

RF Test Data for LTE (Conducted Measurement)

Product Name: Mobile phone

Trade Mark: PCD

Test Model: P40

Sample ID: TZ210602337-1#

FCC ID: 2ALJJP40

Environmental Conditions

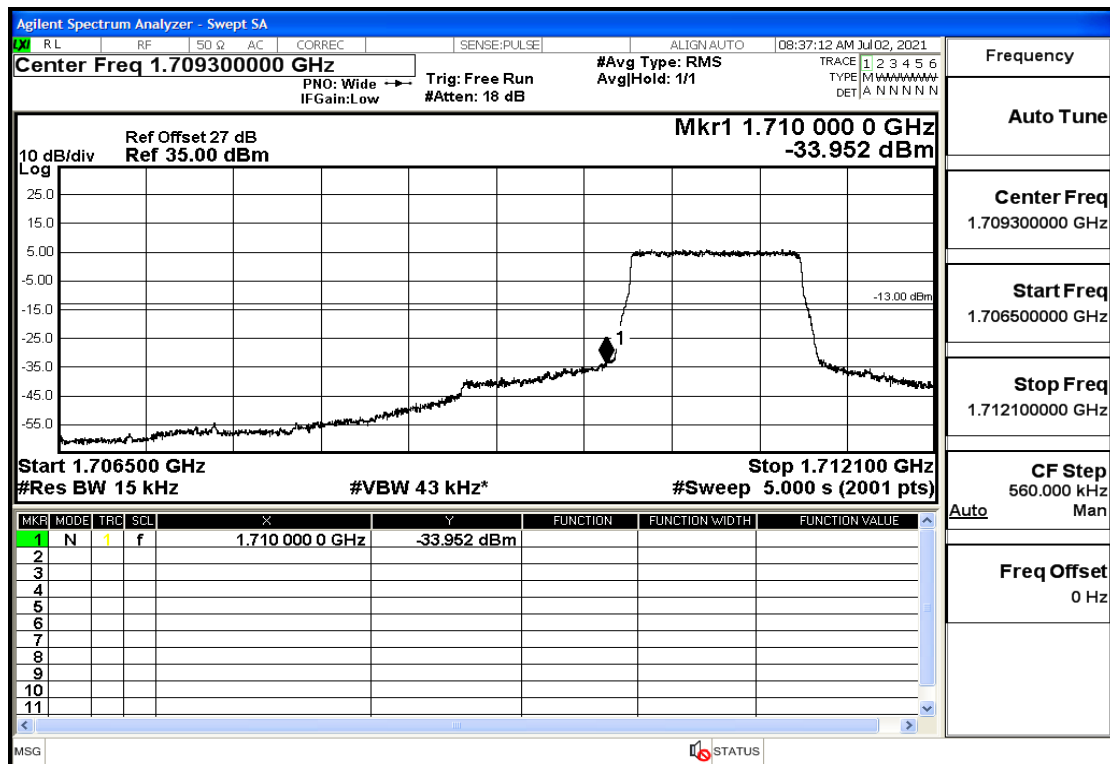
Temperature:	23.8℃
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
Remark:	For LTE Band5

Band Edge and Emission Mask

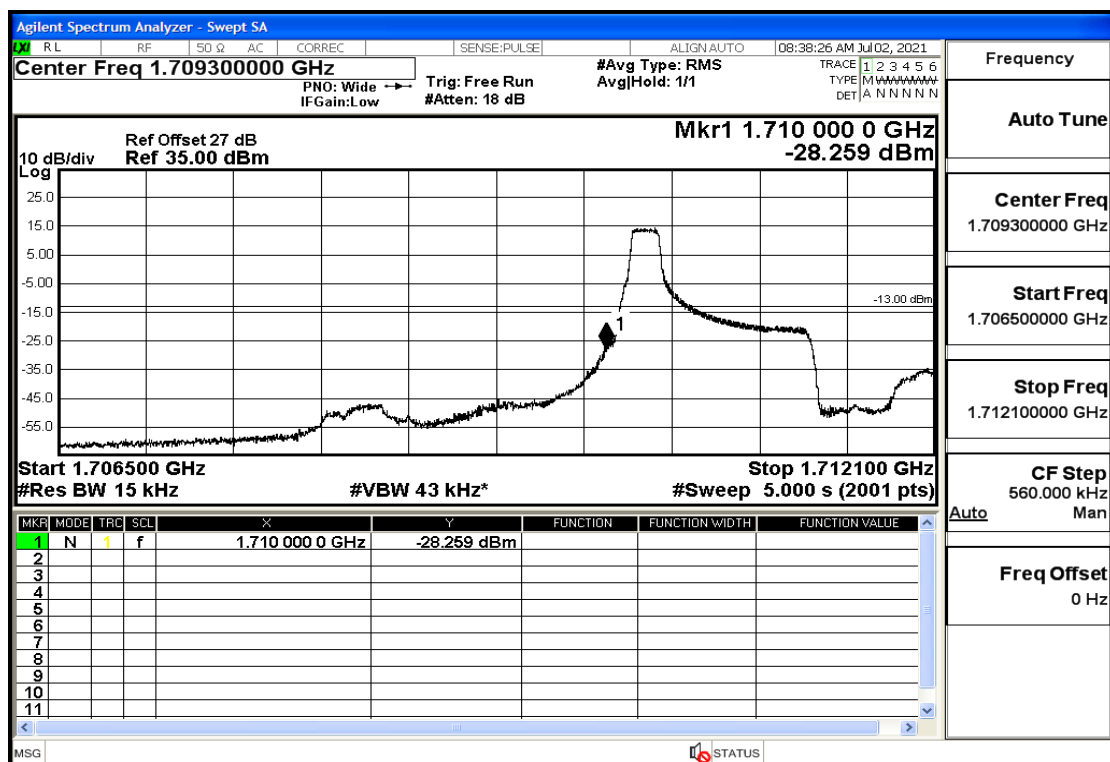
Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Conclusion
Band4	1.4	1710.7	QPSK	6	LOW	Pass
Band4	1.4	1710.7	QPSK	1	LOW	Pass
Band4	1.4	1710.7	16QAM	6	LOW	Pass
Band4	1.4	1710.7	16QAM	1	LOW	Pass
Band4	1.4	1754.3	QPSK	6	LOW	Pass
Band4	1.4	1754.3	QPSK	1	HIGH	Pass
Band4	1.4	1754.3	16QAM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

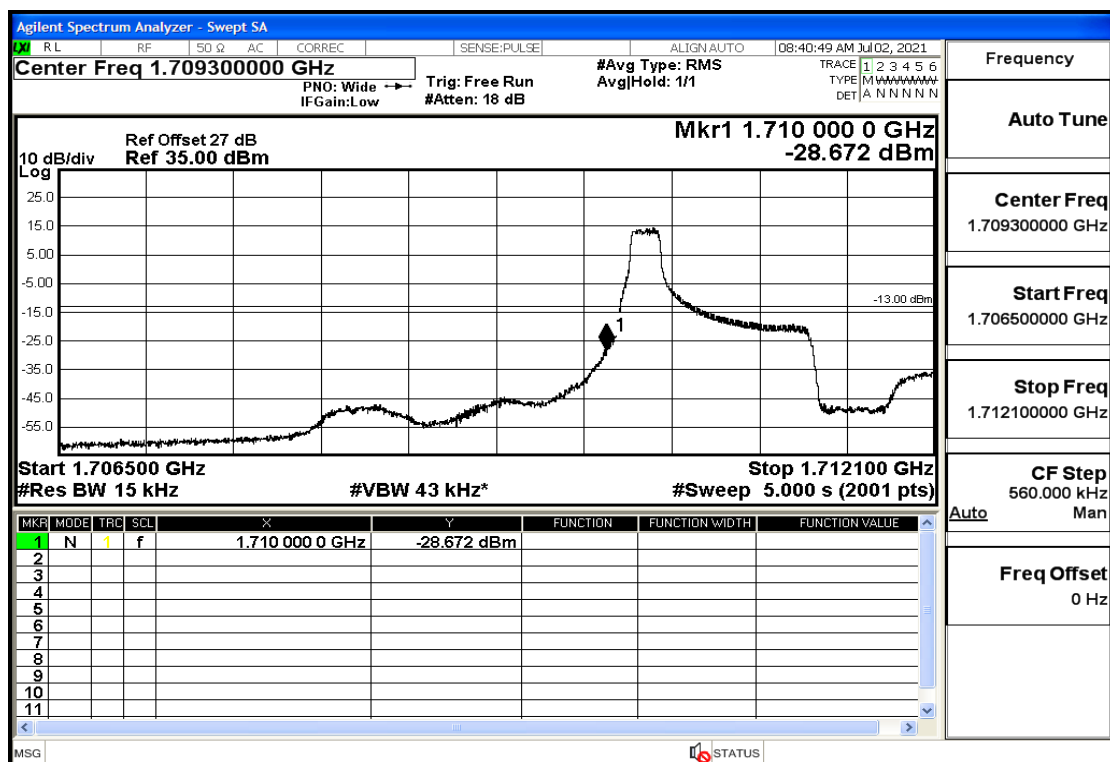
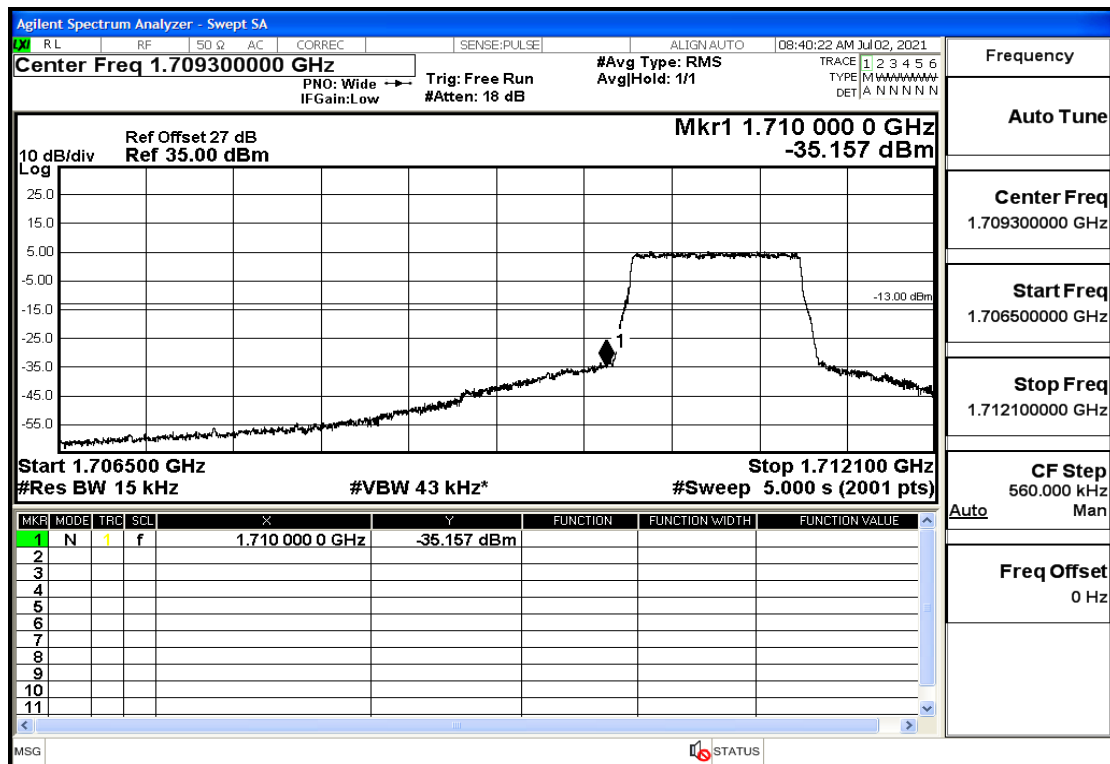
Band4	20	1720	QPSK	1	LOW	Pass
Band4	20	1720	16QAM	100	LOW	Pass
Band4	20	1720	16QAM	1	LOW	Pass
Band4	20	1745	QPSK	100	LOW	Pass
Band4	20	1745	QPSK	1	HIGH	Pass
Band4	20	1745	16QAM	100	LOW	Pass
Band4	20	1745	16QAM	1	HIGH	Pass

