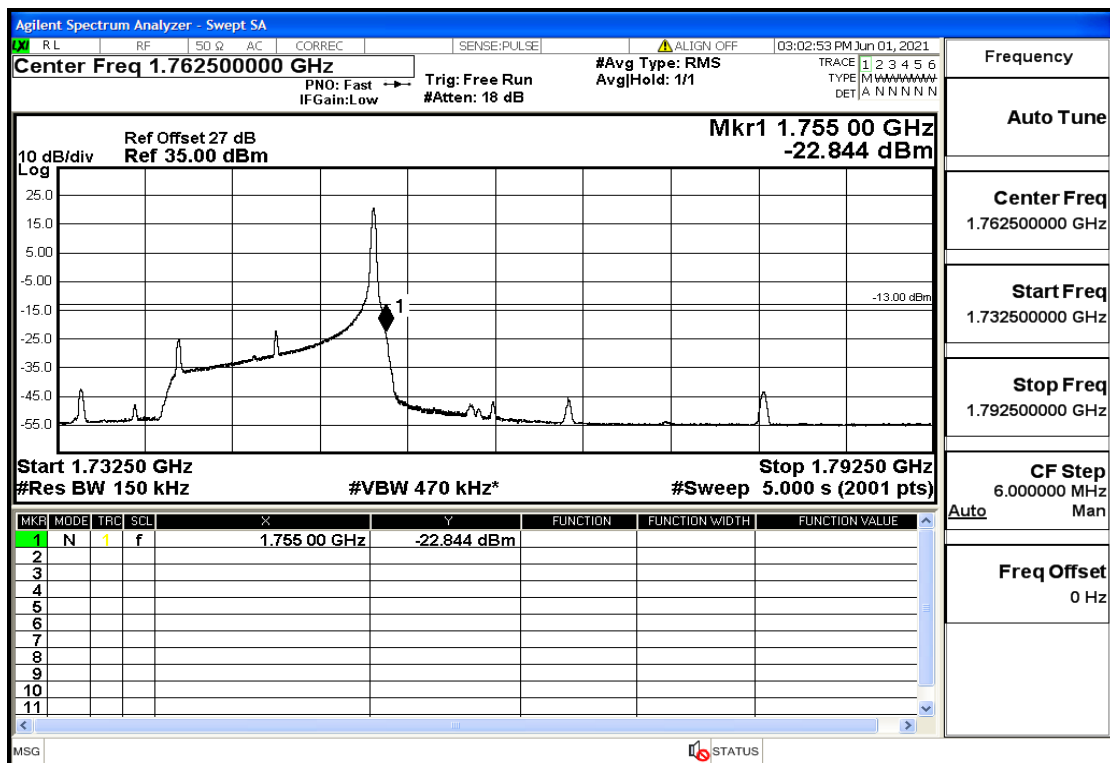
Band4-15-1747.5-QPSK-1#HIGH@Pass



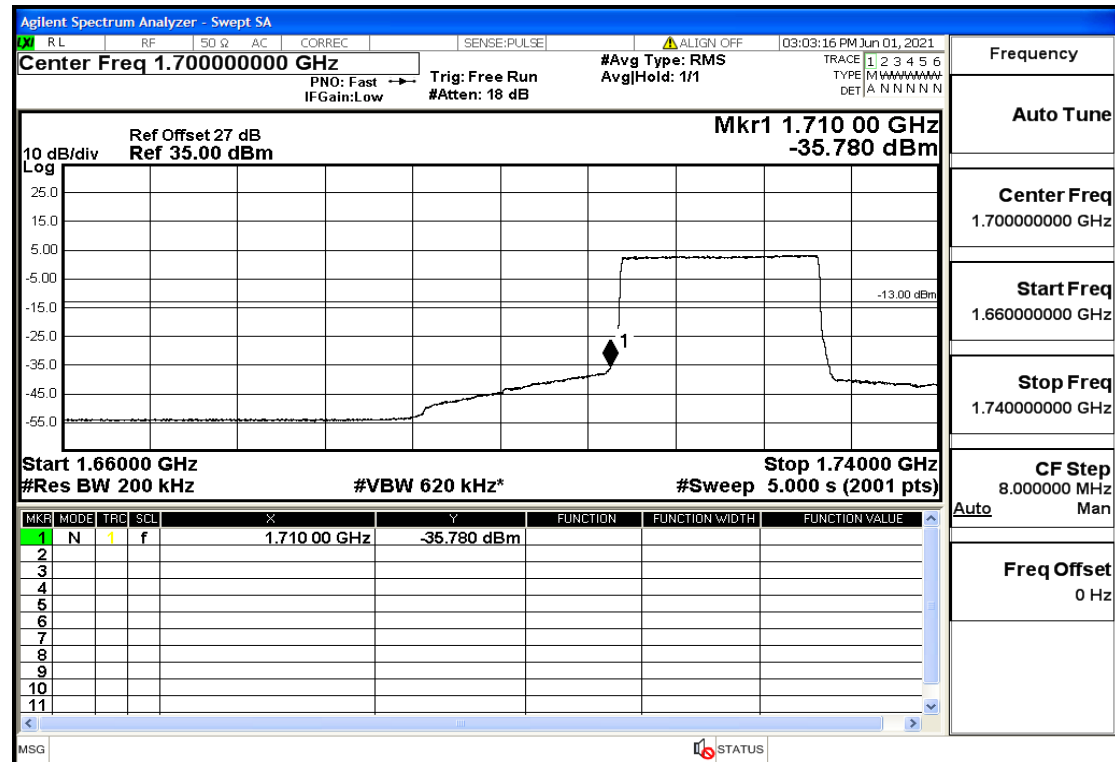
Band4-15-1747.5-16QAM-75#LOW@Pass



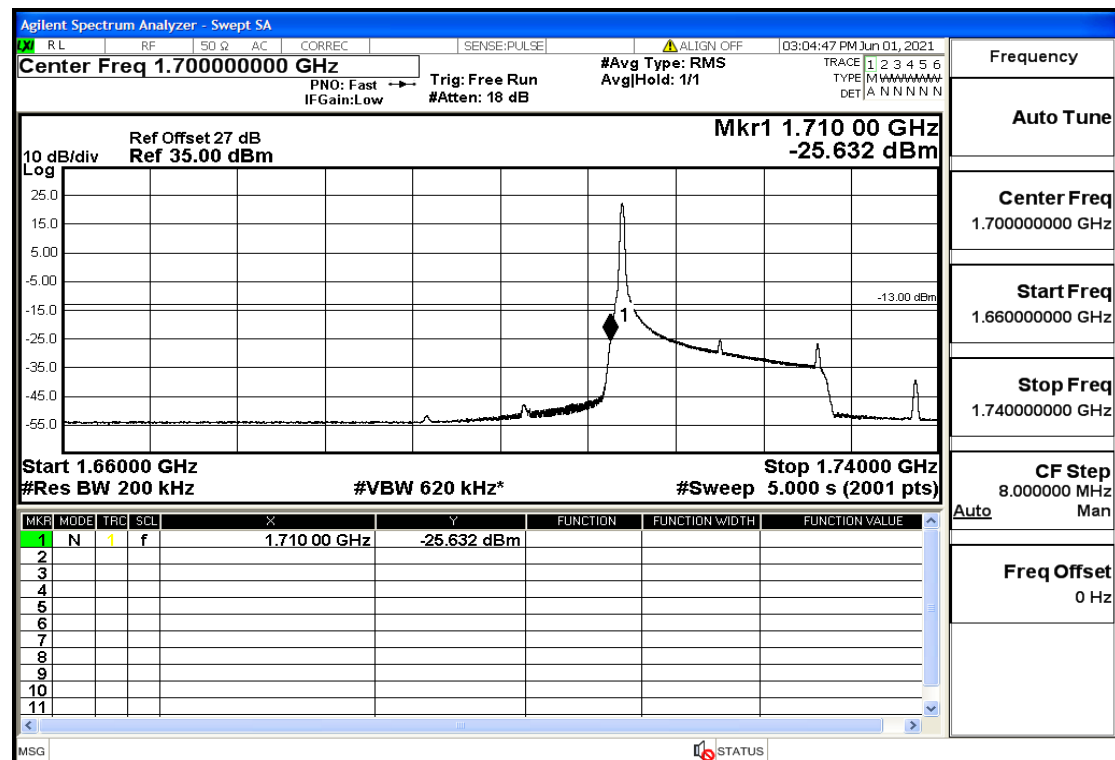
Band4-15-1747.5-16QAM-1#HIGH@Pass



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



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



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN OFF 03:06:59 PM Jun 01, 2021

Center Freq 1.700000000 GHz

PNO: Fast 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 N

Ref Offset 27 dB Ref 35.00 dBm

Mkr1 1.710 00 GHz -36.543 dBm

10 dB/div Log

25.0
15.0
5.00
-5.00
-15.0
-25.0
-35.0
-45.0
-55.0

-13.00 dBm

Start 1.66000 GHz #Res BW 200 kHz #BW 620 kHz* Stop 1.74000 GHz #Sweep 5.000 s (2001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.710 00 GHz	-36.543 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq 1.700000000 GHz

Start Freq 1.660000000 GHz

Stop Freq 1.740000000 GHz

CF Step 8.000000 MHz Man

Auto

Freq Offset 0 Hz

Agilent Spectrum Analyzer - Swept SA

☒ R L RF 50 Ω AC CORREC SENSE: PULSE ☒ ALIGN OFF 03:07:40 PM Jun 01, 2021

Center Freq 1.700000000 GHz PNO: Fast → Trig: Free Run #Avg Type: RMS TRAC 1 2 3 4 5 6
 IF Gain: Low #Atten: 18 dB Avg/Hold: 1/1 TYPE [MANUAL] DET [A N N N N N N]

10 dB/div Ref Offset 27 dB **Mkr1 1.710 00 GHz**
 Log Ref 35.00 dBm **-25.877 dBm**

Start 1.66000 GHz Stop 1.74000 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	1.710 00 GHz	-25.877 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
1.700000000 GHz

Start Freq
1.660000000 GHz

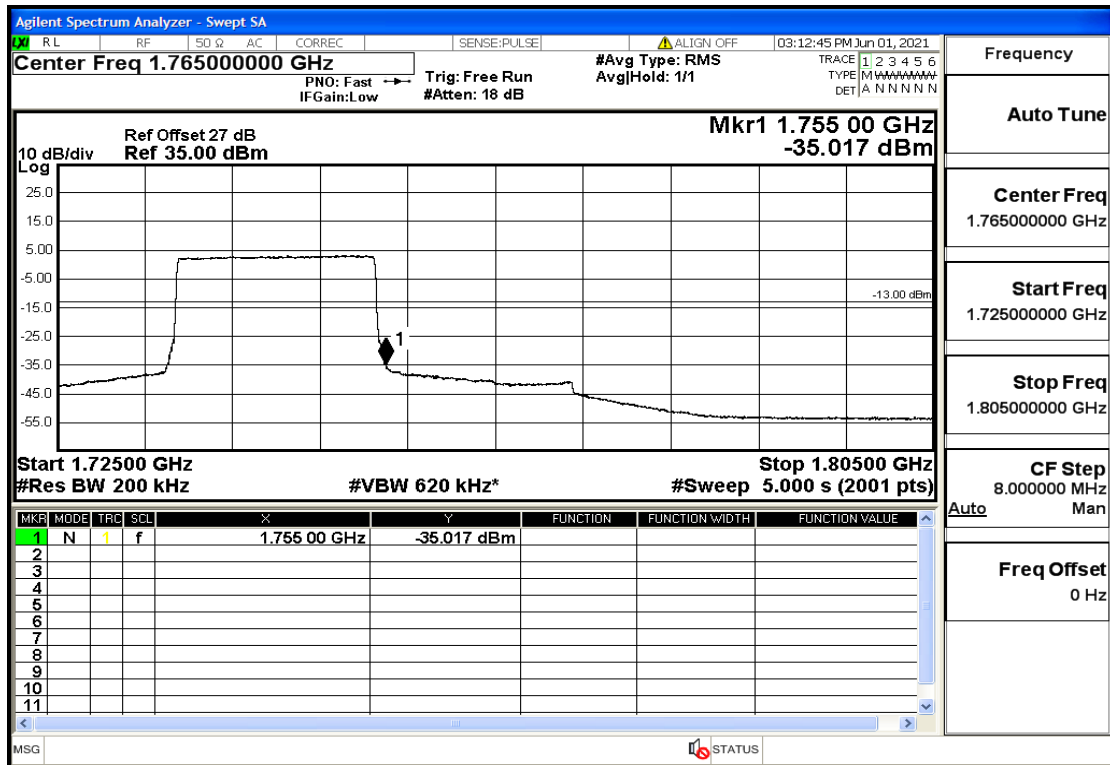
Stop Freq
1.740000000 GHz

CF Stop
8.000000 MHz
Man

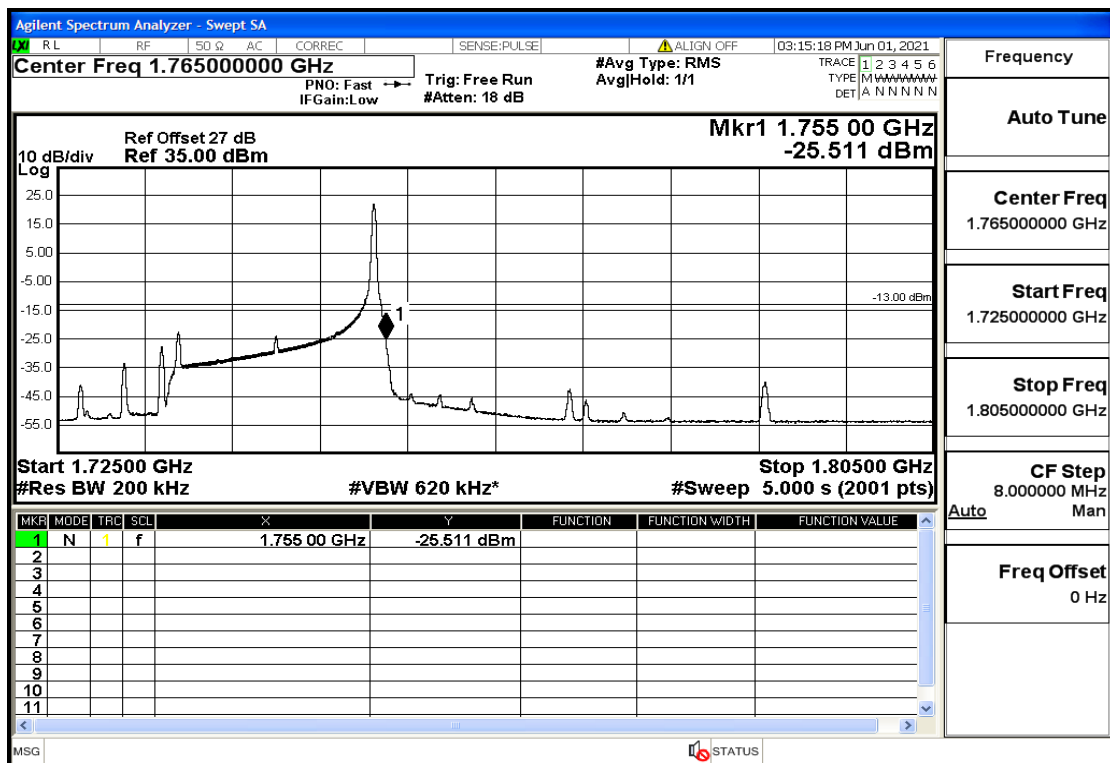
Auto

Freq Offset
0 Hz

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



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



Agilent Spectrum Analyzer - Swept SA

X	R L	RF	50 Ω	AC	CORREC	SENSE:PULSE	ALIGN OFF	03:16:30 PM Jun 01, 2021
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Center Freq 1.765000000 GHz

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

#Avg Type: RMS Avg/Hold: 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 27 dB
Ref 35.00 dBm

Mkr1 1.755 00 GHz
-35.709 dBm

Start 1.72500 GHz
#Res BW 200 kHz

Stop 1.80500 GHz
#Sweep 5.000 s (2001 pts)

#VBW 620 kHz*

MKR	MODE	TFC	SCL	F	F	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.755 00 GHz	-35.709 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG

b6 STATUS

Frequency

Auto Tune

Center Freq
1.765000000 GHz

Start Freq
1.725000000 GHz

Stop Freq
1.805000000 GHz

CF Step
8.000000 MHz

Man

Auto

Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE/PULSE ALIGN OFF 03:17:25 PM Jun 01, 2021

Center Freq 1.765000000 GHz PNO: Fast → Trig: Free Run #Avg Type: RMS Avg/Hold: 1/1

IF Gain: Low #Atten: 18 dB

Ref Offset 27 dB Ref 35.00 dBm Mkr1 1.755 00 GHz -25.539 dBm

10 dB/div Log

Start 1.72500 GHz Stop 1.80500 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	1.755 00 GHz	-25.539 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
1.765000000 GHz

Start Freq
1.725000000 GHz

Stop Freq
1.805000000 GHz

CF Step
8.000000 MHz

Man

Auto

Freq Offset
0 Hz

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	1850.7	QPSK	1	LOW	30mHz-1GHz	Pass
OB2	1.4	1850.7	QPSK	1	LOW	1GHz-7GHz	Pass
OB2	1.4	1850.7	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB2	1.4	1850.7	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB2	1.4	1850.7	QPSK	1	HIGH	30mHz-1GHz	Pass
OB2	1.4	1850.7	QPSK	1	HIGH	1GHz-7GHz	Pass
OB2	1.4	1850.7	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB2	1.4	1850.7	QPSK	1	HIGH	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	1880	QPSK	1	LOW	30mHz-1GHz	Pass
OB2	1.4	1880	QPSK	1	LOW	1GHz-7GHz	Pass
OB2	1.4	1880	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB2	1.4	1880	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB2	1.4	1880	QPSK	1	HIGH	30mHz-1GHz	Pass
OB2	1.4	1880	QPSK	1	HIGH	1GHz-7GHz	Pass
OB2	1.4	1880	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB2	1.4	1880	QPSK	1	HIGH	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	1.4	1909.3	QPSK	1	LOW	30mHz-1GHz	Pass
OB2	1.4	1909.3	QPSK	1	LOW	1GHz-7GHz	Pass
OB2	1.4	1909.3	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB2	1.4	1909.3	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB2	1.4	1909.3	QPSK	1	HIGH	30mHz-1GHz	Pass
OB2	1.4	1909.3	QPSK	1	HIGH	1GHz-7GHz	Pass
OB2	1.4	1909.3	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB2	1.4	1909.3	QPSK	1	HIGH	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	1851.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB2	3	1851.5	QPSK	1	LOW	1GHz-7GHz	Pass
OB2	3	1851.5	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB2	3	1851.5	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB2	3	1851.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB2	3	1851.5	QPSK	1	HIGH	1GHz-7GHz	Pass
OB2	3	1851.5	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB2	3	1851.5	QPSK	1	HIGH	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	1880	QPSK	1	LOW	30mHz-1GHz	Pass
OB2	3	1880	QPSK	1	LOW	1GHz-7GHz	Pass
OB2	3	1880	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB2	3	1880	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB2	3	1880	QPSK	1	HIGH	30mHz-1GHz	Pass
OB2	3	1880	QPSK	1	HIGH	1GHz-7GHz	Pass
OB2	3	1880	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB2	3	1880	QPSK	1	HIGH	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	3	1908.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB2	3	1908.5	QPSK	1	LOW	1GHz-7GHz	Pass
OB2	3	1908.5	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB2	3	1908.5	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB2	3	1908.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB2	3	1908.5	QPSK	1	HIGH	1GHz-7GHz	Pass
OB2	3	1908.5	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB2	3	1908.5	QPSK	1	HIGH	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	1852.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB2	5	1852.5	QPSK	1	LOW	1GHz-7GHz	Pass
OB2	5	1852.5	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB2	5	1852.5	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB2	5	1852.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB2	5	1852.5	QPSK	1	HIGH	1GHz-7GHz	Pass
OB2	5	1852.5	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB2	5	1852.5	QPSK	1	HIGH	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	1880	QPSK	1	LOW	30mHz-1GHz	Pass
OB2	5	1880	QPSK	1	LOW	1GHz-7GHz	Pass
OB2	5	1880	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB2	5	1880	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB2	5	1880	QPSK	1	HIGH	30mHz-1GHz	Pass
OB2	5	1880	QPSK	1	HIGH	1GHz-7GHz	Pass
OB2	5	1880	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB2	5	1880	QPSK	1	HIGH	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	5	1907.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB2	5	1907.5	QPSK	1	LOW	1GHz-7GHz	Pass
OB2	5	1907.5	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB2	5	1907.5	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB2	5	1907.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB2	5	1907.5	QPSK	1	HIGH	1GHz-7GHz	Pass
OB2	5	1907.5	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB2	5	1907.5	QPSK	1	HIGH	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	1855	QPSK	1	LOW	30mHz-1GHz	Pass
OB2	10	1855	QPSK	1	LOW	1GHz-7GHz	Pass
OB2	10	1855	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB2	10	1855	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB2	10	1855	QPSK	1	HIGH	30mHz-1GHz	Pass
OB2	10	1855	QPSK	1	HIGH	1GHz-7GHz	Pass
OB2	10	1855	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB2	10	1855	QPSK	1	HIGH	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	1880	QPSK	1	LOW	30mHz-1GHz	Pass
OB2	10	1880	QPSK	1	LOW	1GHz-7GHz	Pass
OB2	10	1880	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB2	10	1880	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB2	10	1880	QPSK	1	HIGH	30mHz-1GHz	Pass
OB2	10	1880	QPSK	1	HIGH	1GHz-7GHz	Pass
OB2	10	1880	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB2	10	1880	QPSK	1	HIGH	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	10	1905	QPSK	1	LOW	30mHz-1GHz	Pass
OB2	10	1905	QPSK	1	LOW	1GHz-7GHz	Pass
OB2	10	1905	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB2	10	1905	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB2	10	1905	QPSK	1	HIGH	30mHz-1GHz	Pass
OB2	10	1905	QPSK	1	HIGH	1GHz-7GHz	Pass
OB2	10	1905	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB2	10	1905	QPSK	1	HIGH	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	1857.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB2	15	1857.5	QPSK	1	LOW	1GHz-7GHz	Pass
OB2	15	1857.5	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB2	15	1857.5	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB2	15	1857.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB2	15	1857.5	QPSK	1	HIGH	1GHz-7GHz	Pass
OB2	15	1857.5	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB2	15	1857.5	QPSK	1	HIGH	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	1880	QPSK	1	LOW	30mHz-1GHz	Pass
OB2	15	1880	QPSK	1	LOW	1GHz-7GHz	Pass
OB2	15	1880	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB2	15	1880	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB2	15	1880	QPSK	1	HIGH	30mHz-1GHz	Pass
OB2	15	1880	QPSK	1	HIGH	1GHz-7GHz	Pass
OB2	15	1880	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB2	15	1880	QPSK	1	HIGH	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	15	1902.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB2	15	1902.5	QPSK	1	LOW	1GHz-7GHz	Pass
OB2	15	1902.5	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB2	15	1902.5	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB2	15	1902.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB2	15	1902.5	QPSK	1	HIGH	1GHz-7GHz	Pass

OB2	15	1902.5	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB2	15	1902.5	QPSK	1	HIGH	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	1860	QPSK	1	LOW	30mHz-1GHz	Pass
OB2	20	1860	QPSK	1	LOW	1GHz-7GHz	Pass
OB2	20	1860	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB2	20	1860	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB2	20	1860	QPSK	1	HIGH	30mHz-1GHz	Pass
OB2	20	1860	QPSK	1	HIGH	1GHz-7GHz	Pass
OB2	20	1860	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB2	20	1860	QPSK	1	HIGH	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	1880	QPSK	1	LOW	30mHz-1GHz	Pass
OB2	20	1880	QPSK	1	LOW	1GHz-7GHz	Pass
OB2	20	1880	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB2	20	1880	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB2	20	1880	QPSK	1	HIGH	30mHz-1GHz	Pass
OB2	20	1880	QPSK	1	HIGH	1GHz-7GHz	Pass
OB2	20	1880	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB2	20	1880	QPSK	1	HIGH	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	20	1900	QPSK	1	LOW	30mHz-1GHz	Pass
OB2	20	1900	QPSK	1	LOW	1GHz-7GHz	Pass
OB2	20	1900	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB2	20	1900	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB2	20	1900	QPSK	1	HIGH	30mHz-1GHz	Pass
OB2	20	1900	QPSK	1	HIGH	1GHz-7GHz	Pass
OB2	20	1900	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB2	20	1900	QPSK	1	HIGH	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	1710.7	QPSK	1	LOW	30mHz-1GHz	Pass
OB4	1.4	1710.7	QPSK	1	LOW	1GHz-7GHz	Pass
OB4	1.4	1710.7	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB4	1.4	1710.7	QPSK	1	LOW	13.6GHz-20GHz	Pass