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

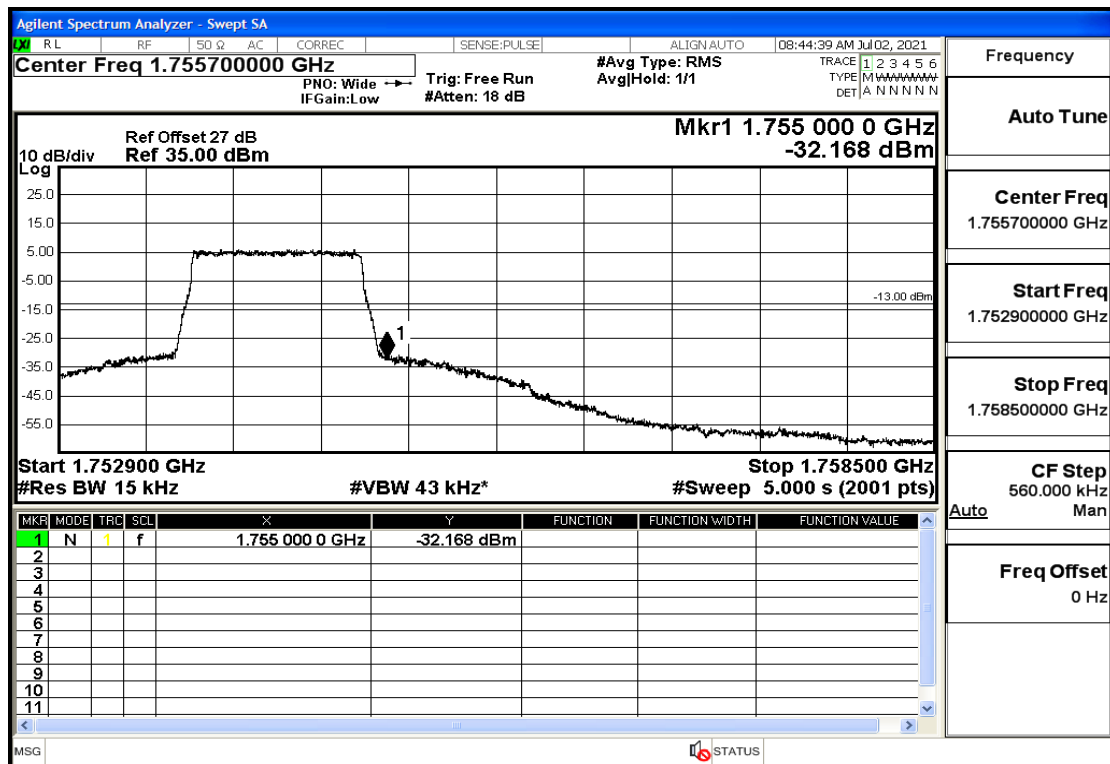


Band4-1.4-1710.7-QPSK-1#LOW@Pass

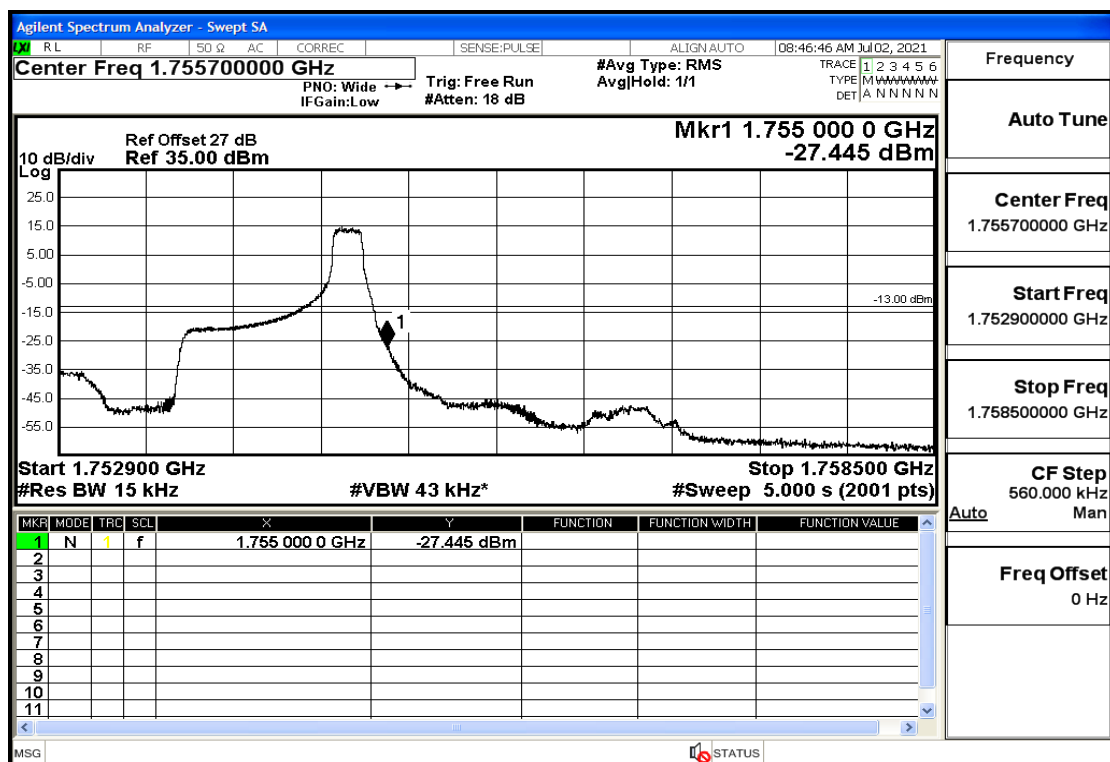




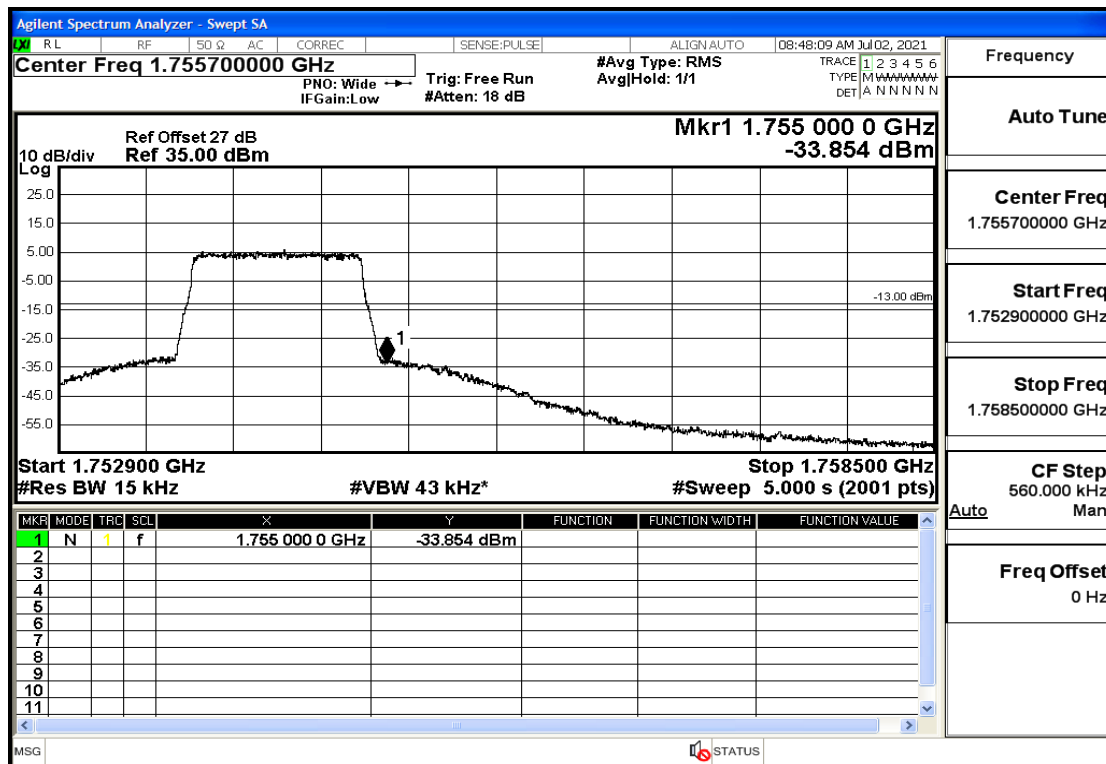
Band4-1.4-1754.3-QPSK-6#LOW@Pass



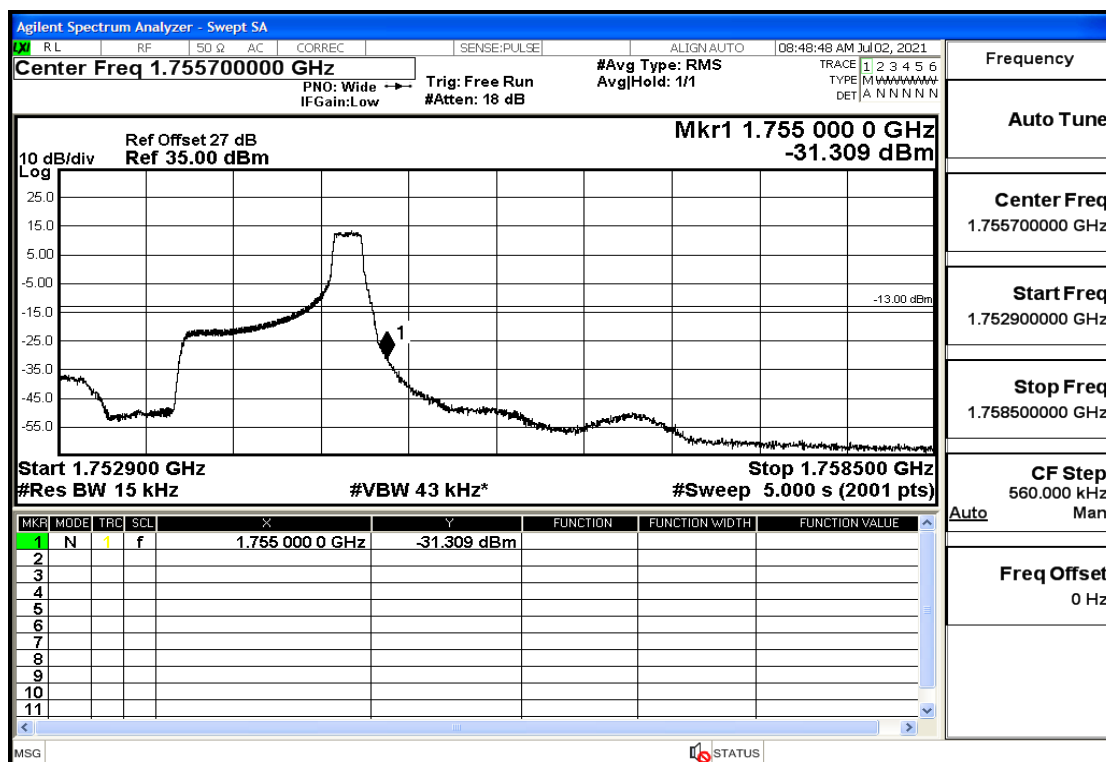
Band4-1.4-1754.3-QPSK-1#HIGH@Pass



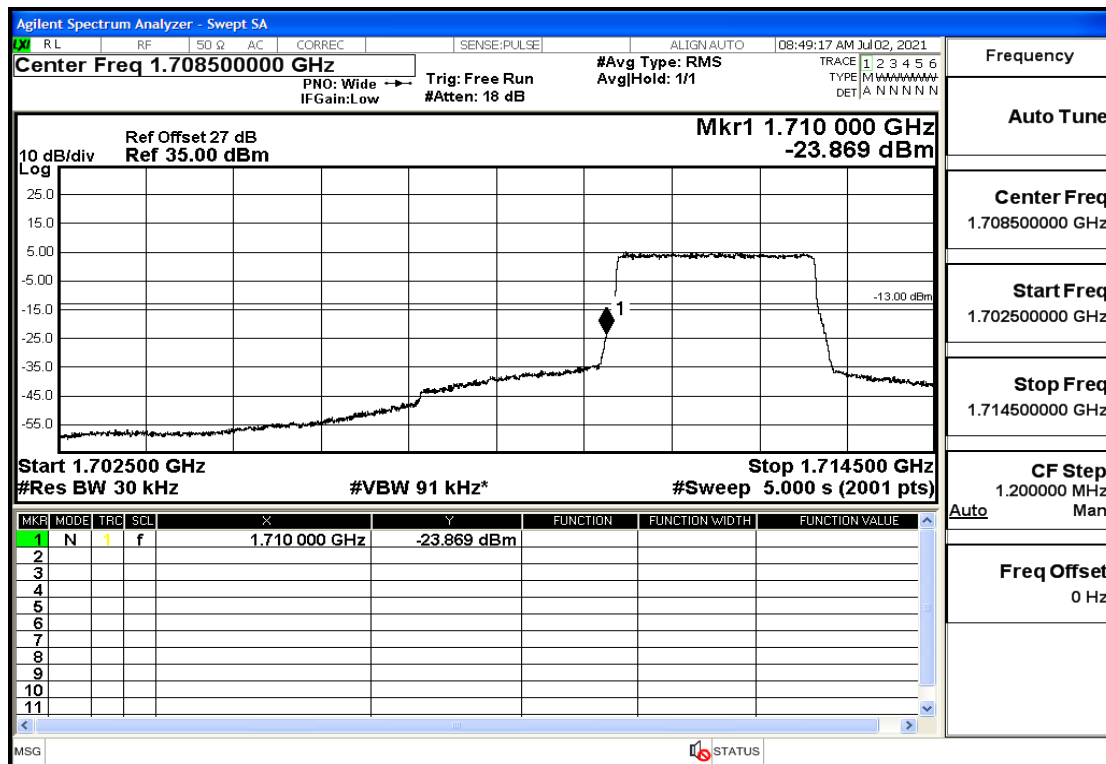
Band4-1.4-1754.3-16QAM-6#LOW@Pass



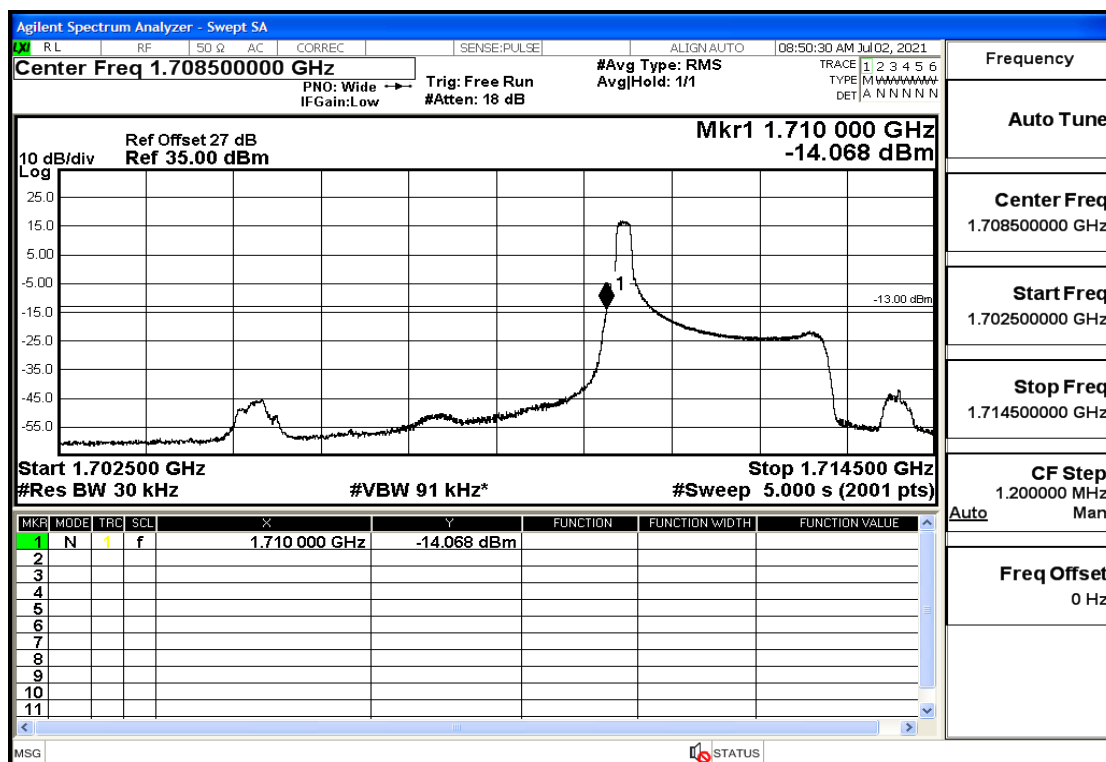
Band4-1.4-1754.3-16QAM-1#HIGH@Pass



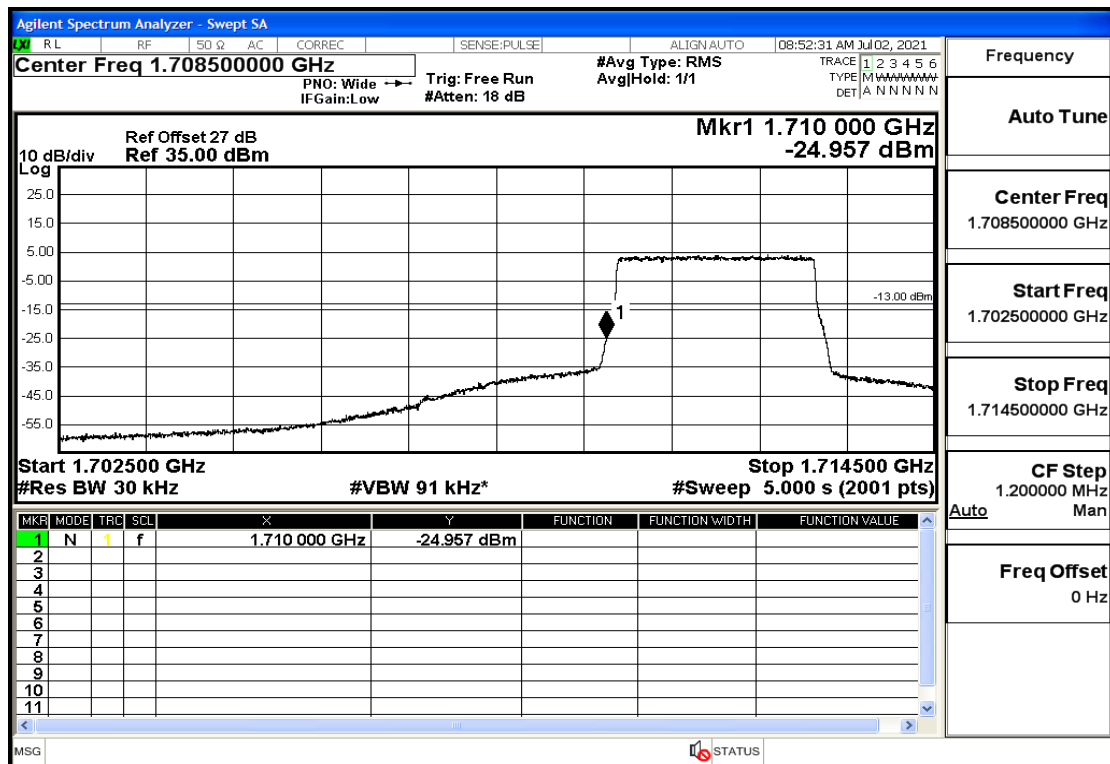
Band4-3-1711.5-QPSK-15#LOW@Pass



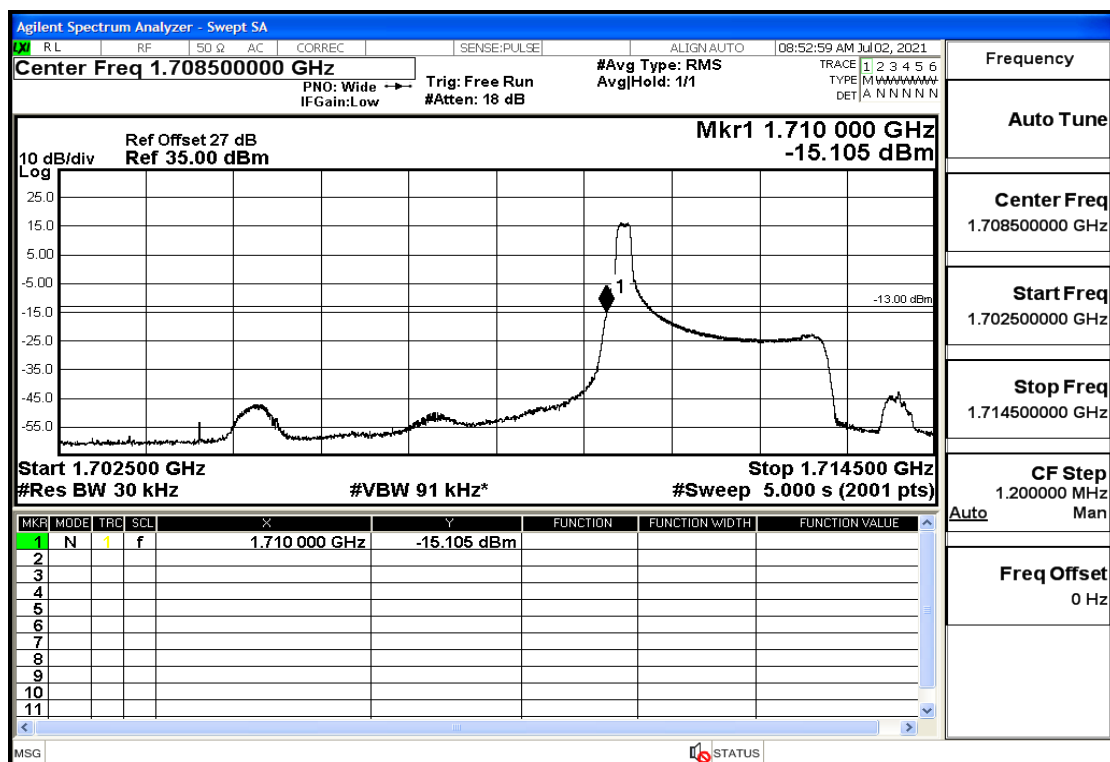
Band4-3-1711.5-QPSK-1#LOW@Pass



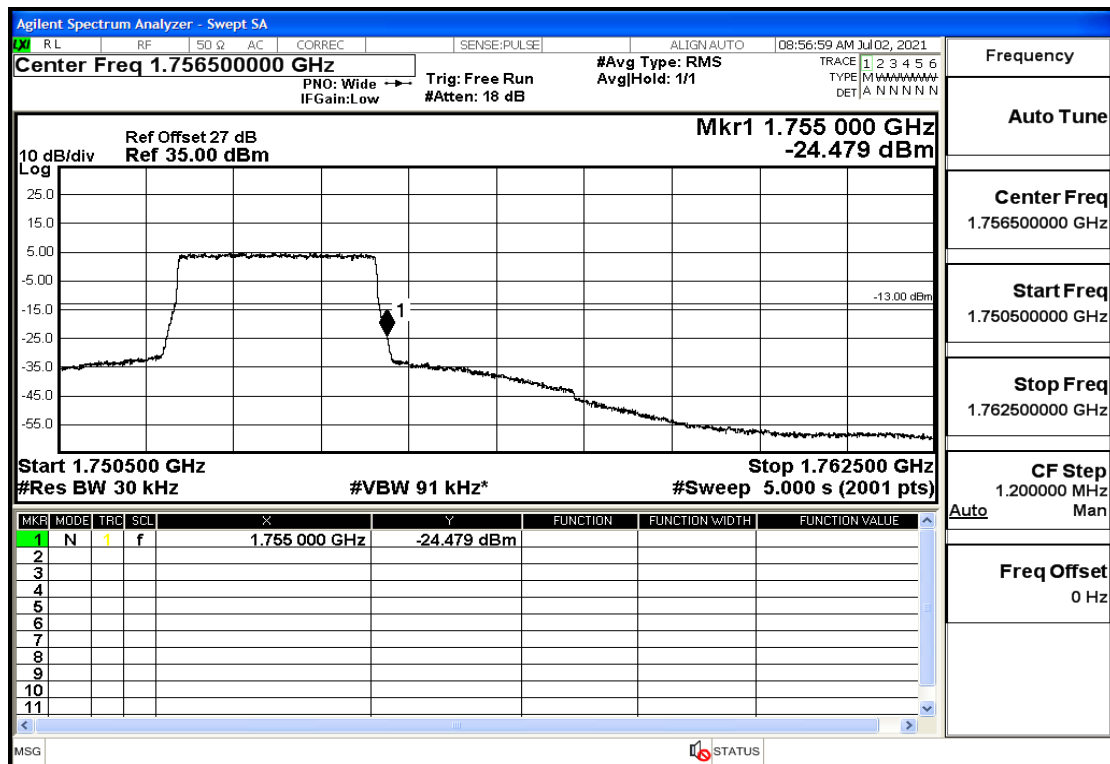
Band4-3-1711.5-16QAM-15#LOW@Pass