OB4	1.4	1710.7	QPSK	1	HIGH	30mHz-1GHz	Pass
OB4	1.4	1710.7	QPSK	1	HIGH	1GHz-7GHz	Pass
OB4	1.4	1710.7	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB4	1.4	1710.7	QPSK	1	HIGH	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	1732.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB4	1.4	1732.5	QPSK	1	LOW	1GHz-7GHz	Pass
OB4	1.4	1732.5	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB4	1.4	1732.5	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB4	1.4	1732.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB4	1.4	1732.5	QPSK	1	HIGH	1GHz-7GHz	Pass
OB4	1.4	1732.5	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB4	1.4	1732.5	QPSK	1	HIGH	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	1.4	1754.3	QPSK	1	LOW	30mHz-1GHz	Pass
OB4	1.4	1754.3	QPSK	1	LOW	1GHz-7GHz	Pass
OB4	1.4	1754.3	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB4	1.4	1754.3	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB4	1.4	1754.3	QPSK	1	HIGH	30mHz-1GHz	Pass
OB4	1.4	1754.3	QPSK	1	HIGH	1GHz-7GHz	Pass
OB4	1.4	1754.3	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB4	1.4	1754.3	QPSK	1	HIGH	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	1711.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB4	3	1711.5	QPSK	1	LOW	1GHz-7GHz	Pass
OB4	3	1711.5	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB4	3	1711.5	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB4	3	1711.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB4	3	1711.5	QPSK	1	HIGH	1GHz-7GHz	Pass
OB4	3	1711.5	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB4	3	1711.5	QPSK	1	HIGH	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	1732.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB4	3	1732.5	QPSK	1	LOW	1GHz-7GHz	Pass

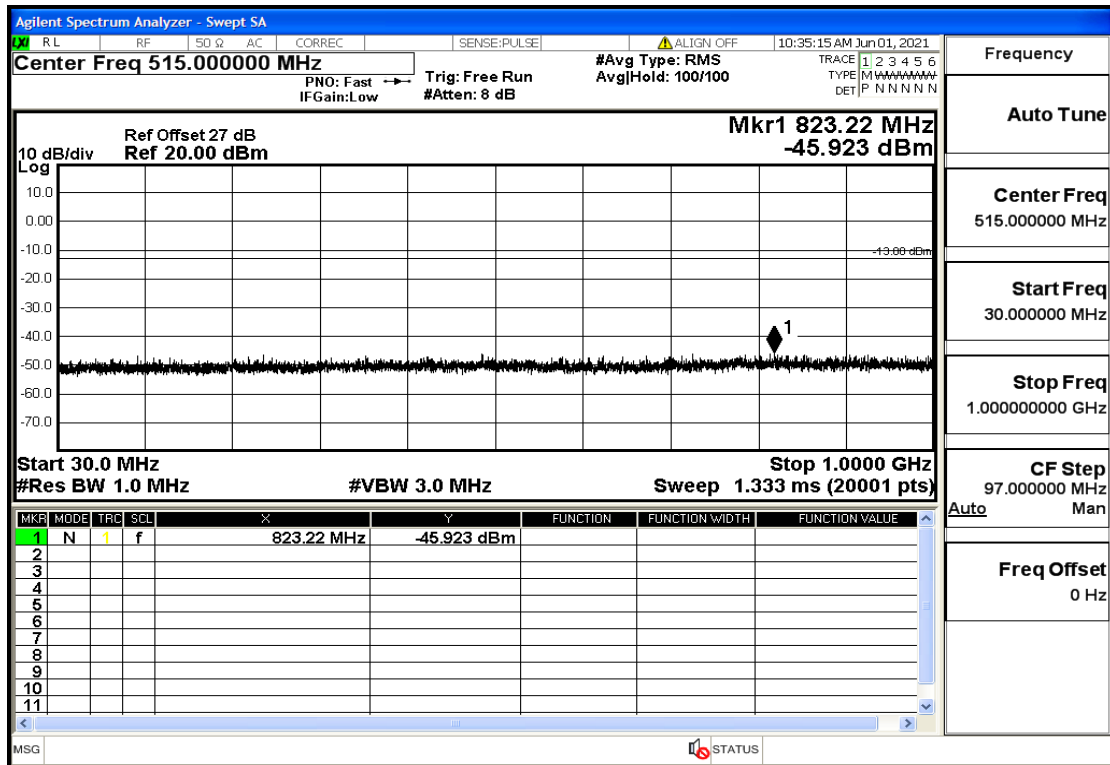
OB4	3	1732.5	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB4	3	1732.5	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB4	3	1732.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB4	3	1732.5	QPSK	1	HIGH	1GHz-7GHz	Pass
OB4	3	1732.5	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB4	3	1732.5	QPSK	1	HIGH	13.6GHz-20GHz	Pass
OB4	3	1753.5	QPSK	15	LOW	30mHz-1GHz	Pass
OB4	3	1753.5	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	3	1753.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB4	3	1753.5	QPSK	1	LOW	1GHz-7GHz	Pass
OB4	3	1753.5	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB4	3	1753.5	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB4	3	1753.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB4	3	1753.5	QPSK	1	HIGH	1GHz-7GHz	Pass
OB4	3	1753.5	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB4	3	1753.5	QPSK	1	HIGH	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	1712.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB4	5	1712.5	QPSK	1	LOW	1GHz-7GHz	Pass
OB4	5	1712.5	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB4	5	1712.5	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB4	5	1712.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB4	5	1712.5	QPSK	1	HIGH	1GHz-7GHz	Pass
OB4	5	1712.5	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB4	5	1712.5	QPSK	1	HIGH	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	1732.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB4	5	1732.5	QPSK	1	LOW	1GHz-7GHz	Pass
OB4	5	1732.5	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB4	5	1732.5	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB4	5	1732.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB4	5	1732.5	QPSK	1	HIGH	1GHz-7GHz	Pass
OB4	5	1732.5	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB4	5	1732.5	QPSK	1	HIGH	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	5	1752.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB4	5	1752.5	QPSK	1	LOW	1GHz-7GHz	Pass
OB4	5	1752.5	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB4	5	1752.5	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB4	5	1752.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB4	5	1752.5	QPSK	1	HIGH	1GHz-7GHz	Pass
OB4	5	1752.5	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB4	5	1752.5	QPSK	1	HIGH	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	1715	QPSK	1	LOW	30mHz-1GHz	Pass
OB4	10	1715	QPSK	1	LOW	1GHz-7GHz	Pass
OB4	10	1715	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB4	10	1715	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB4	10	1715	QPSK	1	HIGH	30mHz-1GHz	Pass
OB4	10	1715	QPSK	1	HIGH	1GHz-7GHz	Pass
OB4	10	1715	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB4	10	1715	QPSK	1	HIGH	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	1732.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB4	10	1732.5	QPSK	1	LOW	1GHz-7GHz	Pass
OB4	10	1732.5	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB4	10	1732.5	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB4	10	1732.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB4	10	1732.5	QPSK	1	HIGH	1GHz-7GHz	Pass
OB4	10	1732.5	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB4	10	1732.5	QPSK	1	HIGH	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	10	1750	QPSK	1	LOW	30mHz-1GHz	Pass
OB4	10	1750	QPSK	1	LOW	1GHz-7GHz	Pass
OB4	10	1750	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB4	10	1750	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB4	10	1750	QPSK	1	HIGH	30mHz-1GHz	Pass
OB4	10	1750	QPSK	1	HIGH	1GHz-7GHz	Pass
OB4	10	1750	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB4	10	1750	QPSK	1	HIGH	13.6GHz-20GHz	Pass
OB4	15	1717.5	QPSK	75	LOW	30mHz-1GHz	Pass
OB4	15	1717.5	QPSK	75	LOW	1GHz-7GHz	Pass

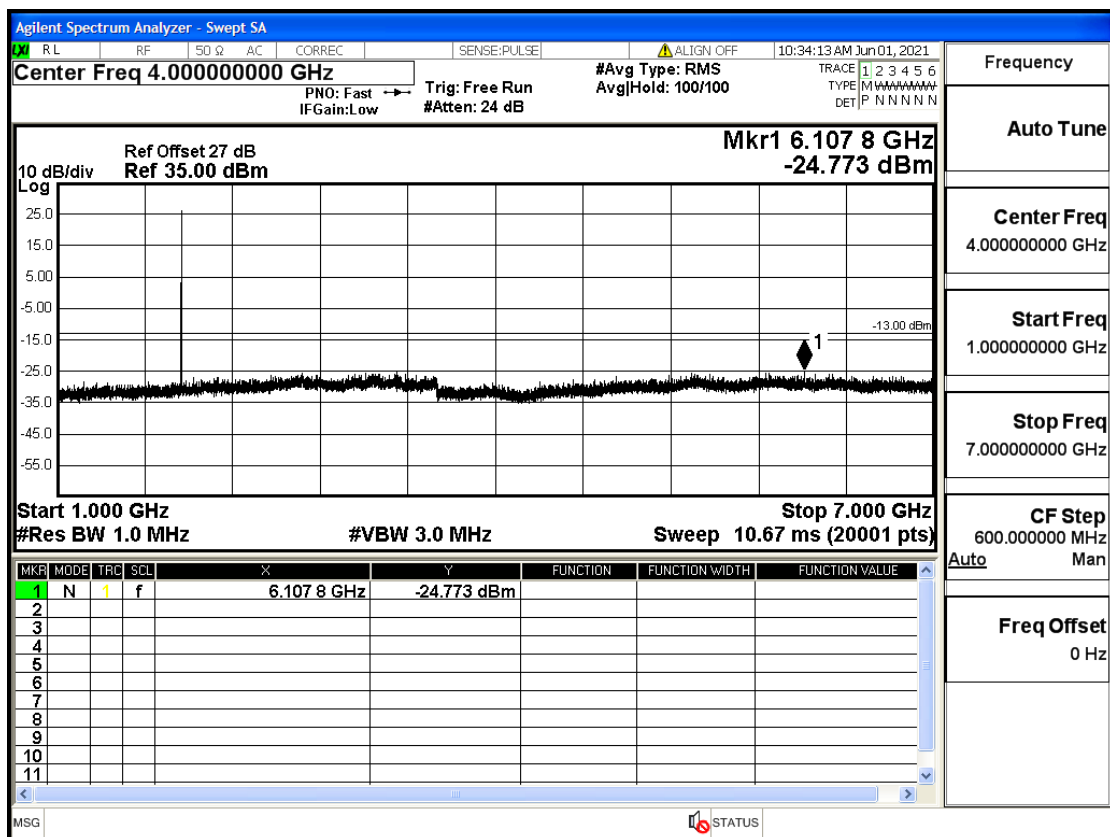
OB4	15	1717.5	QPSK	75	LOW	7GHz-13.6GHz	Pass
OB4	15	1717.5	QPSK	75	LOW	13.6GHz-20GHz	Pass
OB4	15	1717.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB4	15	1717.5	QPSK	1	LOW	1GHz-7GHz	Pass
OB4	15	1717.5	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB4	15	1717.5	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB4	15	1717.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB4	15	1717.5	QPSK	1	HIGH	1GHz-7GHz	Pass
OB4	15	1717.5	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB4	15	1717.5	QPSK	1	HIGH	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	1732.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB4	15	1732.5	QPSK	1	LOW	1GHz-7GHz	Pass
OB4	15	1732.5	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB4	15	1732.5	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB4	15	1732.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB4	15	1732.5	QPSK	1	HIGH	1GHz-7GHz	Pass
OB4	15	1732.5	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB4	15	1732.5	QPSK	1	HIGH	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	15	1747.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB4	15	1747.5	QPSK	1	LOW	1GHz-7GHz	Pass
OB4	15	1747.5	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB4	15	1747.5	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB4	15	1747.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB4	15	1747.5	QPSK	1	HIGH	1GHz-7GHz	Pass
OB4	15	1747.5	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB4	15	1747.5	QPSK	1	HIGH	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	1720	QPSK	1	LOW	30mHz-1GHz	Pass
OB4	20	1720	QPSK	1	LOW	1GHz-7GHz	Pass
OB4	20	1720	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB4	20	1720	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB4	20	1720	QPSK	1	HIGH	30mHz-1GHz	Pass
OB4	20	1720	QPSK	1	HIGH	1GHz-7GHz	Pass
OB4	20	1720	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB4	20	1720	QPSK	1	HIGH	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	1732.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB4	20	1732.5	QPSK	1	LOW	1GHz-7GHz	Pass
OB4	20	1732.5	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB4	20	1732.5	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB4	20	1732.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB4	20	1732.5	QPSK	1	HIGH	1GHz-7GHz	Pass
OB4	20	1732.5	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB4	20	1732.5	QPSK	1	HIGH	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	20	1745	QPSK	1	LOW	30mHz-1GHz	Pass
OB4	20	1745	QPSK	1	LOW	1GHz-7GHz	Pass
OB4	20	1745	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB4	20	1745	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB4	20	1745	QPSK	1	HIGH	30mHz-1GHz	Pass
OB4	20	1745	QPSK	1	HIGH	1GHz-7GHz	Pass
OB4	20	1745	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB4	20	1745	QPSK	1	HIGH	13.6GHz-20GHz	Pass