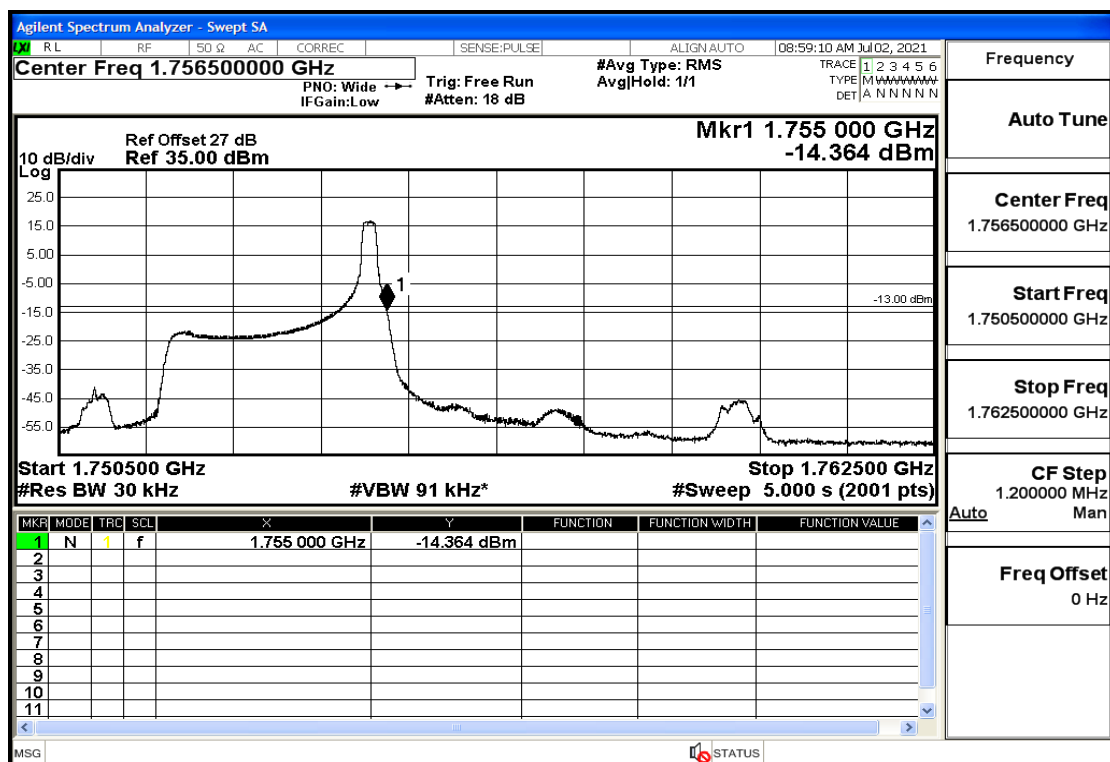
Band4-3-1711.5-16QAM-1#LOW@Pass



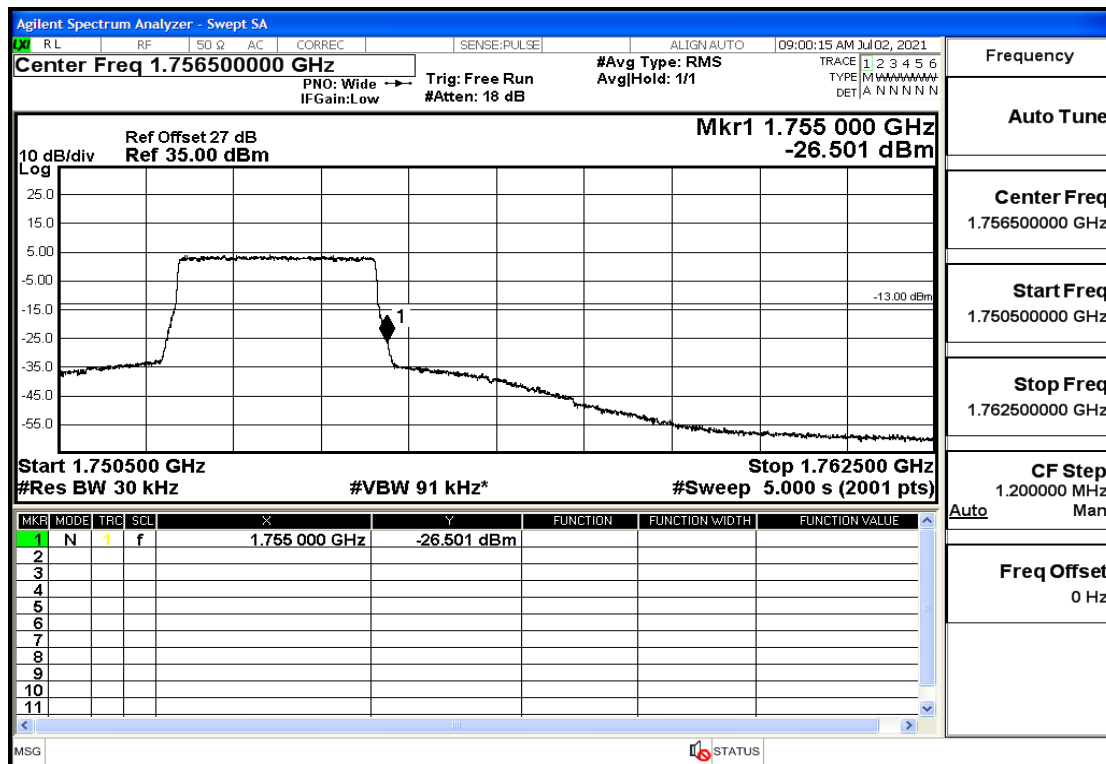
Band4-3-1753.5-QPSK-15#LOW@Pass



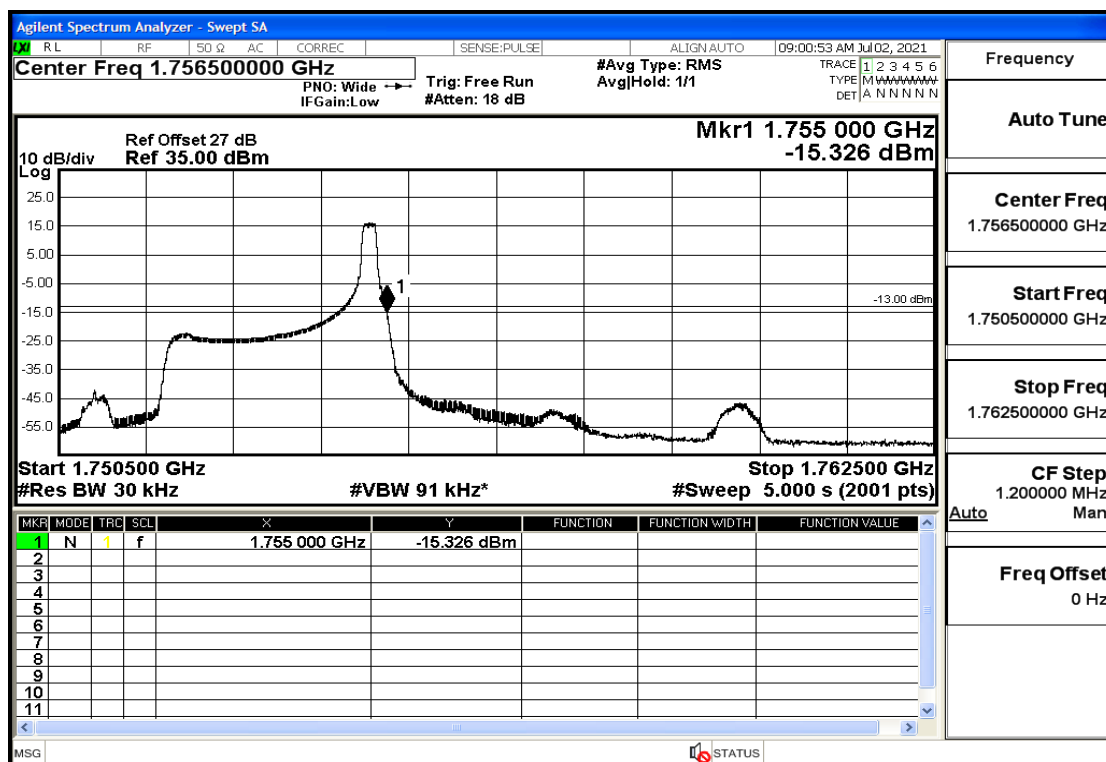
Band4-3-1753.5-QPSK-1#HIGH@Pass



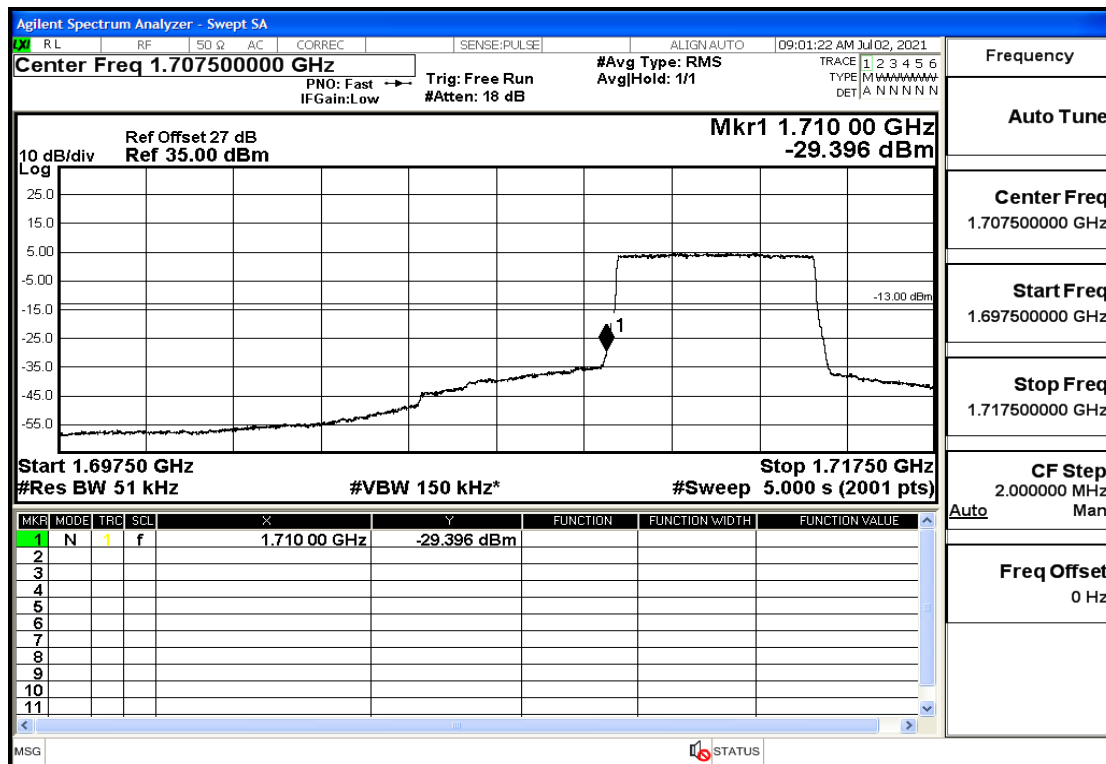
Band4-3-1753.5-16QAM-15#LOW@Pass



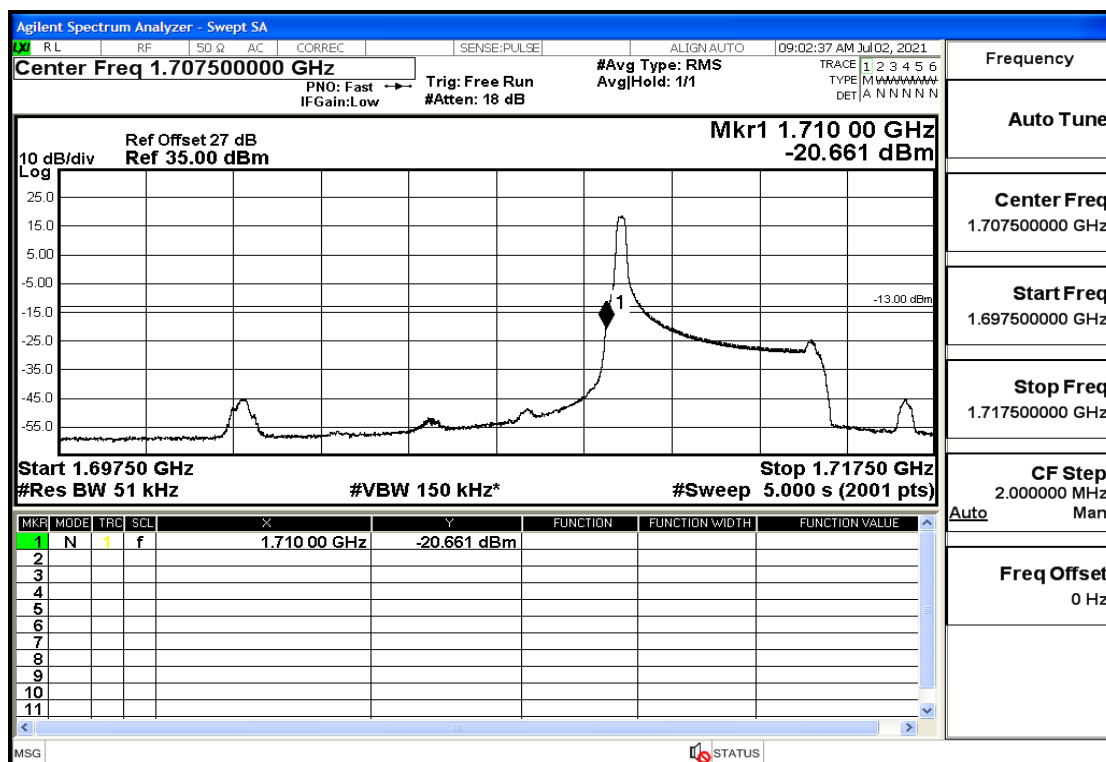
Band4-3-1753.5-16QAM-1#HIGH@Pass



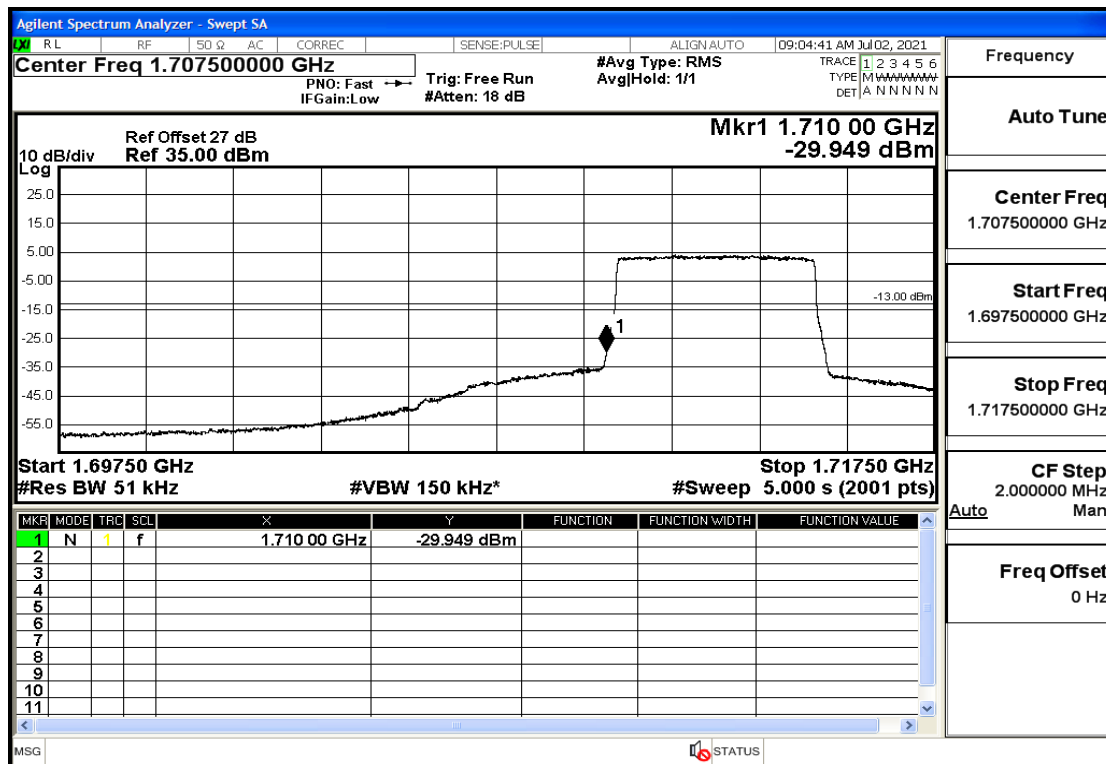
Band4-5-1712.5-QPSK-25#LOW@Pass



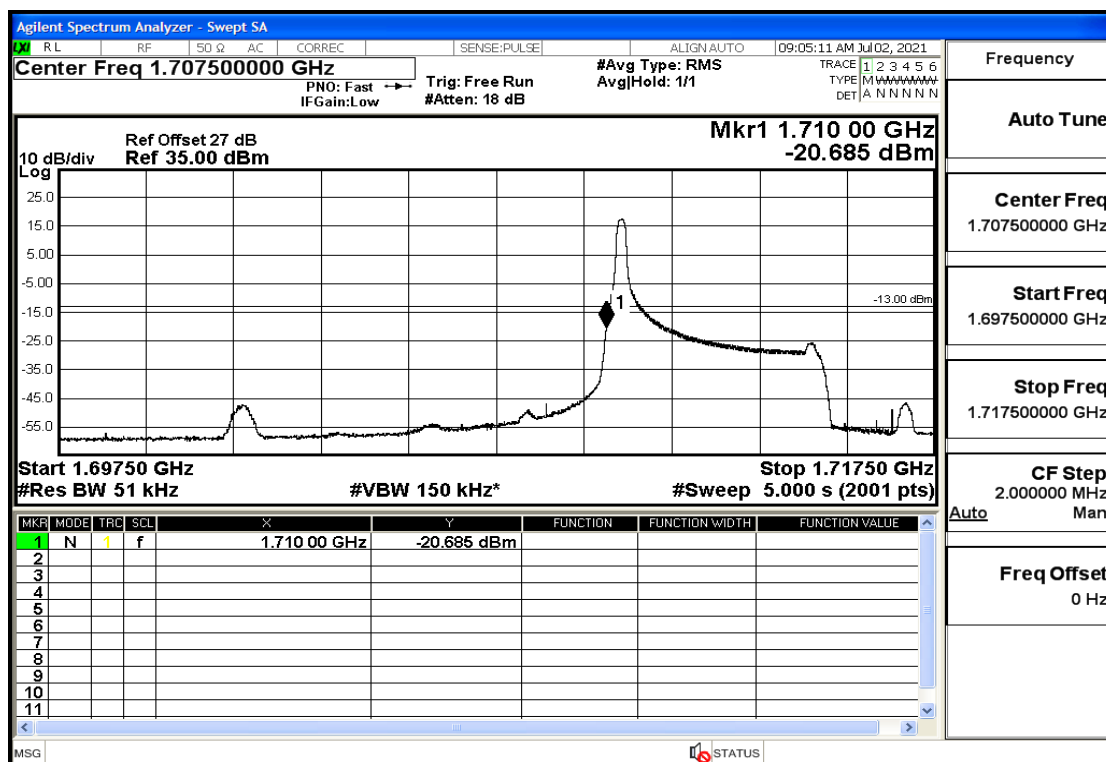
Band4-5-1712.5-QPSK-1#LOW@Pass



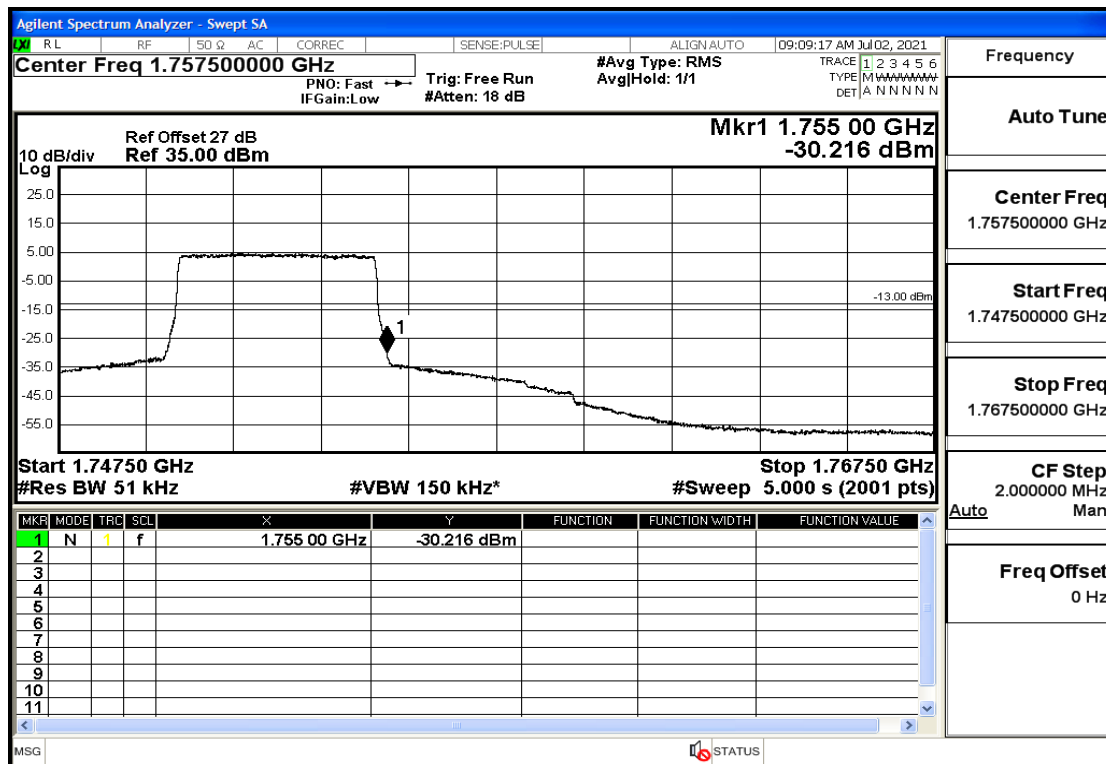
Band4-5-1712.5-16QAM-25#LOW@Pass



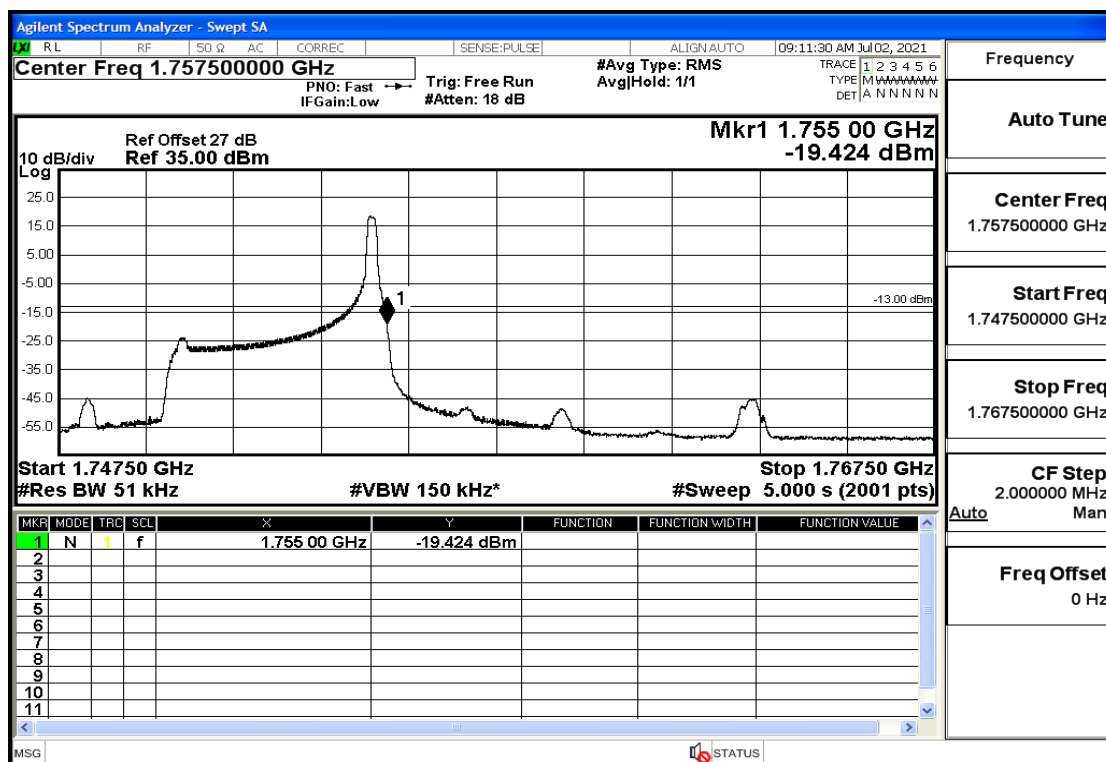
Band4-5-1712.5-16QAM-1#LOW@Pass



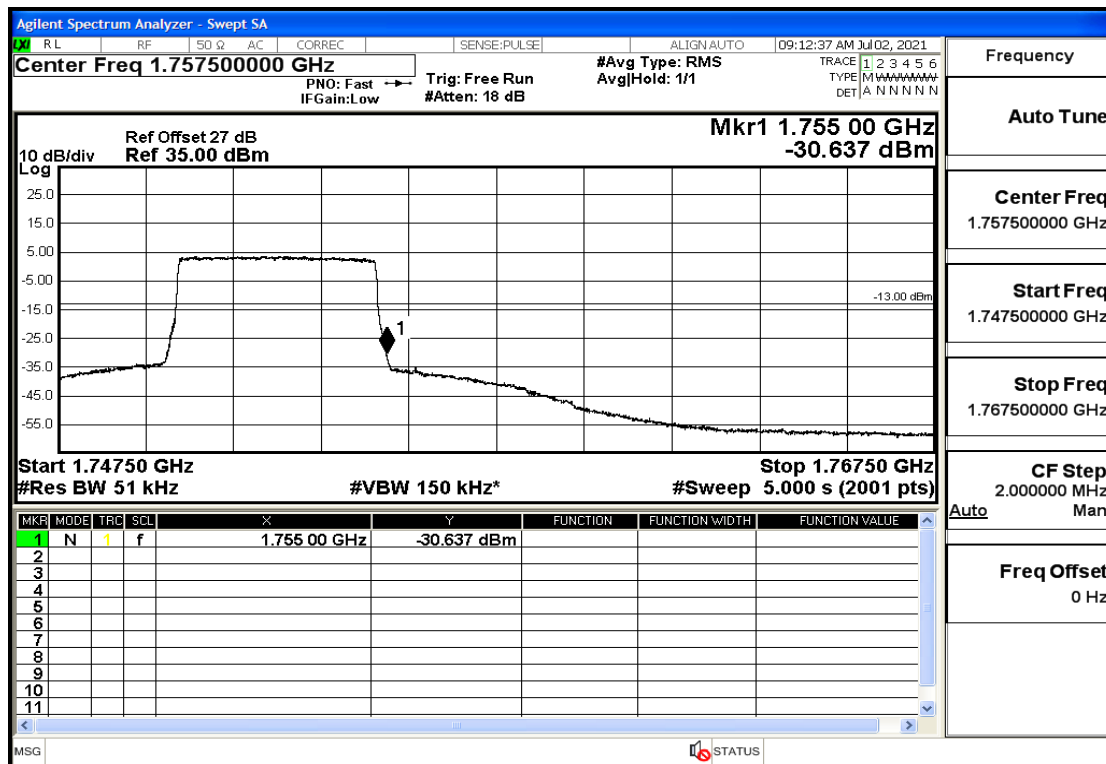
Band4-5-1752.5-QPSK-25#LOW@Pass



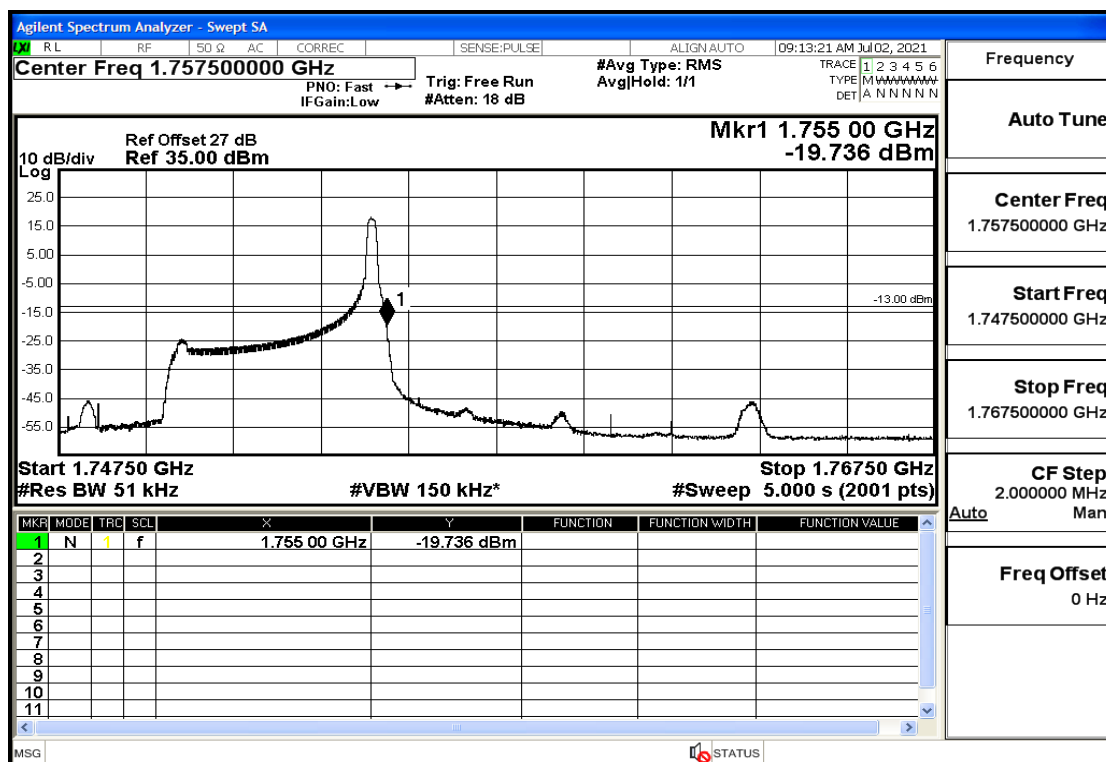
Band4-5-1752.5-QPSK-1#HIGH@Pass



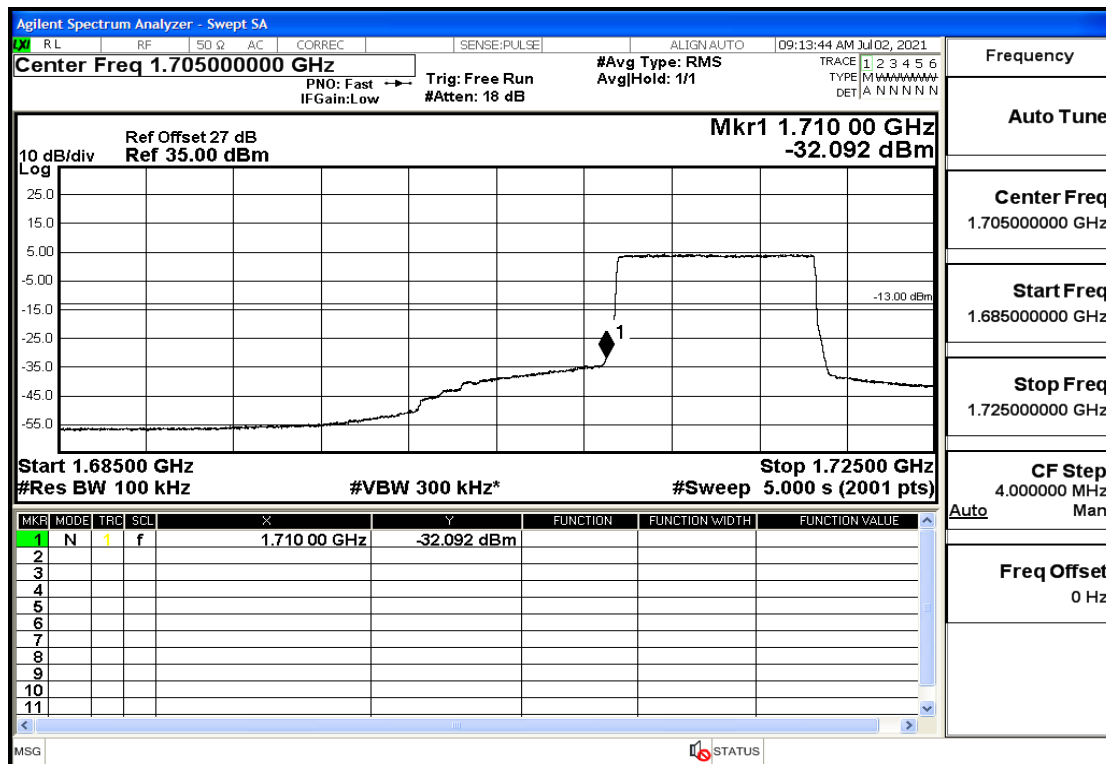
Band4-5-1752.5-16QAM-25#LOW@Pass



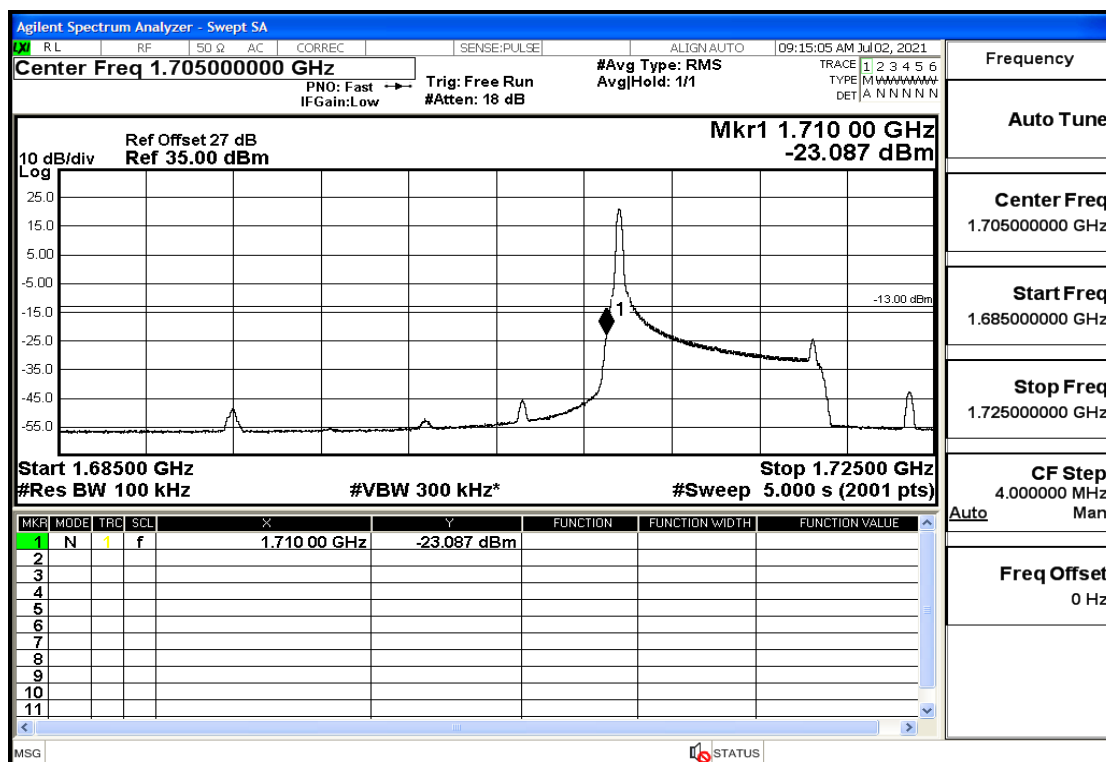
Band4-5-1752.5-16QAM-1#HIGH@Pass



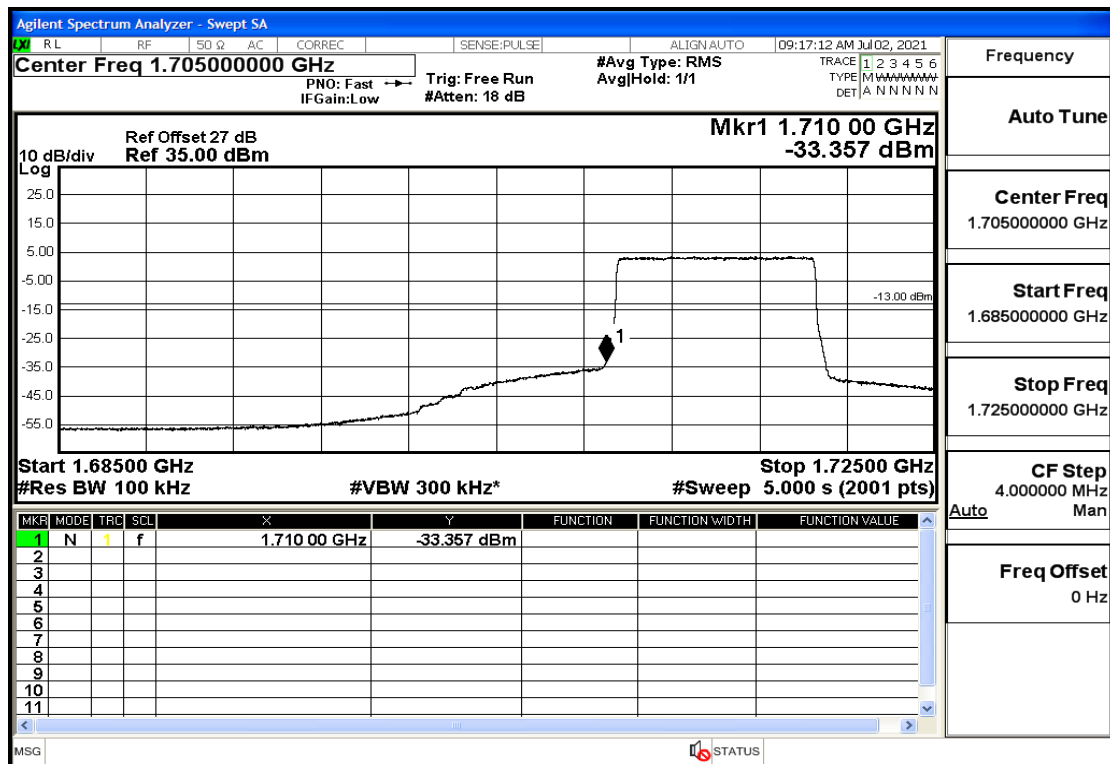
Band4-10-1715-QPSK-50#LOW@Pass



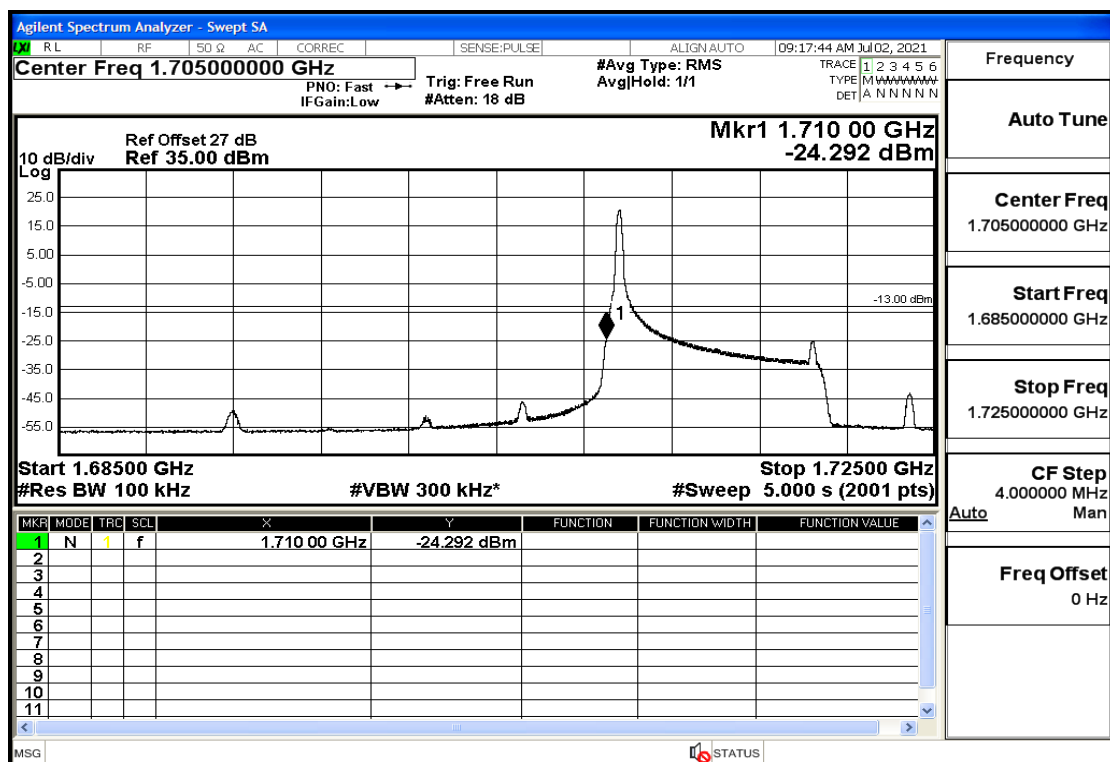
Band4-10-1715-QPSK-1#LOW@Pass



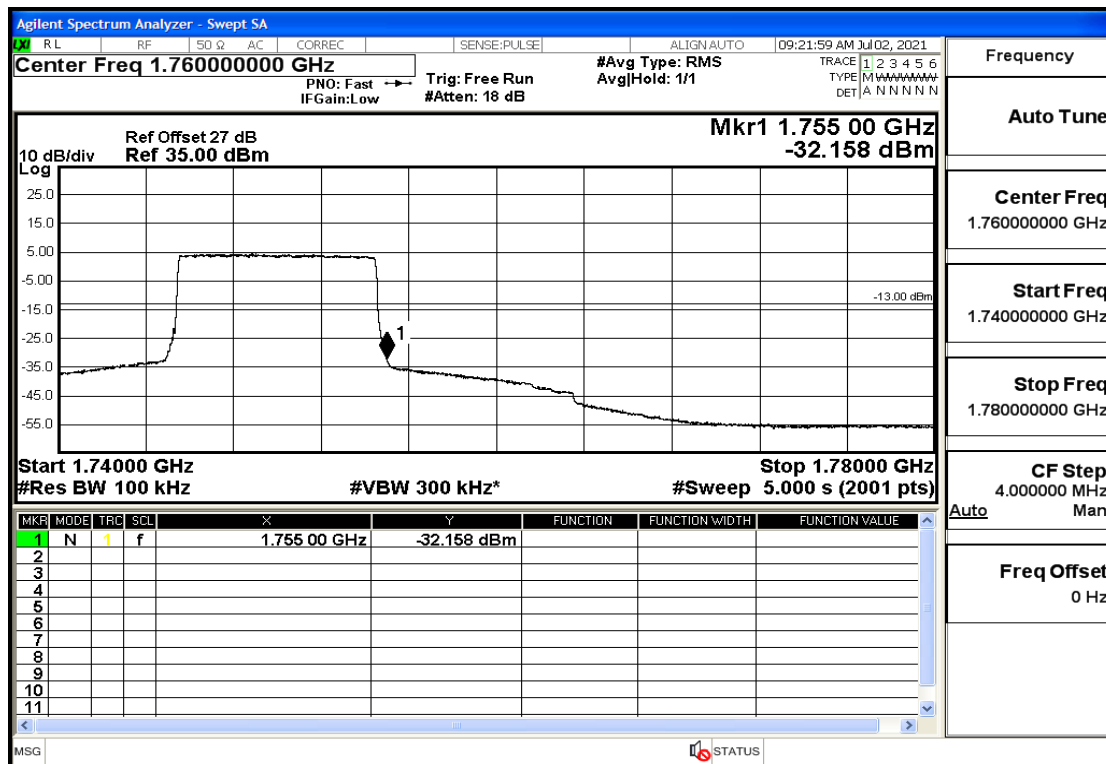
Band4-10-1715-16QAM-50#LOW@Pass



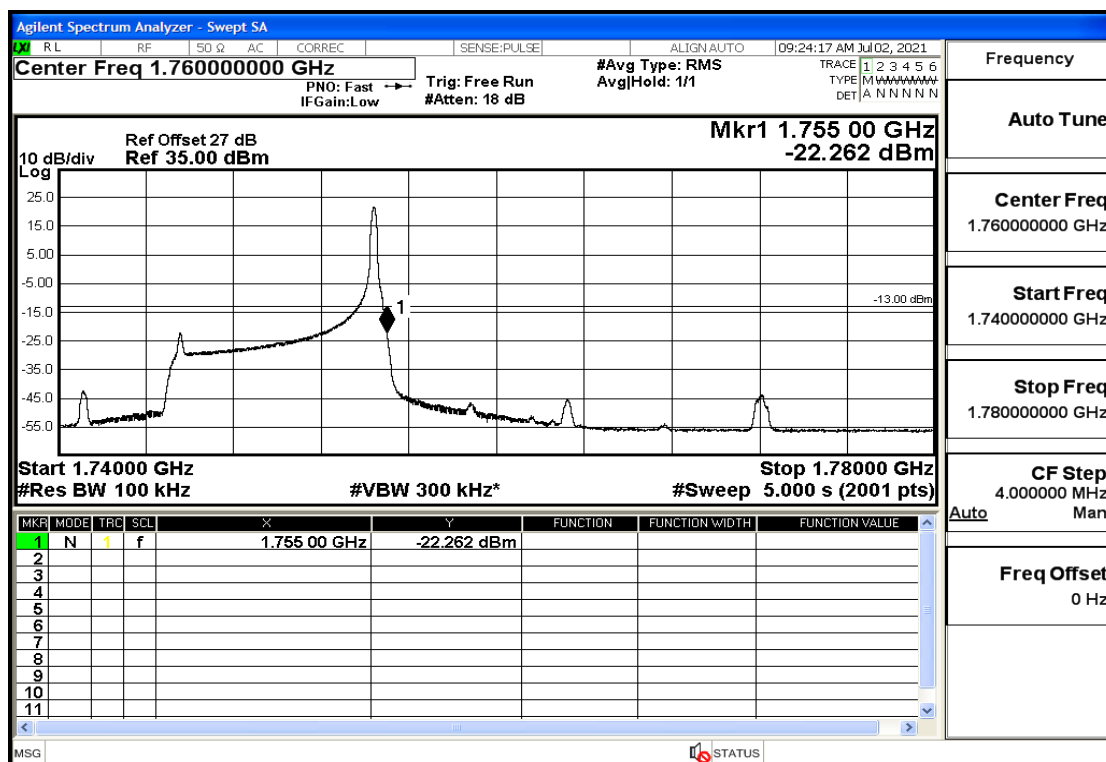
Band4-10-1715-16QAM-1#LOW@Pass



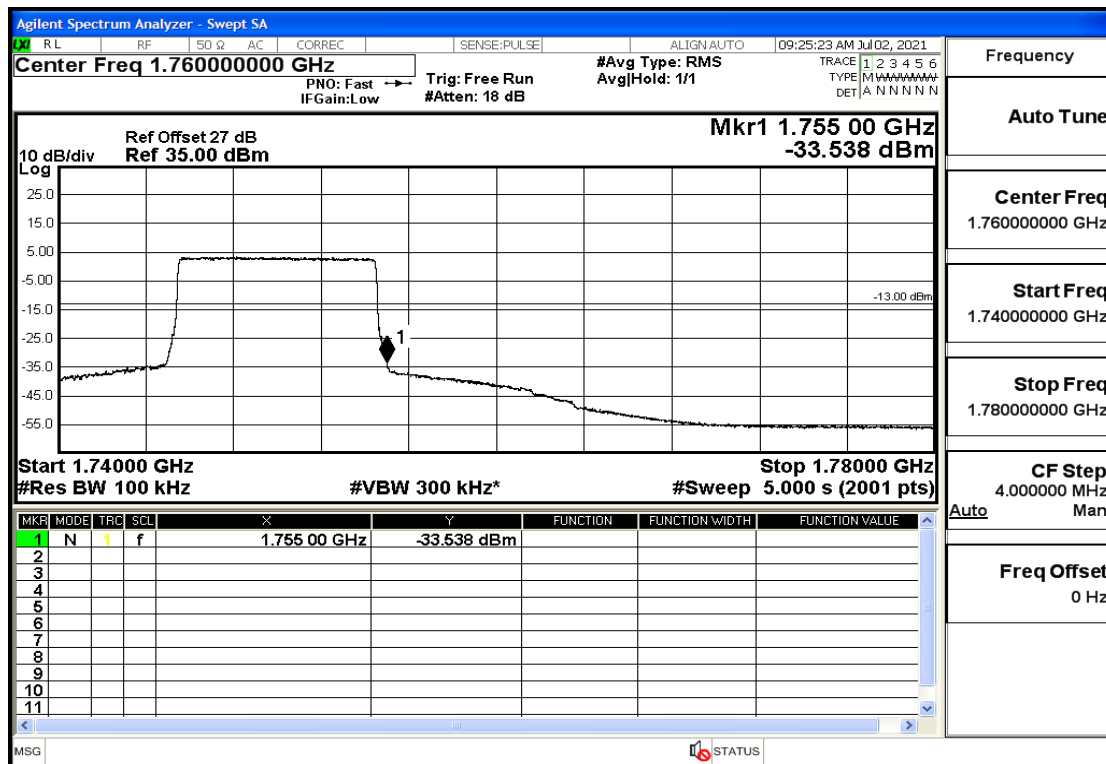
Band4-10-1750-QPSK-50#LOW@Pass



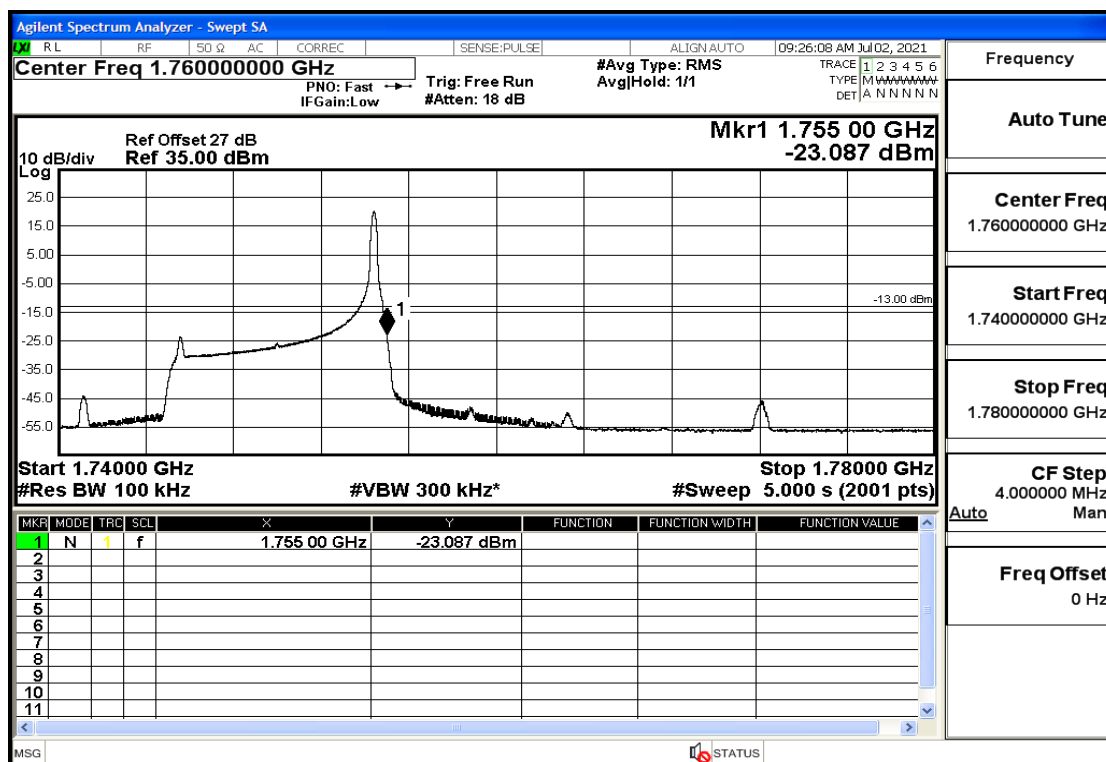
Band4-10-1750-QPSK-1#HIGH@Pass