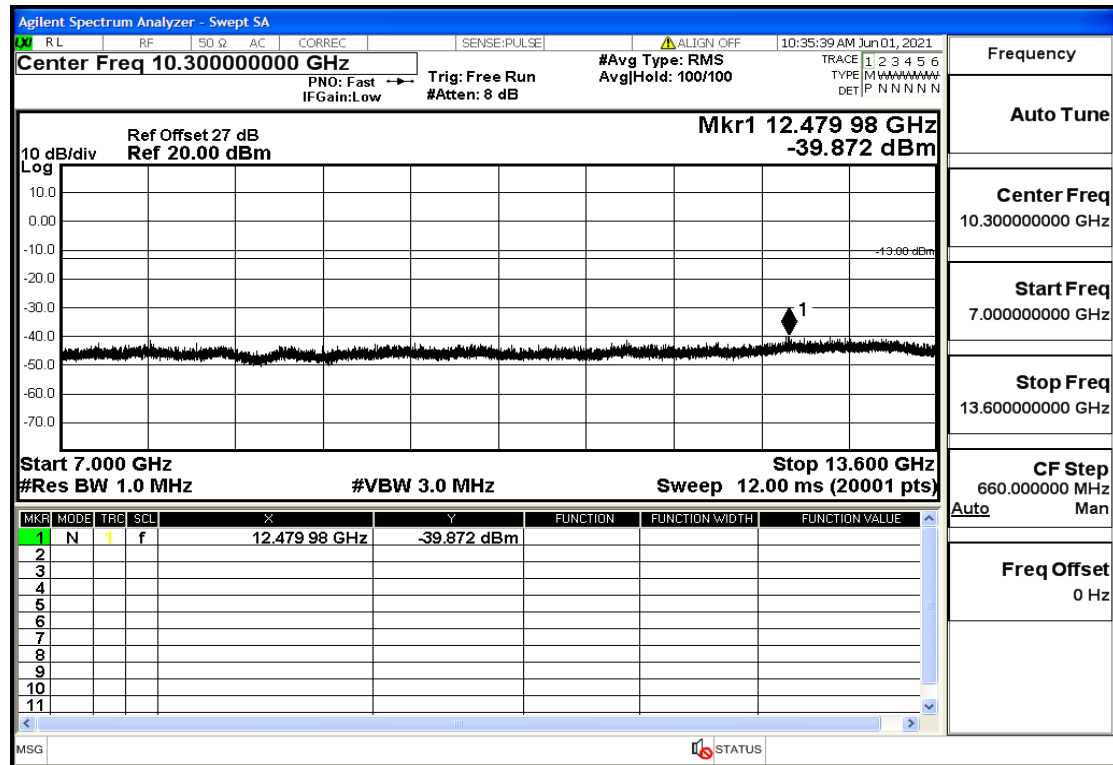
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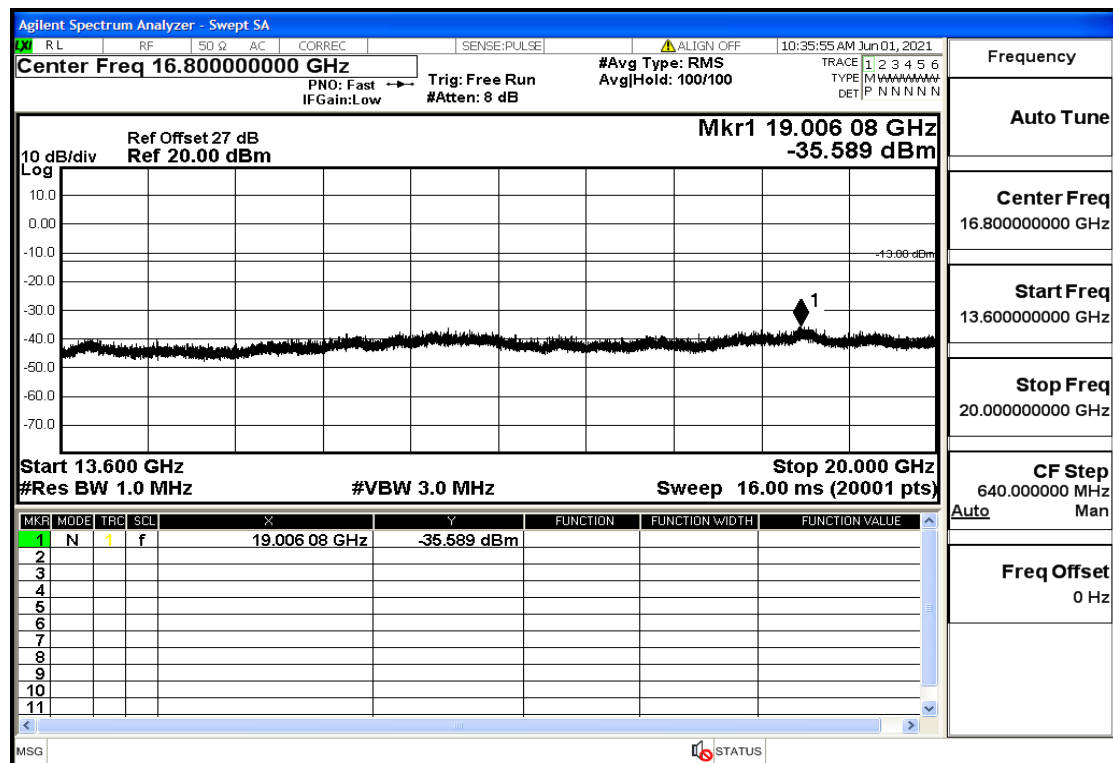
OB2-1.4-1850.7-QPSK-6#LOW@1GHz-7GHz@Pass



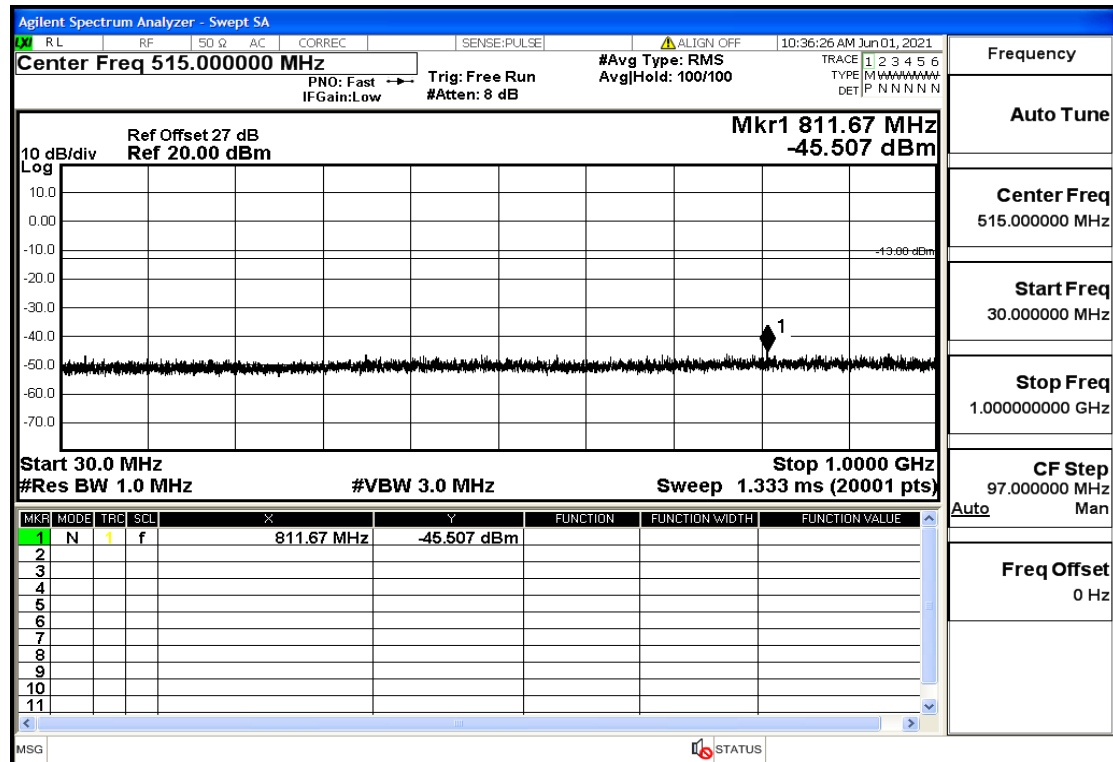
OB2-1.4-1850.7-QPSK-6#LOW@7GHz-13.6GHz@Pass



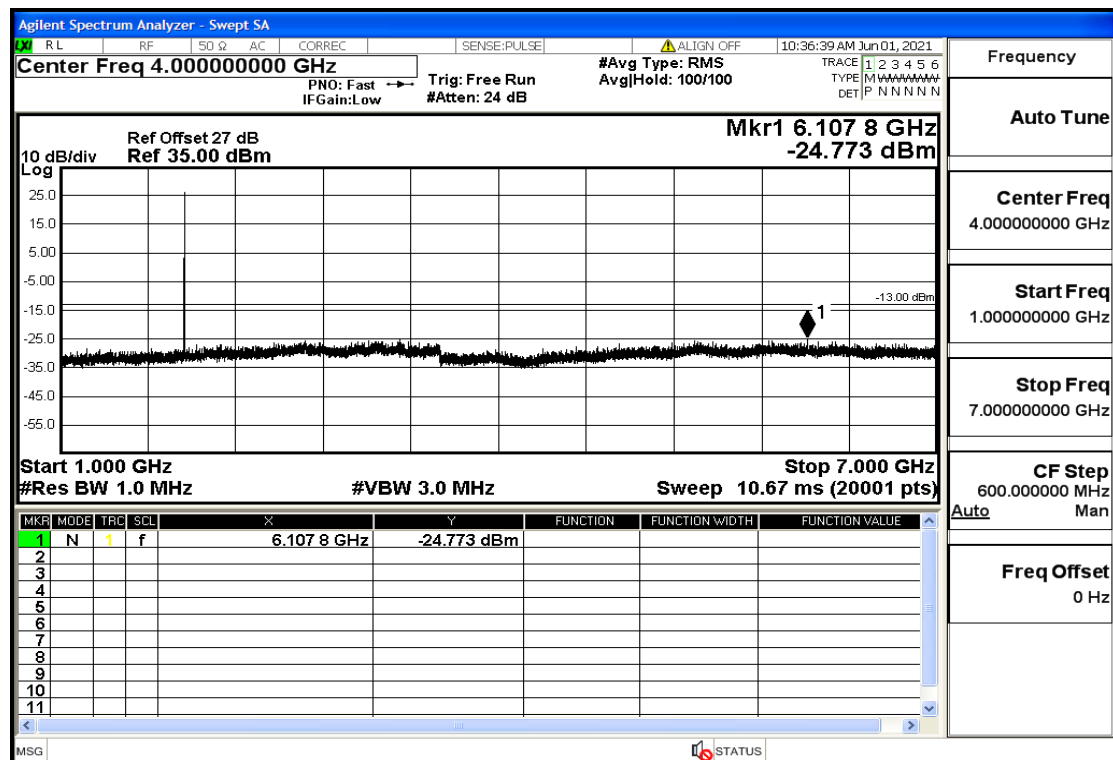
OB2-1.4-1850.7-QPSK-6#LOW@13.6GHz-20GHz@Pass