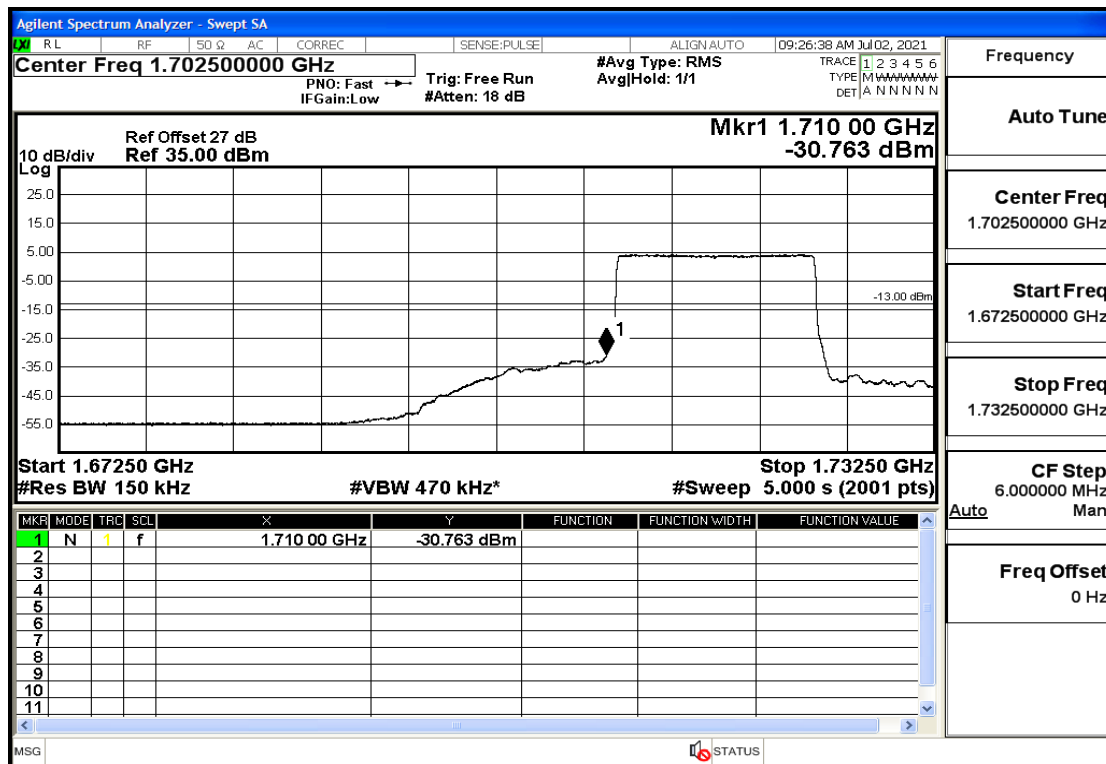
Band4-10-1750-16QAM-50#LOW@Pass



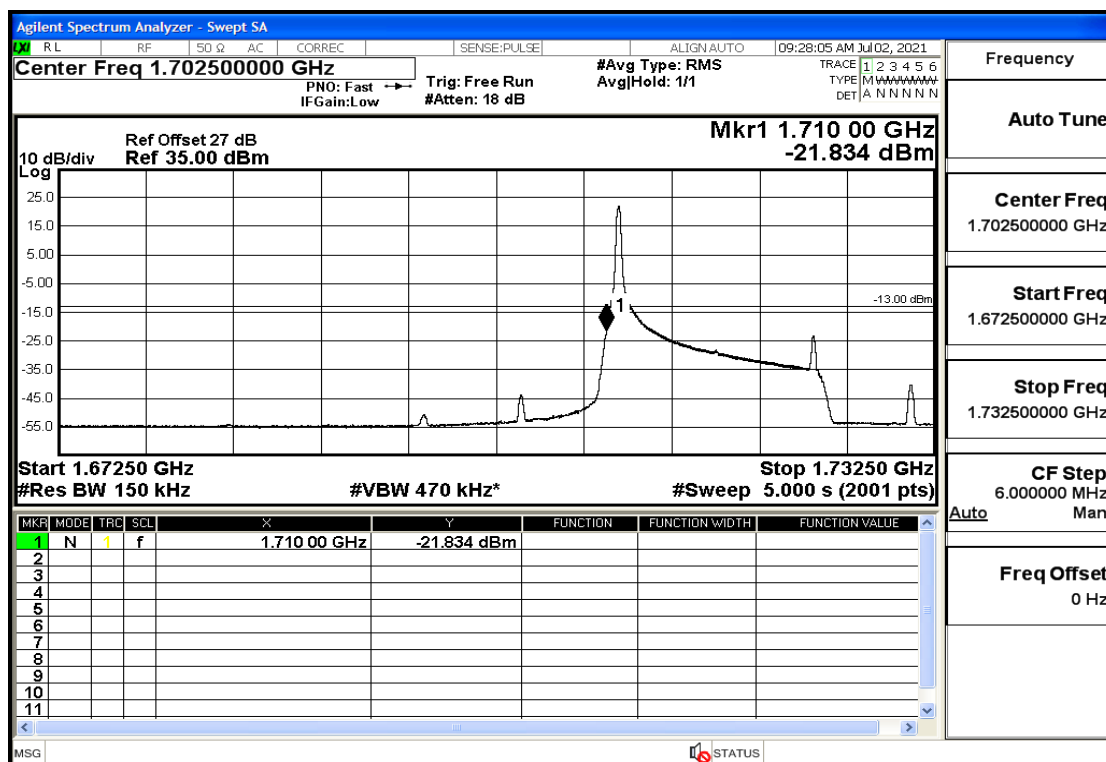
Band4-10-1750-16QAM-1#HIGH@Pass



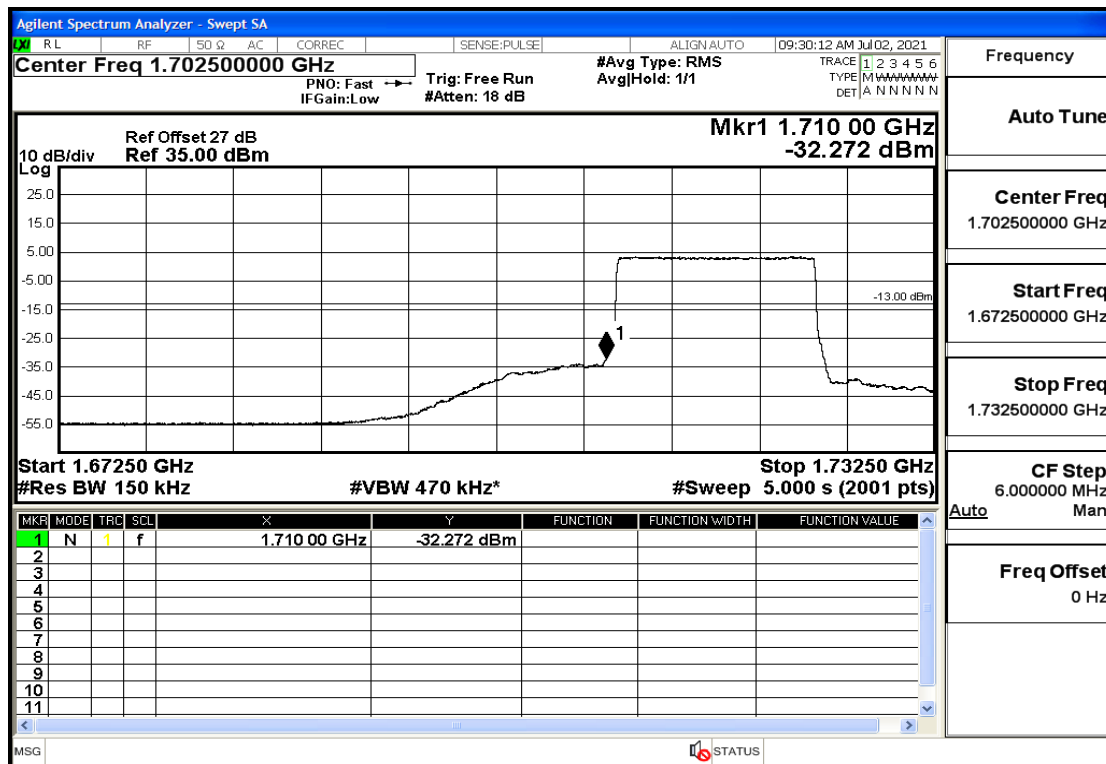
Band4-15-1717.5-QPSK-75#LOW@Pass



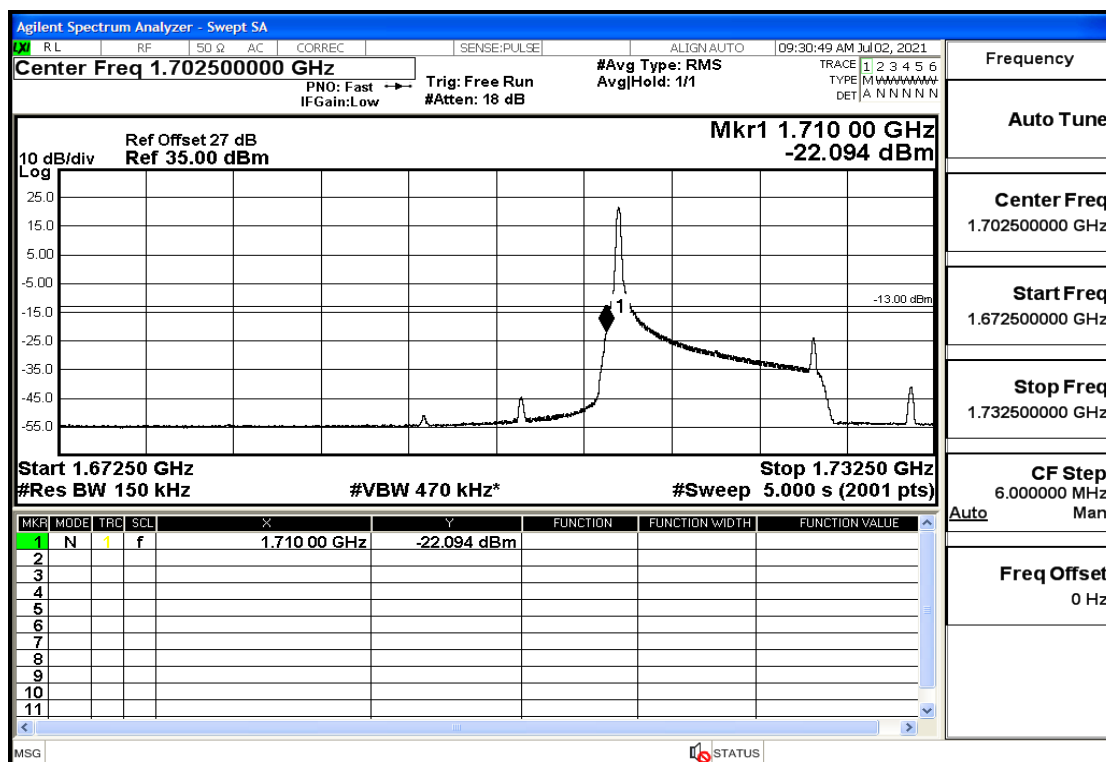
Band4-15-1717.5-QPSK-1#LOW@Pass



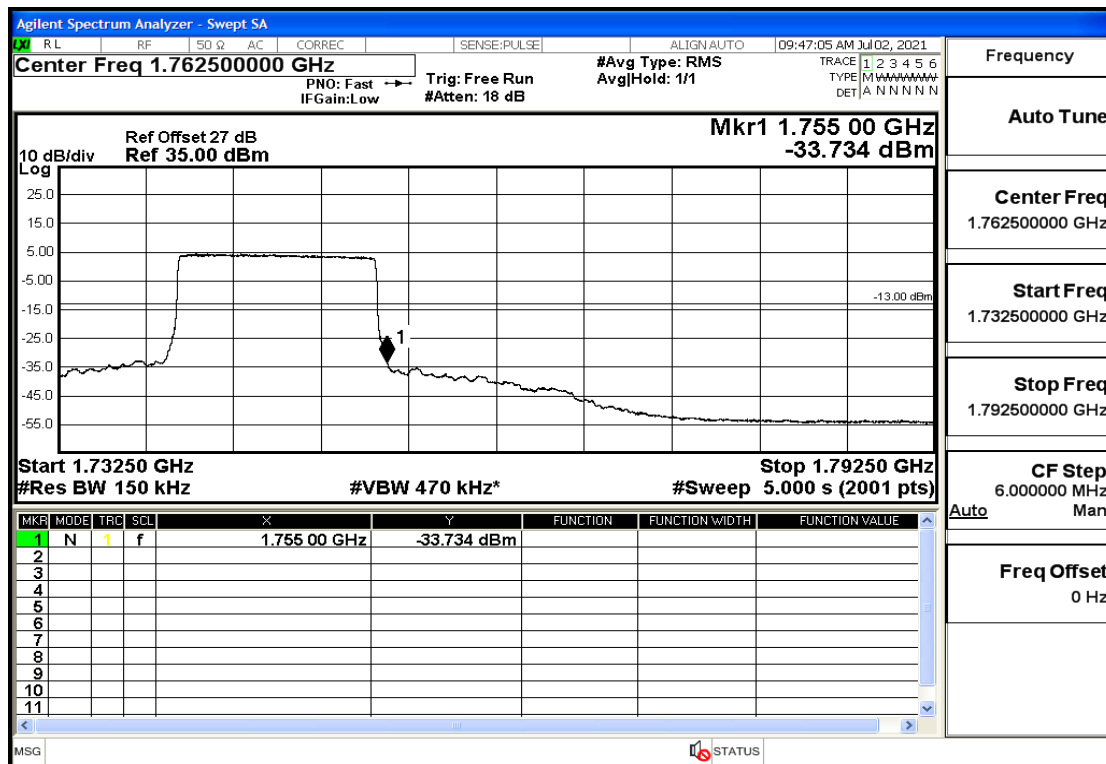
Band4-15-1717.5-16QAM-75#LOW@Pass



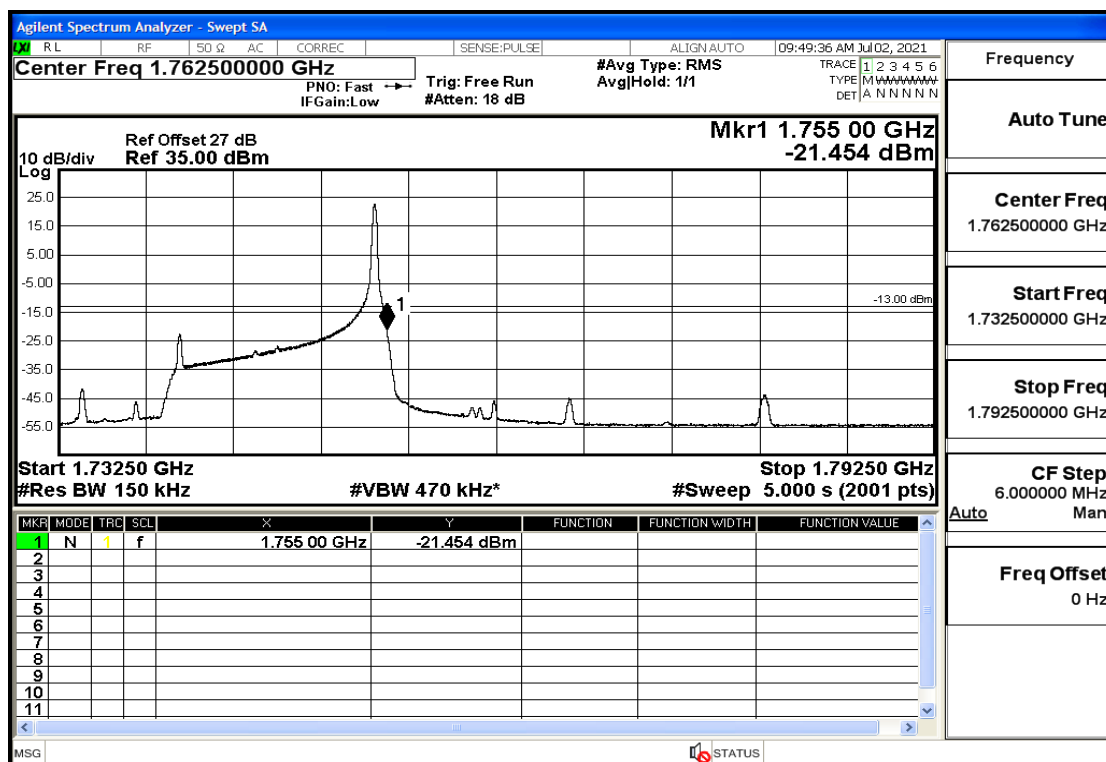
Band4-15-1717.5-16QAM-1#LOW@Pass



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



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



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN:AUTO 09:50:47 AM Jul 02, 2021

Center Freq 1.762500000 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 MAAAAA DET A N N N N N

10 dB/div Ref Offset 27 dB Mkr1 1.755 00 GHz
Log Ref 35.00 dBm -34.410 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	1	f	1.755 00 GHz	-34.410 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:PULSE ALIGN:AUTO 09:51:45 AM Jul 02, 2021

Center Freq 1.762500000 GHz PNO: Fast IFGain:Low Trig: Free Run #Atten: 18 dB #Avg Type: RMS Avg/Hold: 1/1

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

Ref Offset 27 dB
Ref 35.00 dBm

Mkr1 1.755 00 GHz
-21.579 dBm

10 dB/div
Log

Start 1.73250 GHz
#Res BW 150 kHz

Stop 1.79250 GHz
#Sweep 5.000 s (2001 pts)

#BW 470 kHz*

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.755 00 GHz	-21.579 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