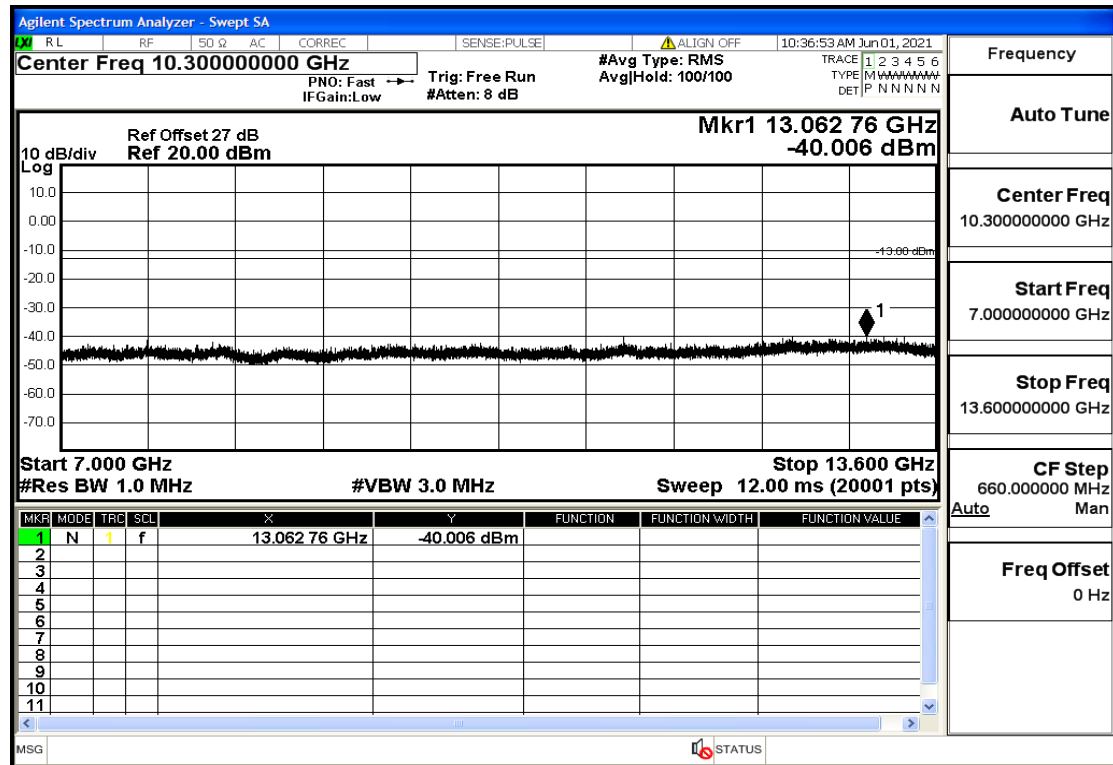
OB2-1.4-1850.7-QPSK-1#LOW@30mHz-1GHz@Pass



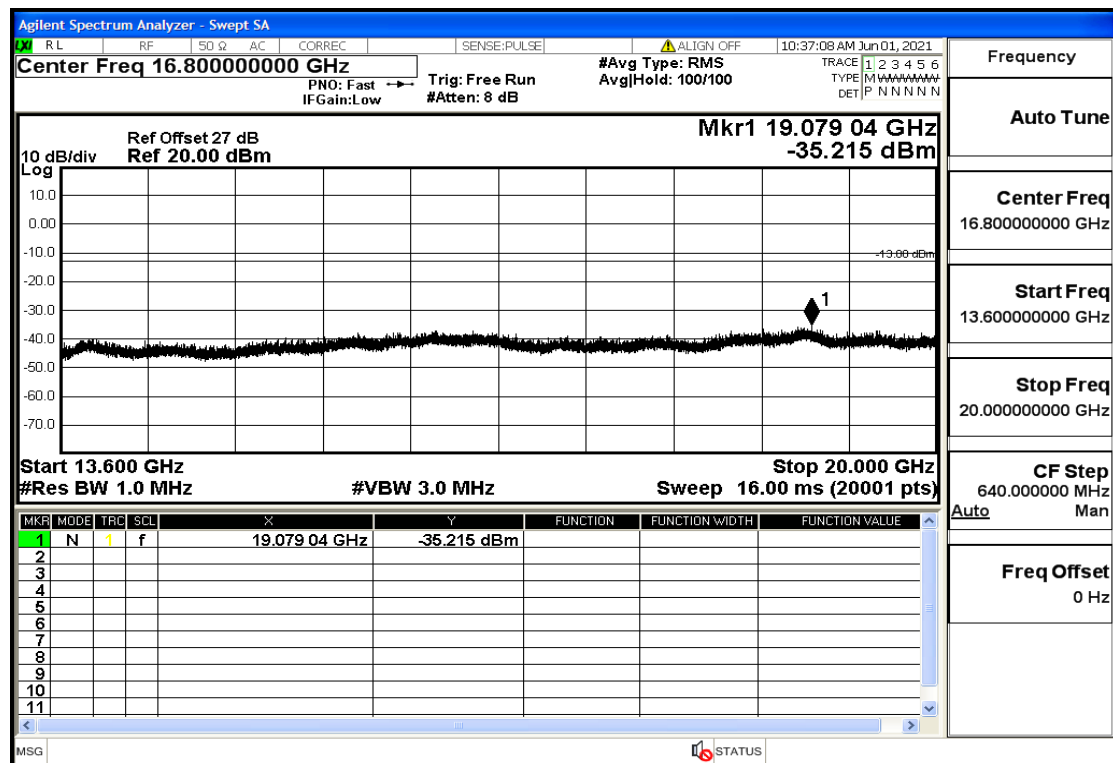
OB2-1.4-1850.7-QPSK-1#LOW@1GHz-7GHz@Pass



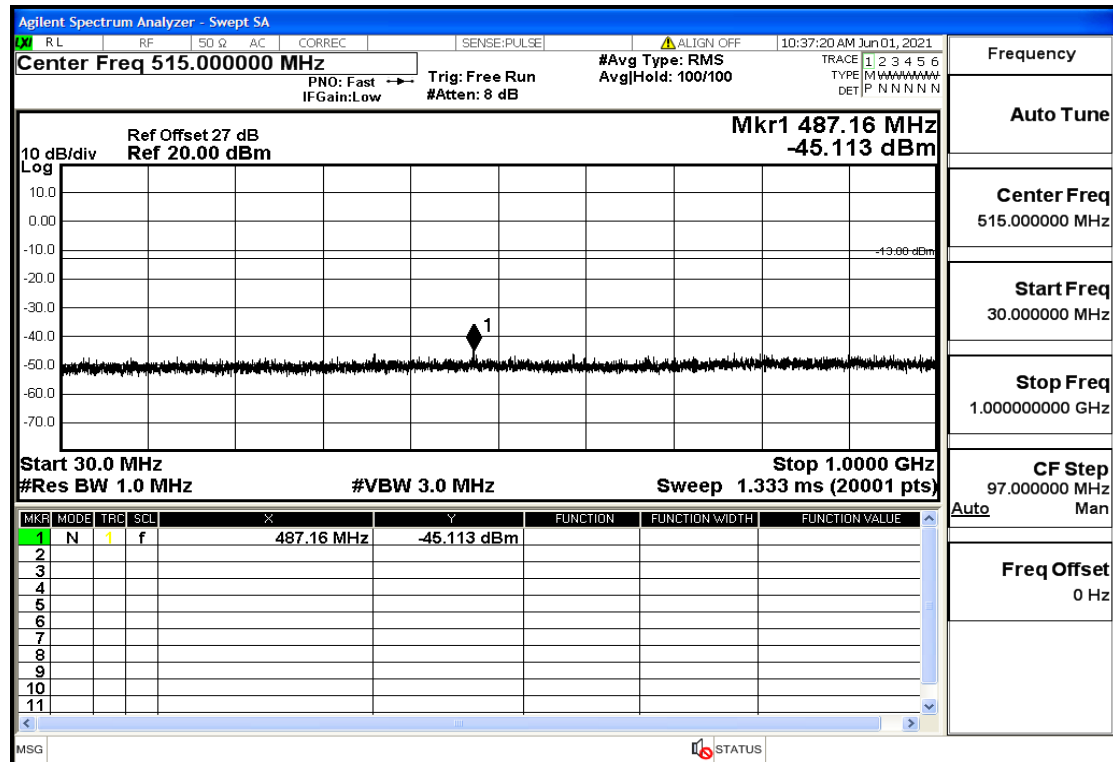
OB2-1.4-1850.7-QPSK-1#LOW@7GHz-13.6GHz@Pass



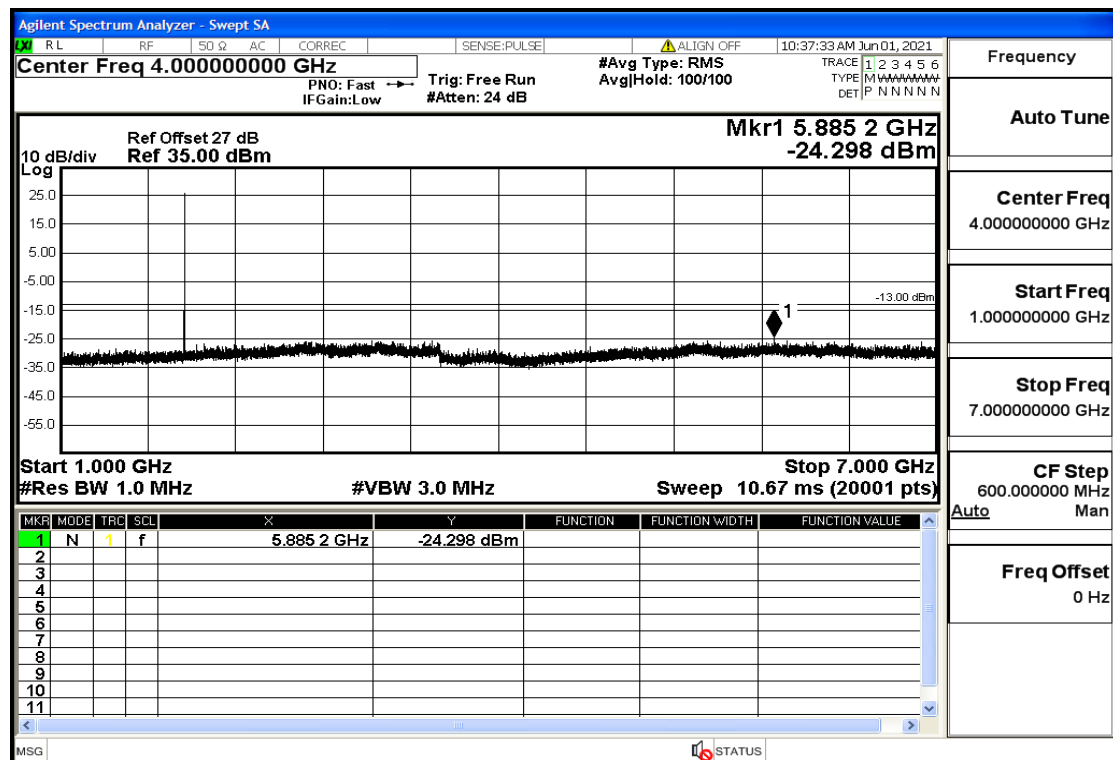
OB2-1.4-1850.7-QPSK-1#LOW@13.6GHz-20GHz@Pass



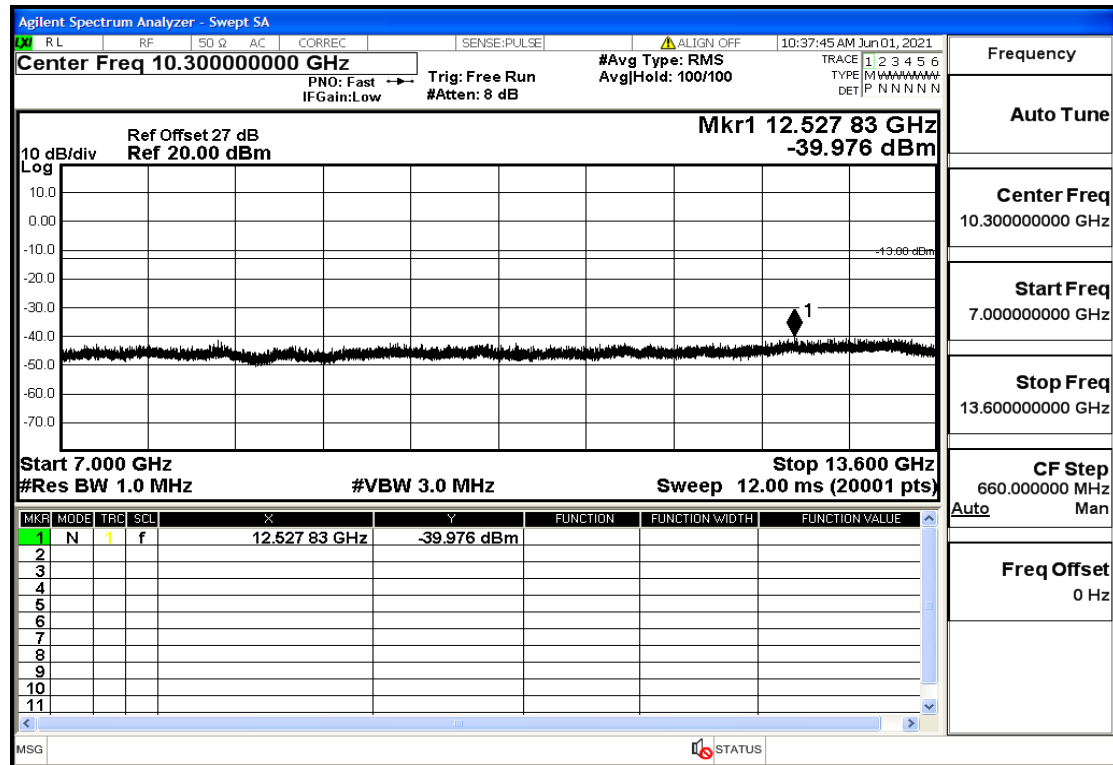
OB2-1.4-1850.7-QPSK-1#HIGH@30mHz-1GHz@Pass



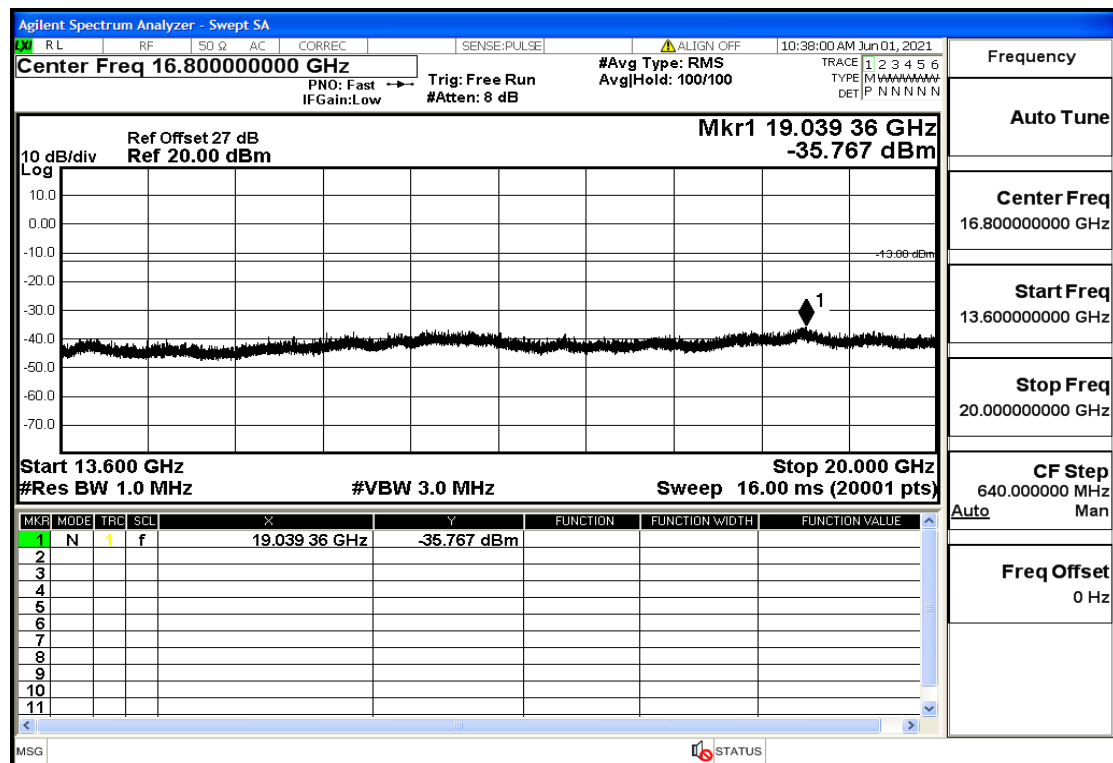
OB2-1.4-1850.7-QPSK-1#HIGH@1GHz-7GHz@Pass



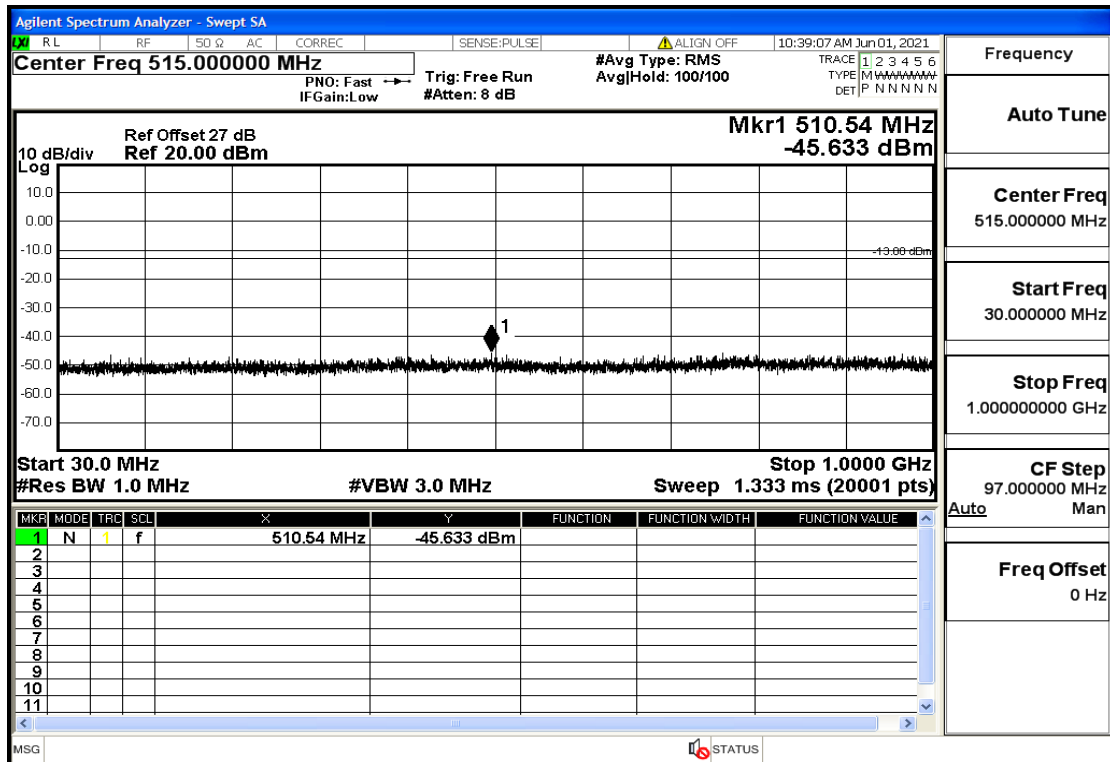
OB2-1.4-1850.7-QPSK-1#HIGH@7GHz-13.6GHz@Pass



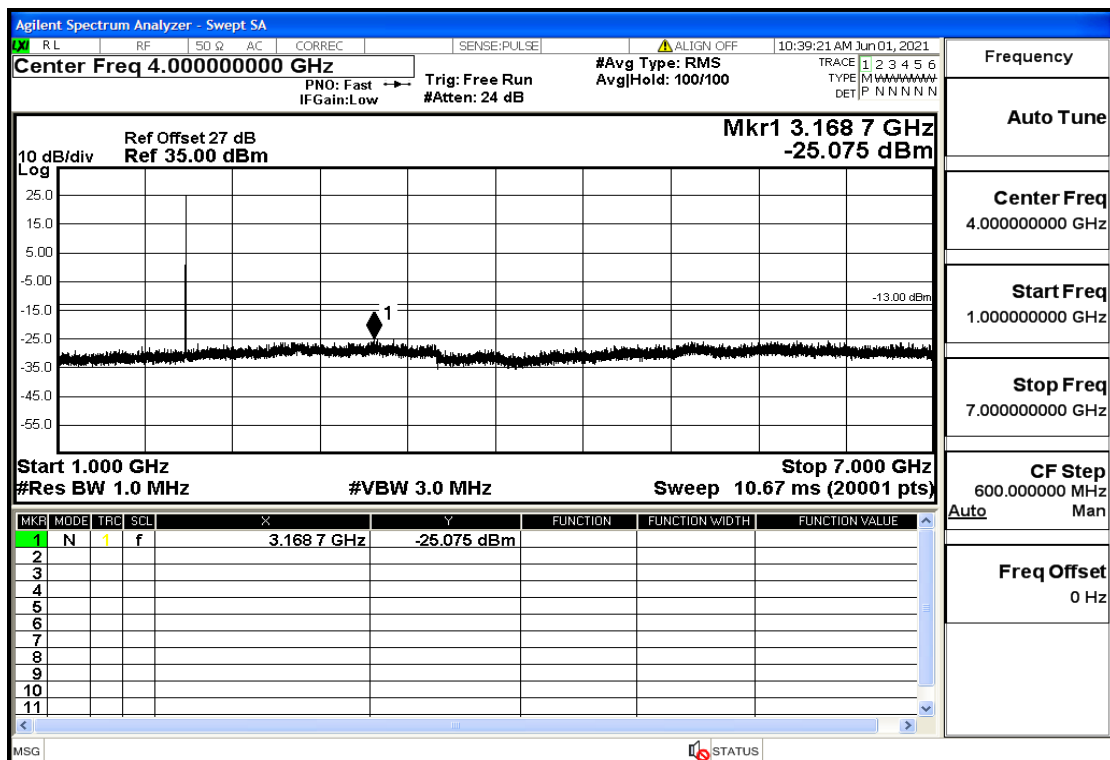
OB2-1.4-1850.7-QPSK-1#HIGH@13.6GHz-20GHz@Pass