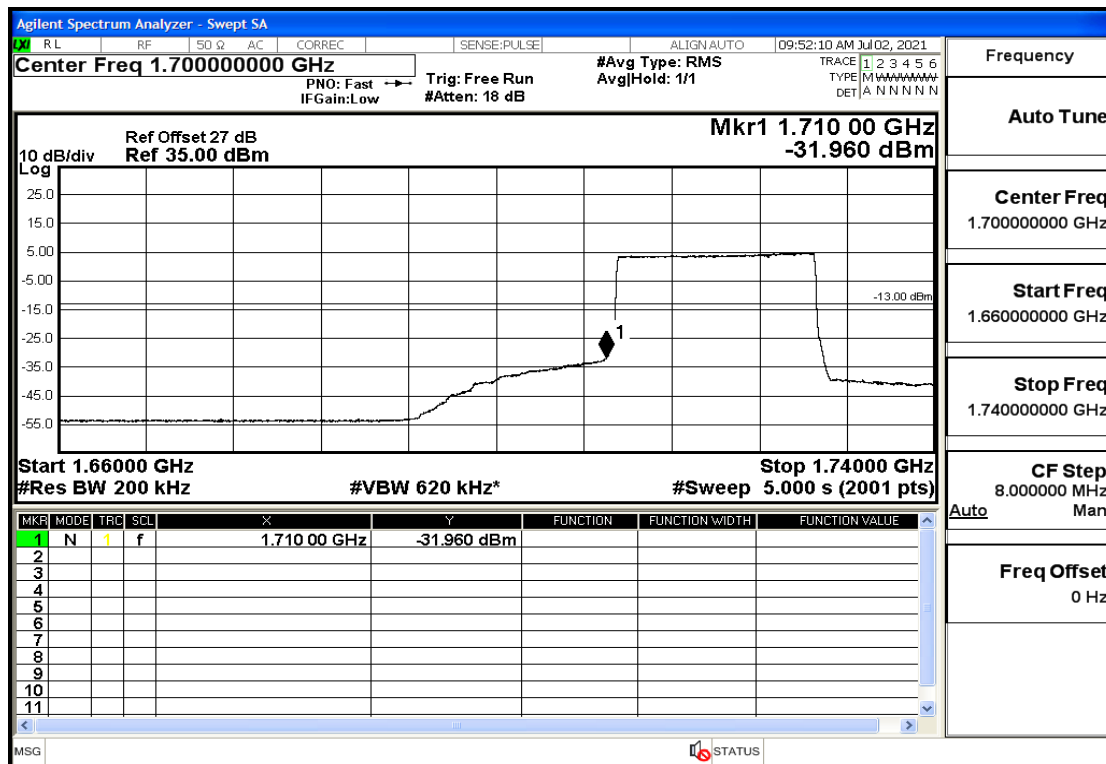
Man

Auto

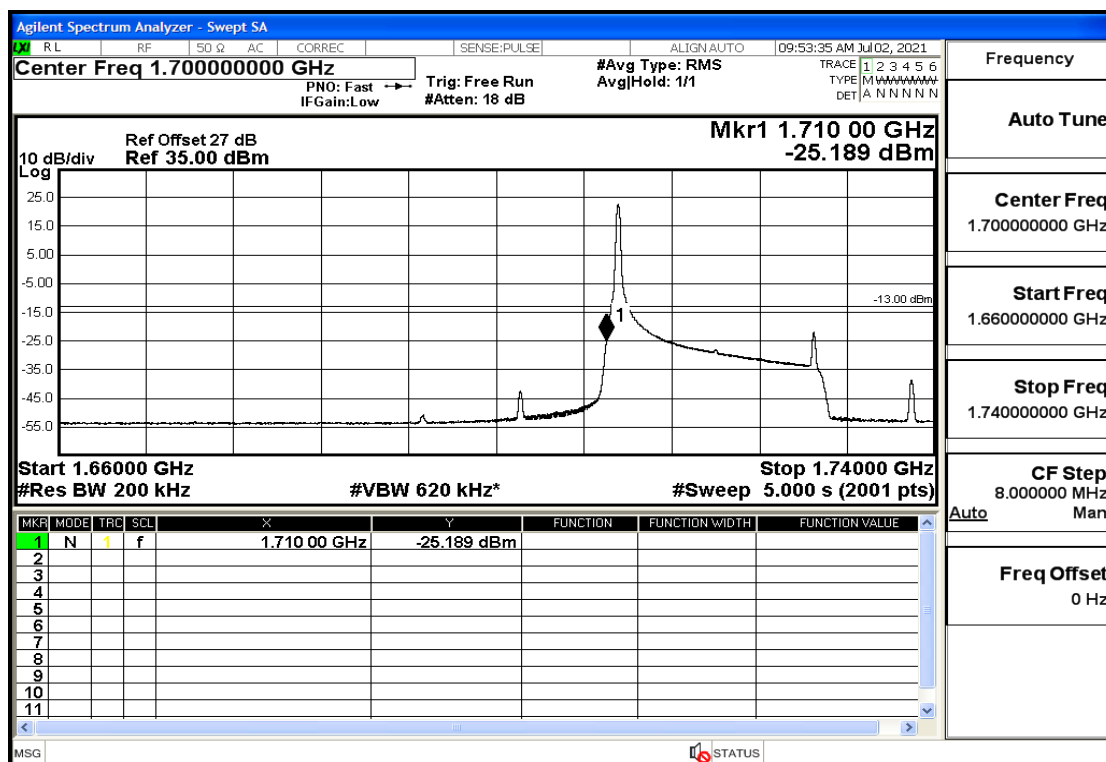
Freq Offset
0 Hz

MSG STATUS

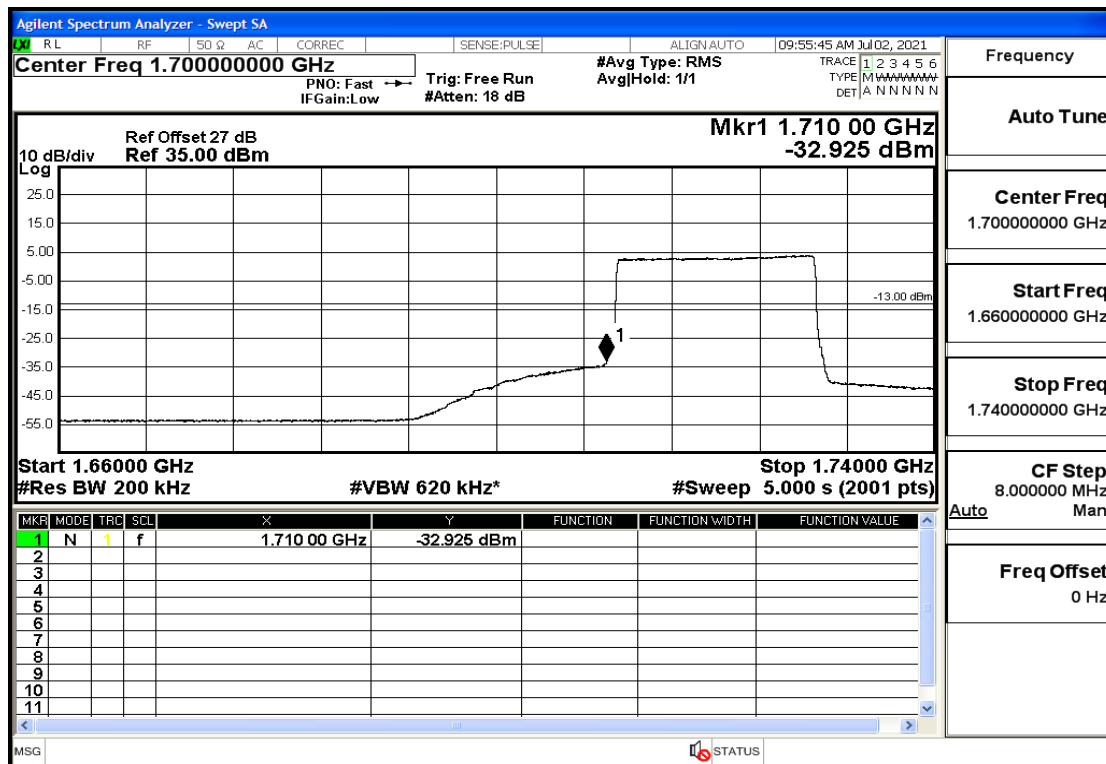
Band4-20-1720-QPSK-100#LOW@Pass



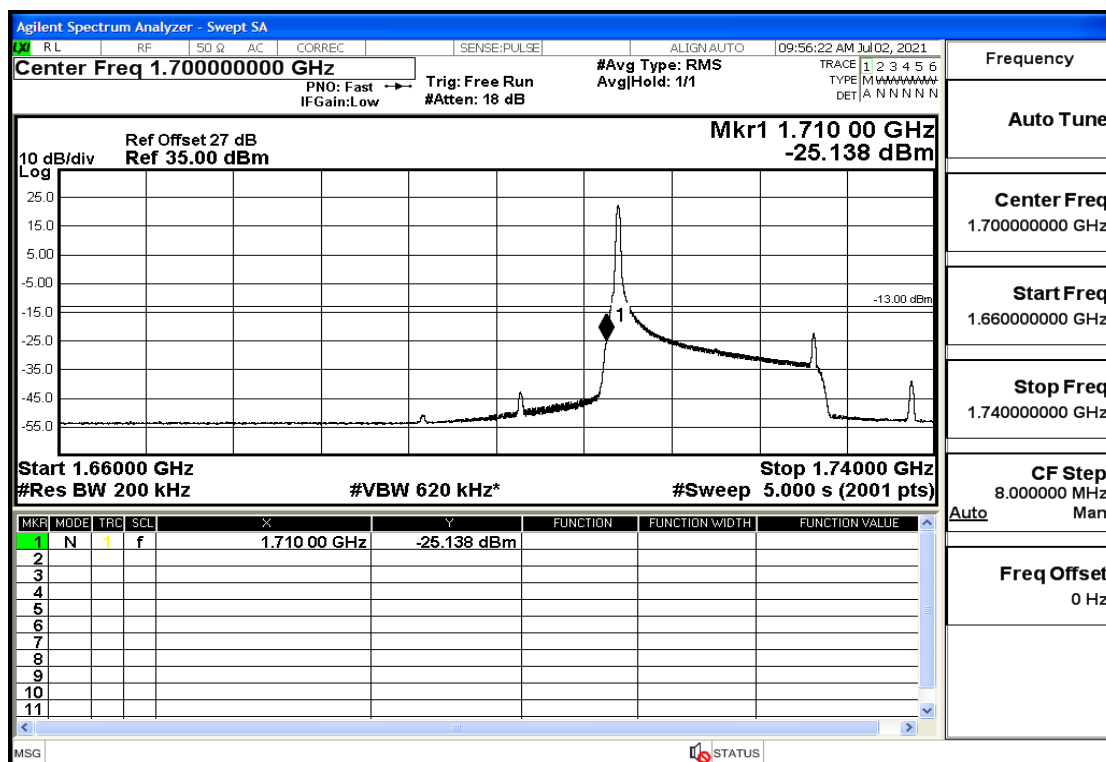
Band4-20-1720-QPSK-1#LOW@Pass



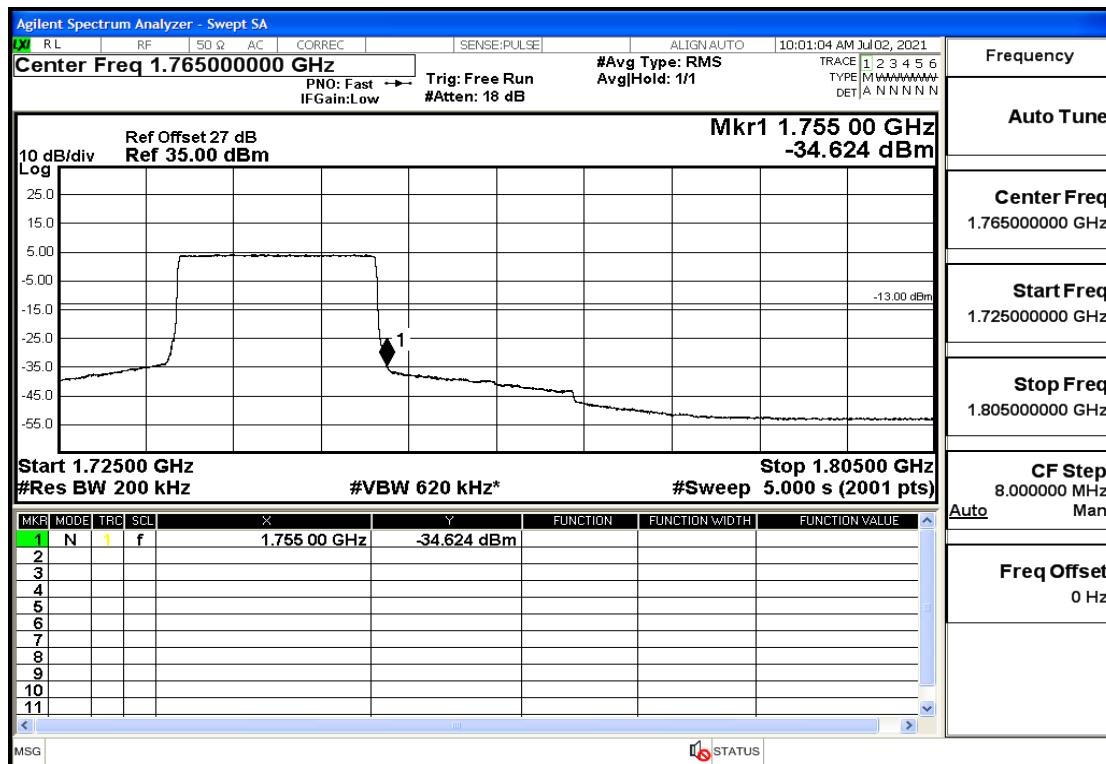
Band4-20-1720-16QAM-100#LOW@Pass



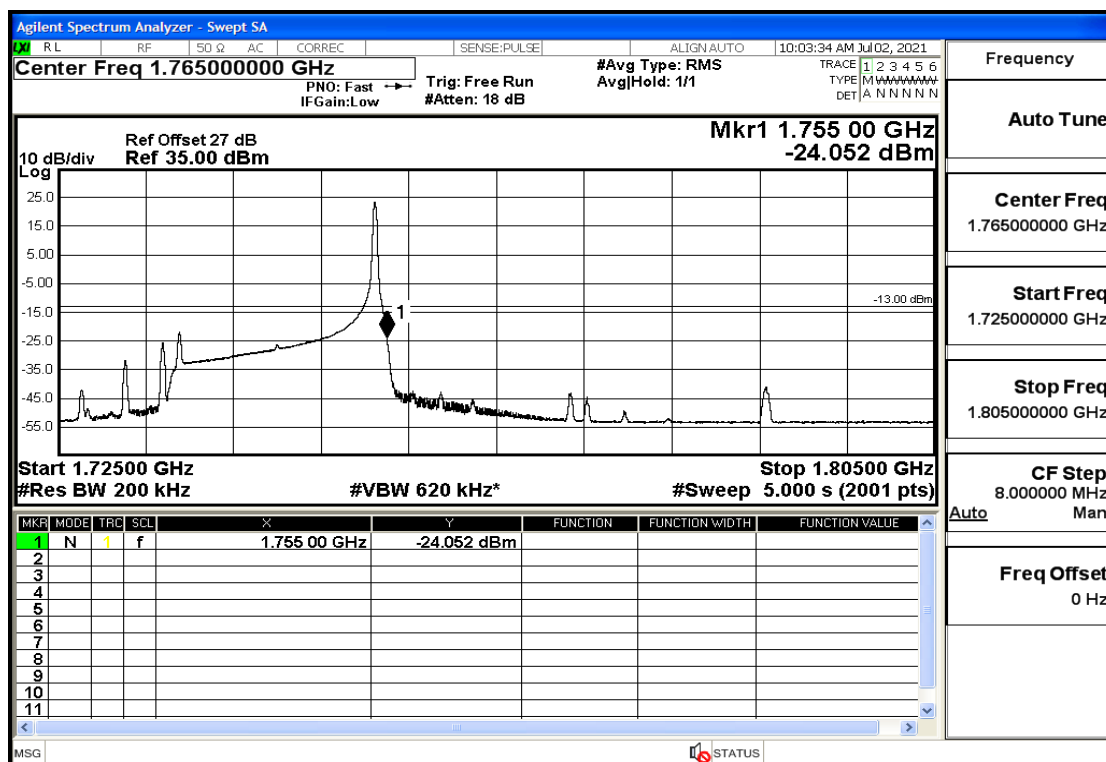
Band4-20-1720-16QAM-1#LOW@Pass



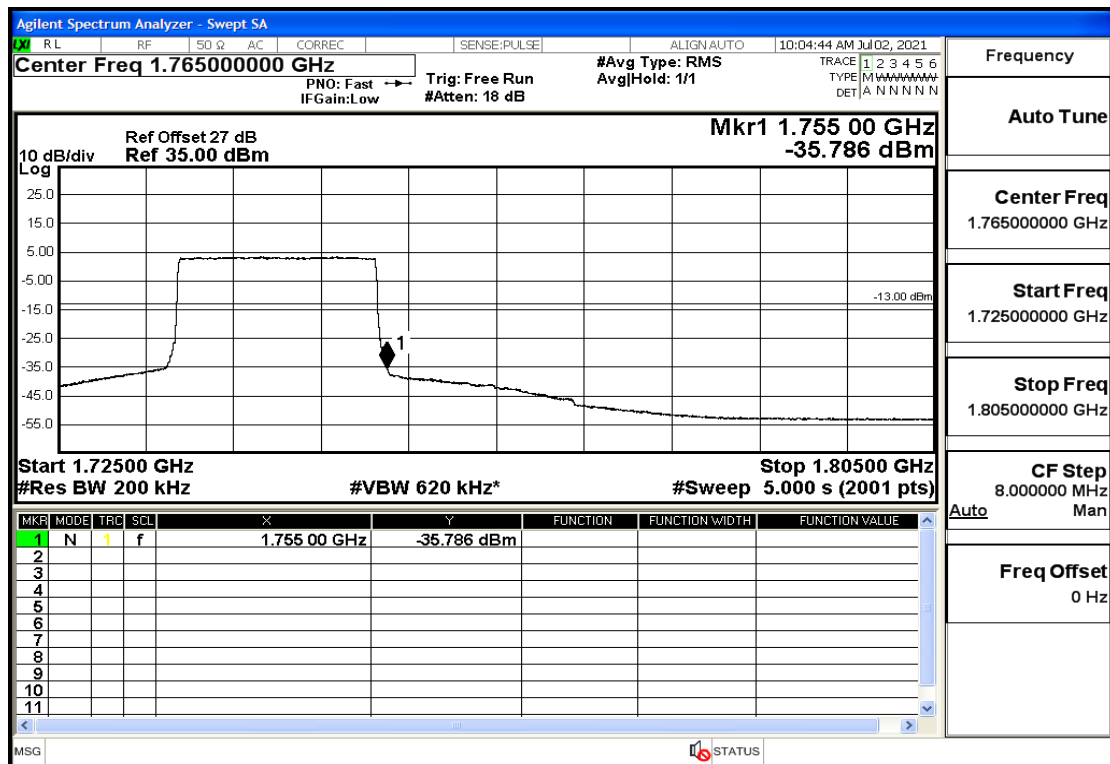
Band4-20-1745-QPSK-100#LOW@Pass



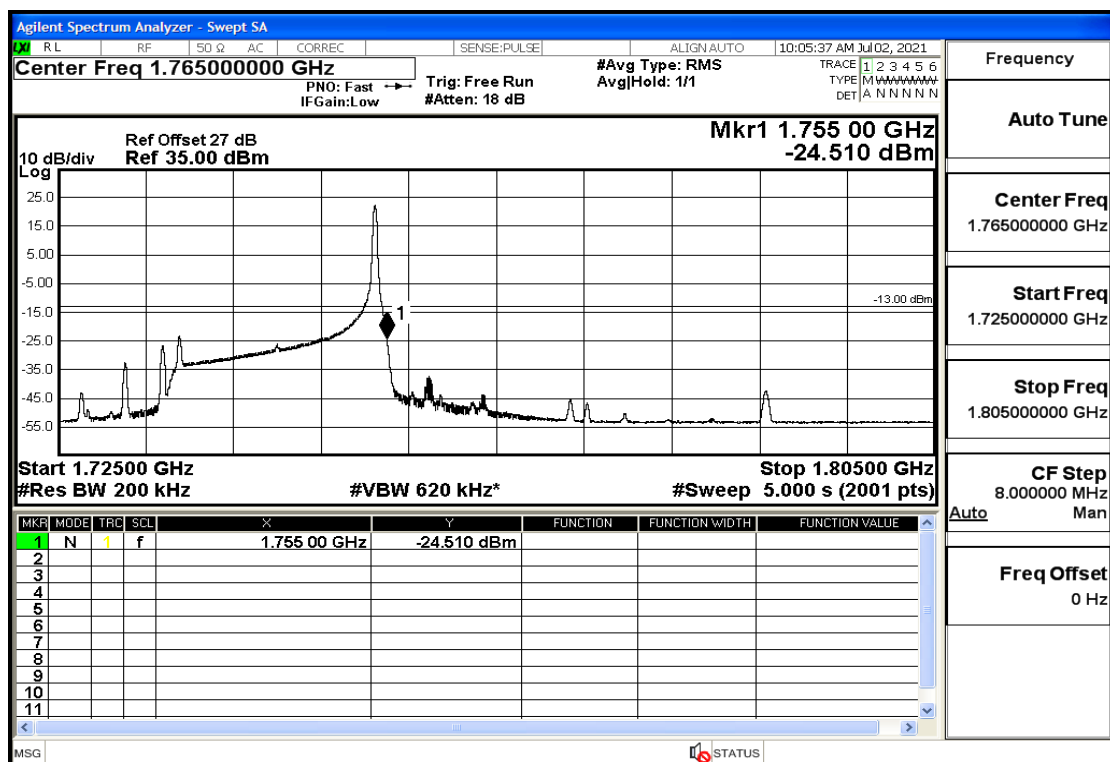
Band4-20-1745-QPSK-1#HIGH@Pass



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	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

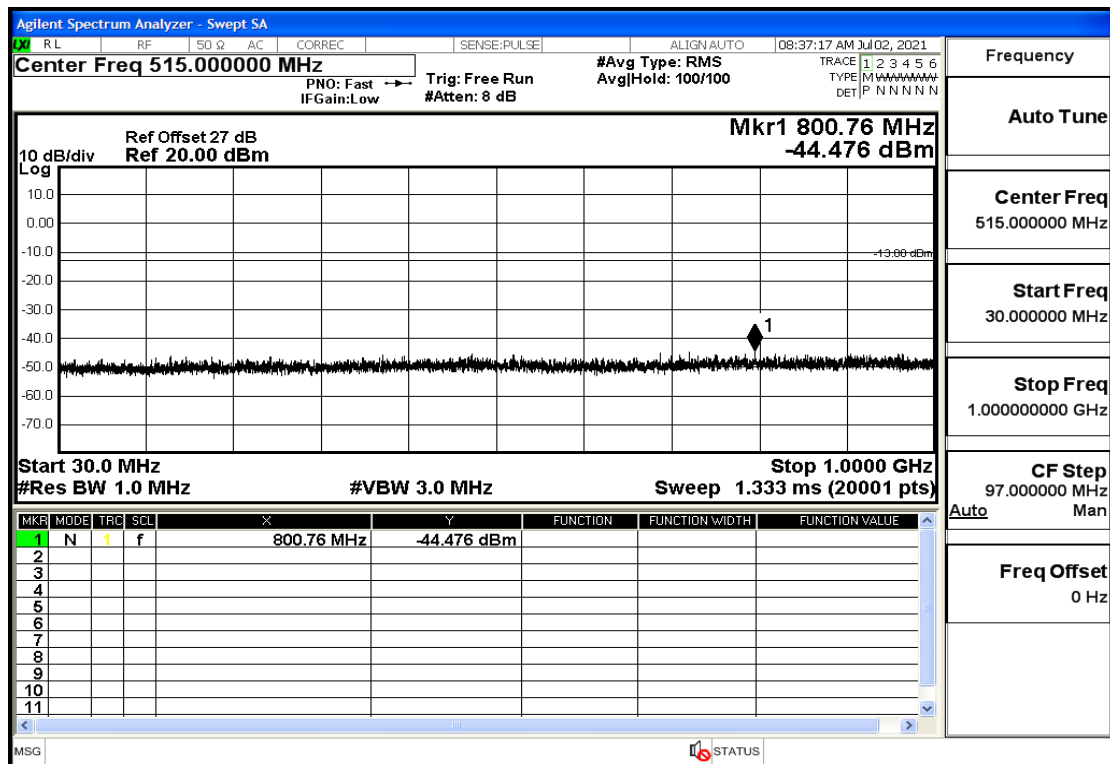
OB4	3	1711.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB4	3	1711.5	QPSK	1	LOW	1GHz-7GHz	Pass
OB4	3	1711.5	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB4	3	1711.5	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB4	3	1711.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB4	3	1711.5	QPSK	1	HIGH	1GHz-7GHz	Pass