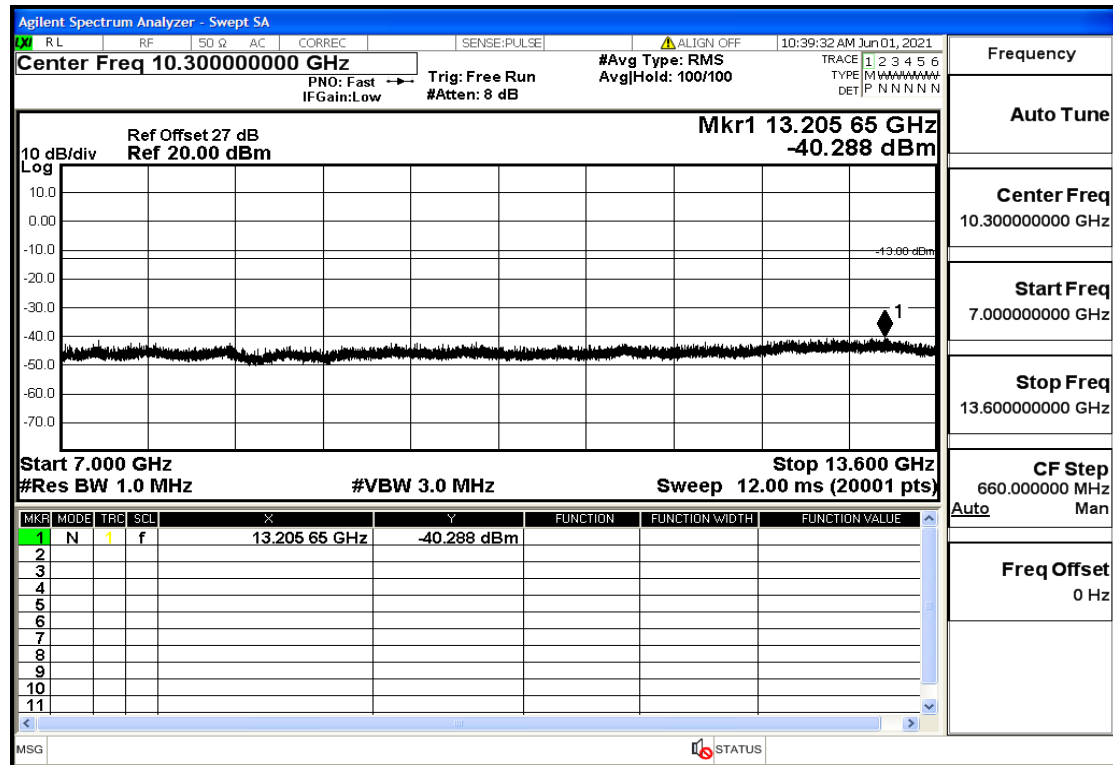
OB2-1.4-1880-QPSK-6#LOW@30mHz-1GHz@Pass



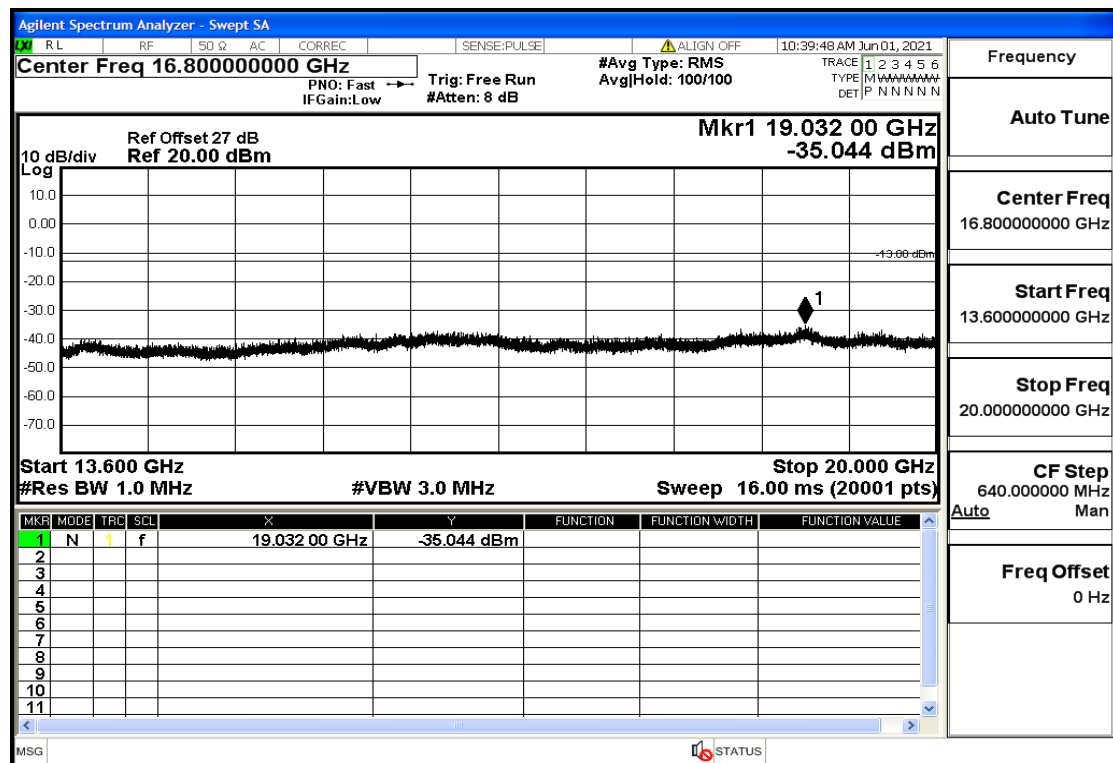
OB2-1.4-1880-QPSK-6#LOW@1GHz-7GHz@Pass



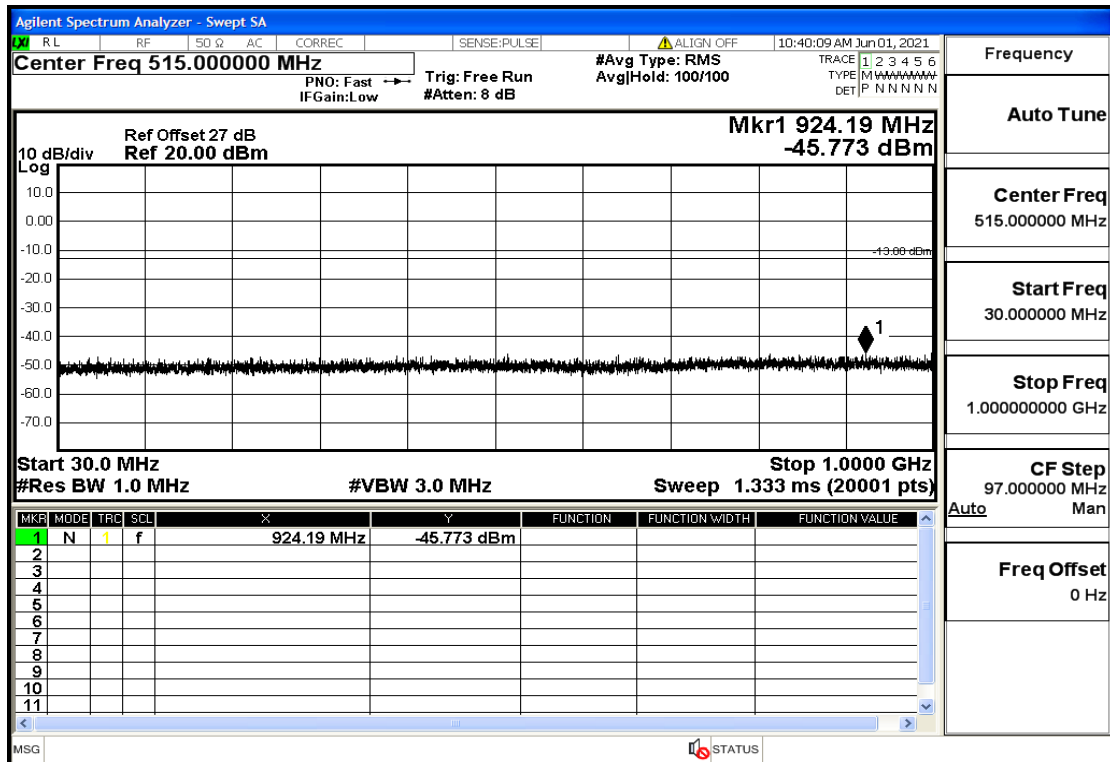
OB2-1.4-1880-QPSK-6#LOW@7GHz-13.6GHz@Pass



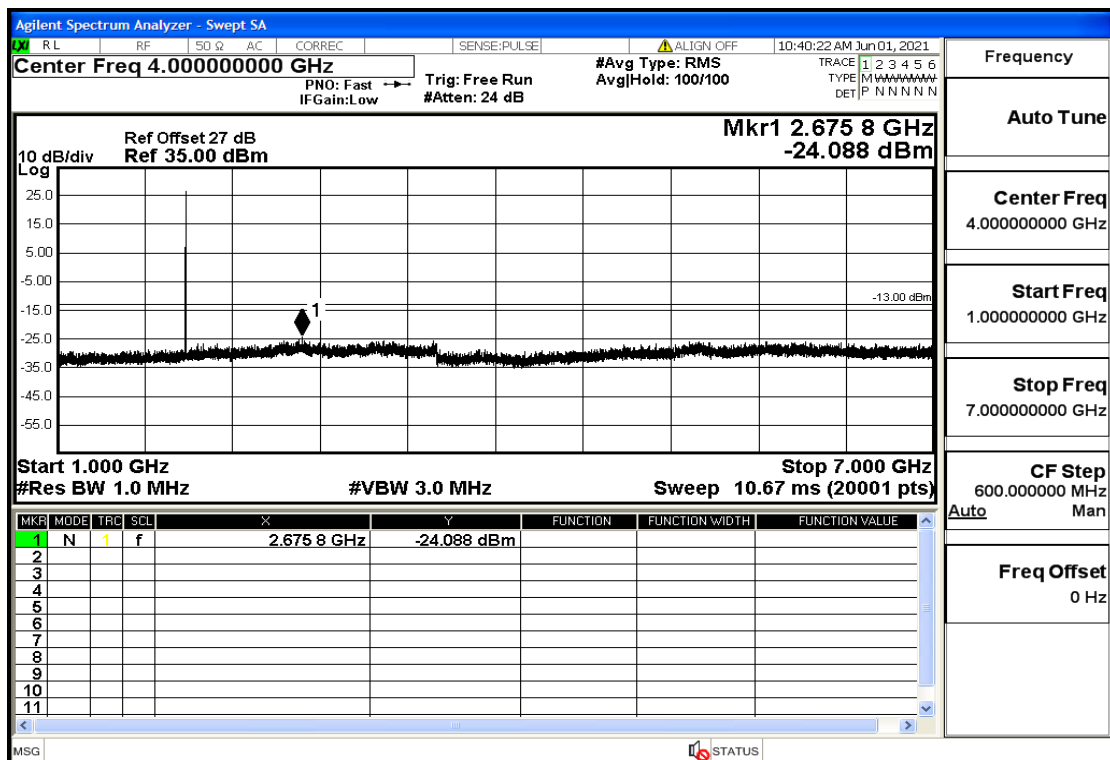
OB2-1.4-1880-QPSK-6#LOW@13.6GHz-20GHz@Pass



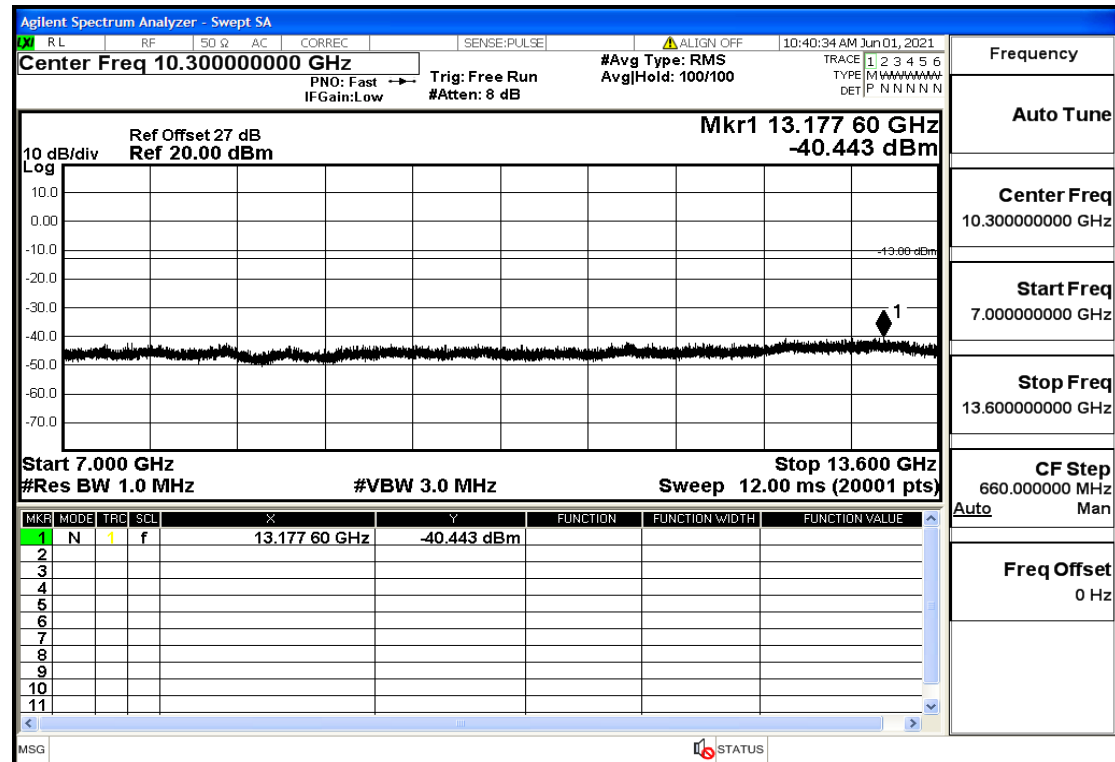
OB2-1.4-1880-QPSK-1#LOW@30mHz-1GHz@Pass



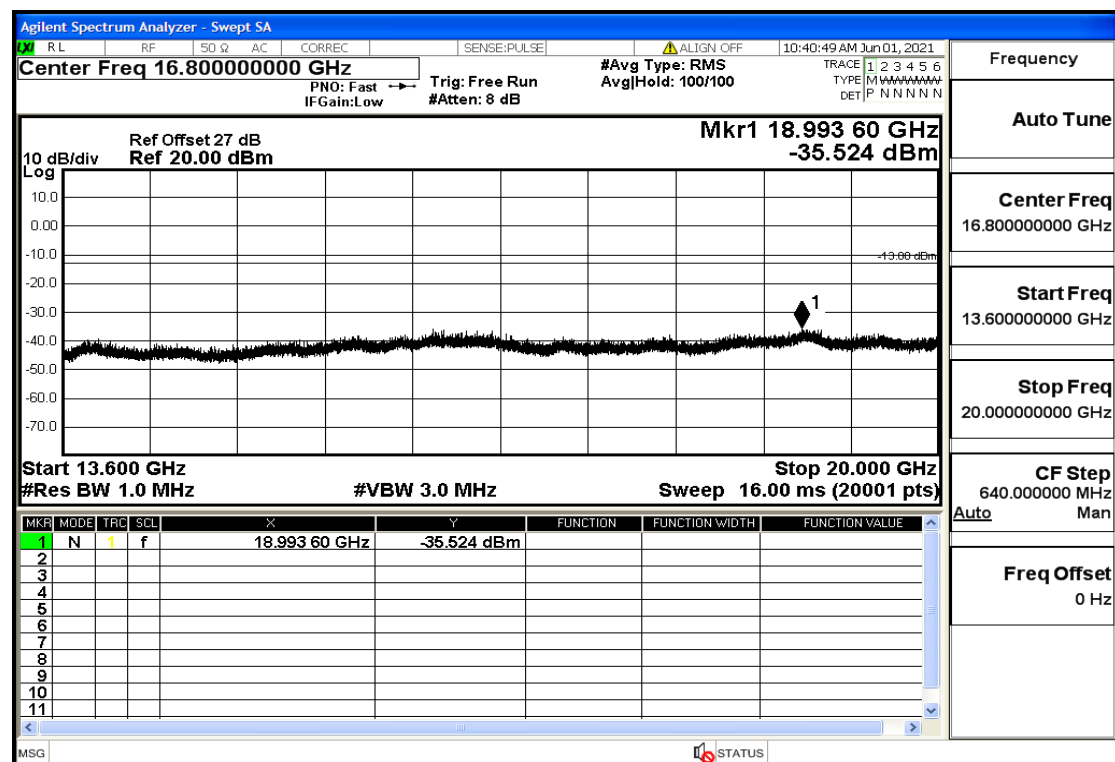
OB2-1.4-1880-QPSK-1#LOW@1GHz-7GHz@Pass



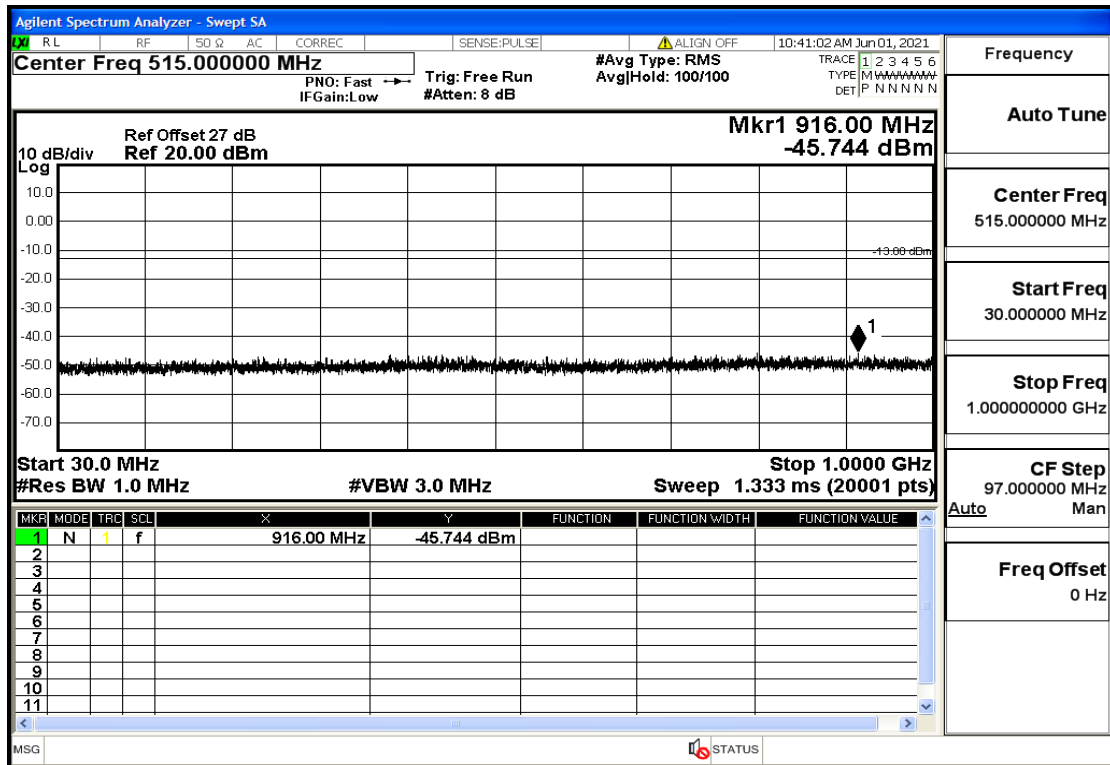
OB2-1.4-1880-QPSK-1#LOW@7GHz-13.6GHz@Pass



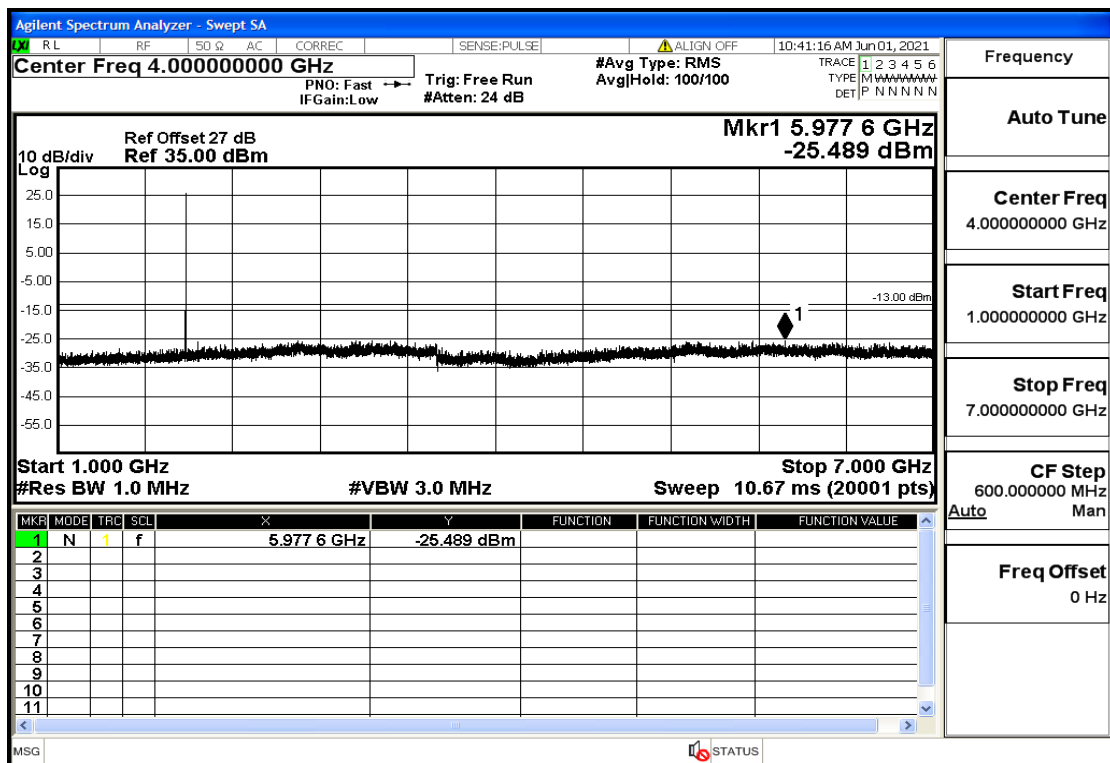
OB2-1.4-1880-QPSK-1#LOW@13.6GHz-20GHz@Pass



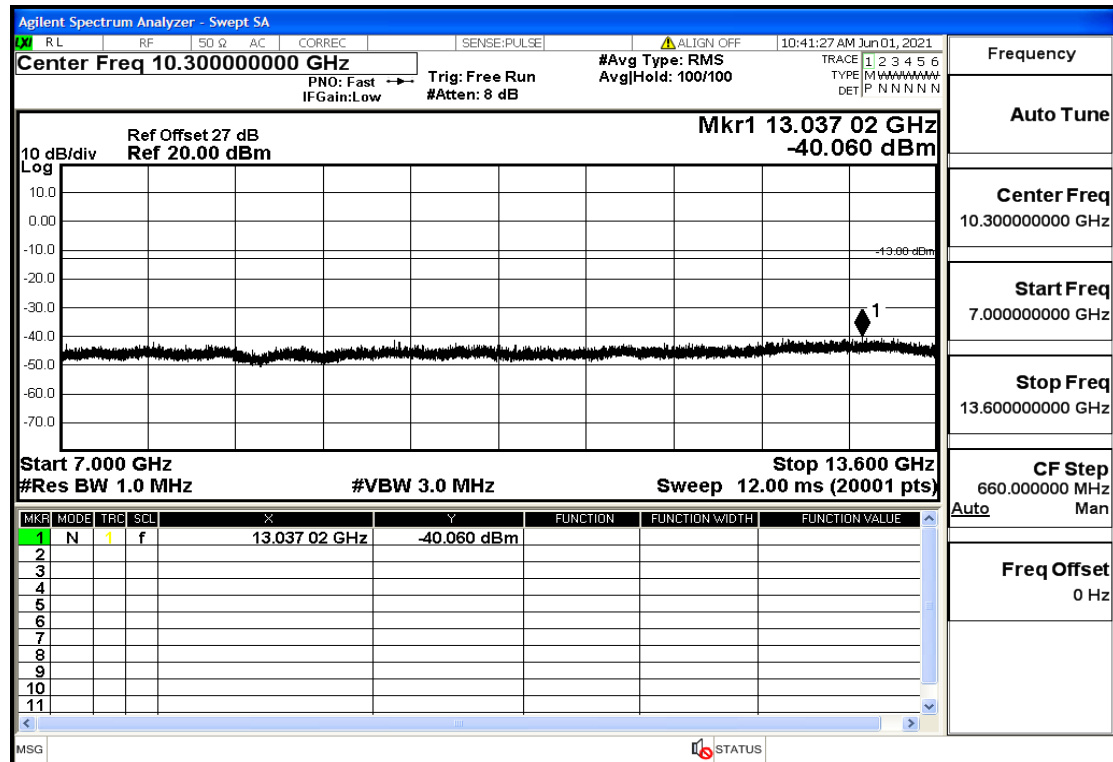
OB2-1.4-1880-QPSK-1#HIGH@30mHz-1GHz@Pass



OB2-1.4-1880-QPSK-1#HIGH@1GHz-7GHz@Pass



OB2-1.4-1880-QPSK-1#HIGH@7GHz-13.6GHz@Pass



OB2-1.4-1880-QPSK-1#HIGH@13.6GHz-20GHz@Pass