OB4	3	1711.5	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB4	3	1711.5	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
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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

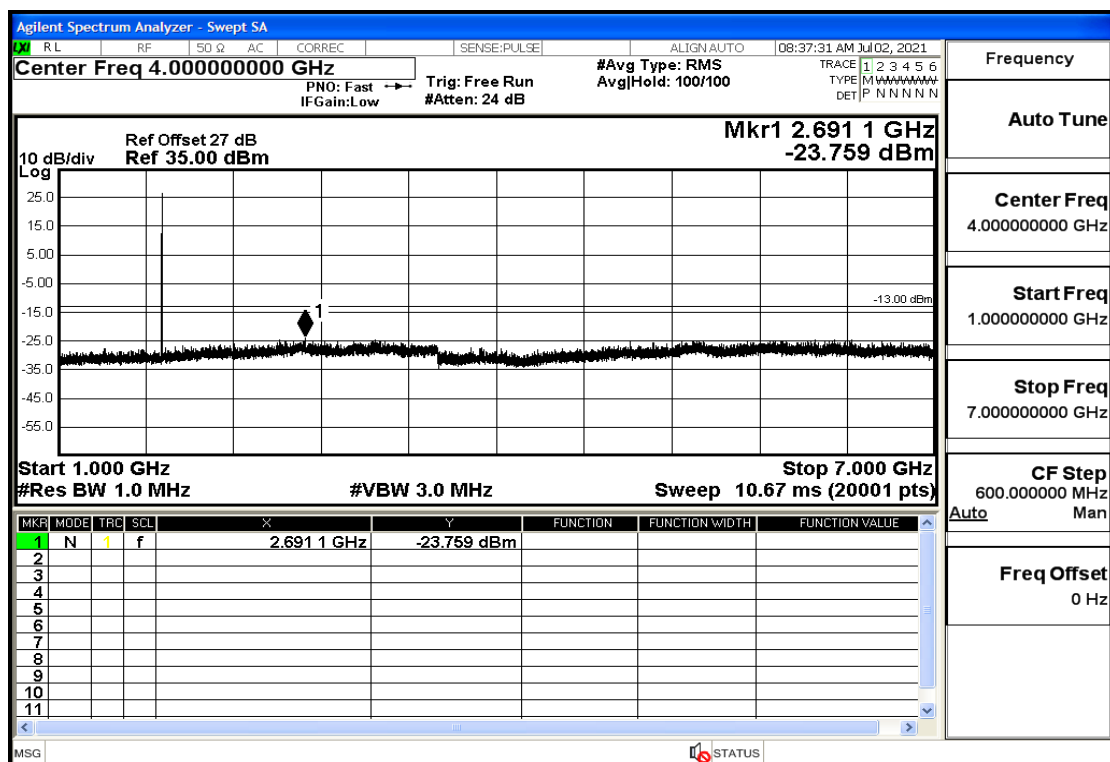
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OB4	10	1750	QPSK	50	LOW	7GHz-13.6GHz	Pass
OB4	10	1750	QPSK	50	LOW	13.6GHz-20GHz	Pass
OB4	10	1750	QPSK	1	LOW	30mHz-1GHz	Pass
OB4	10	1750	QPSK	1	LOW	1GHz-7GHz	Pass
OB4	10	1750	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB4	10	1750	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB4	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

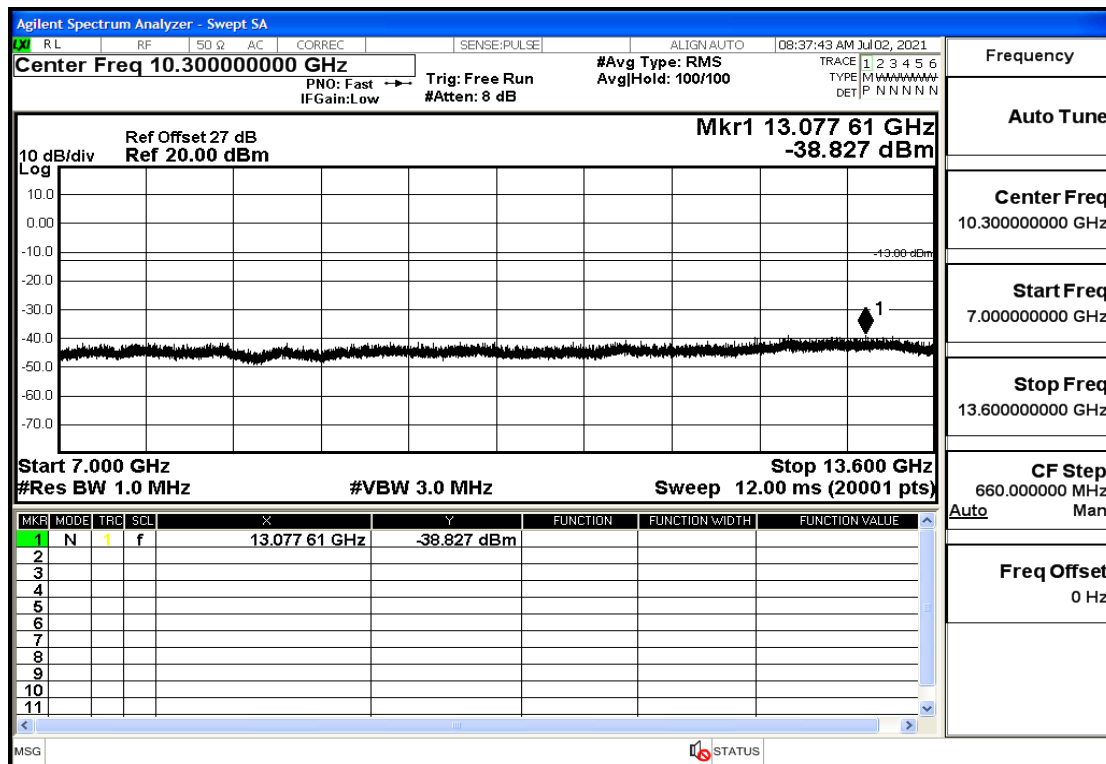
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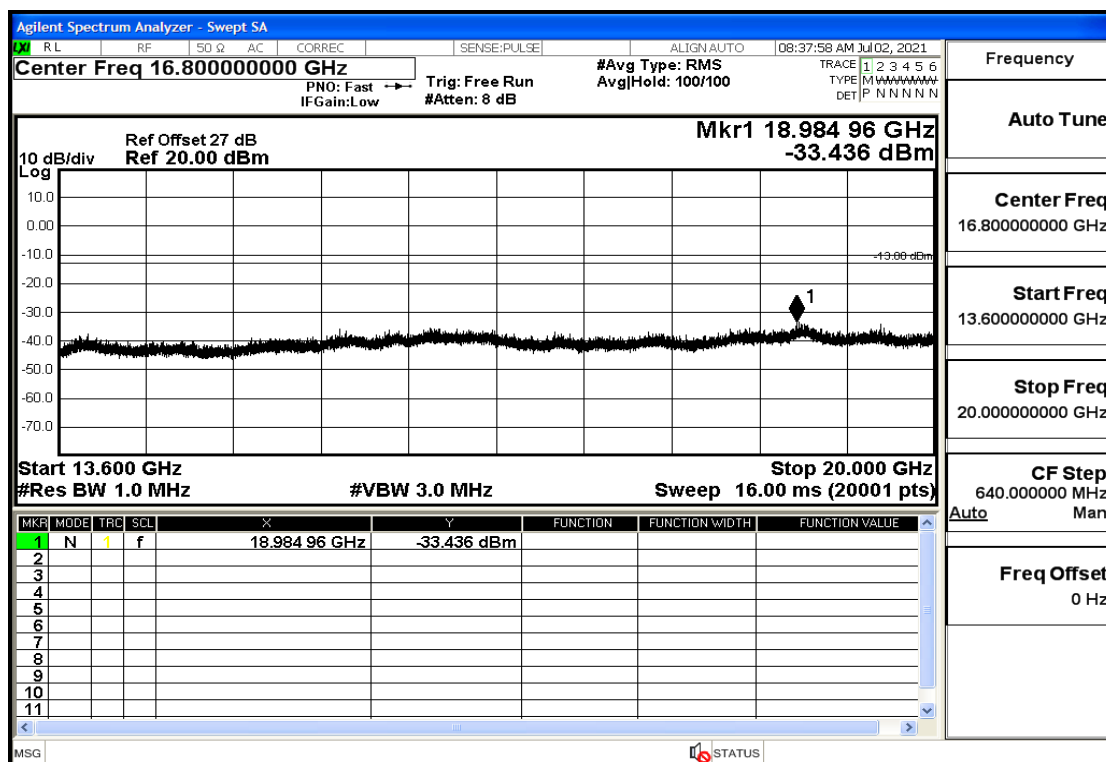
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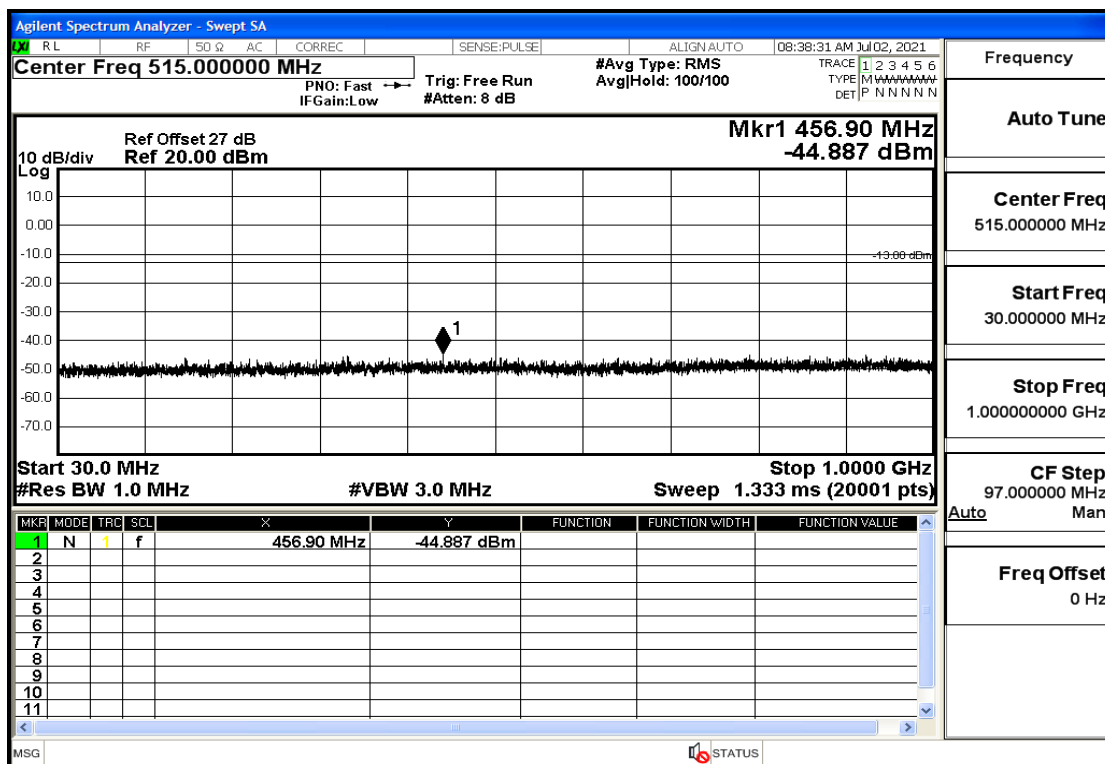
OB4-1.4-1710.7-QPSK-6#LOW@7GHz-13.6GHz@Pass



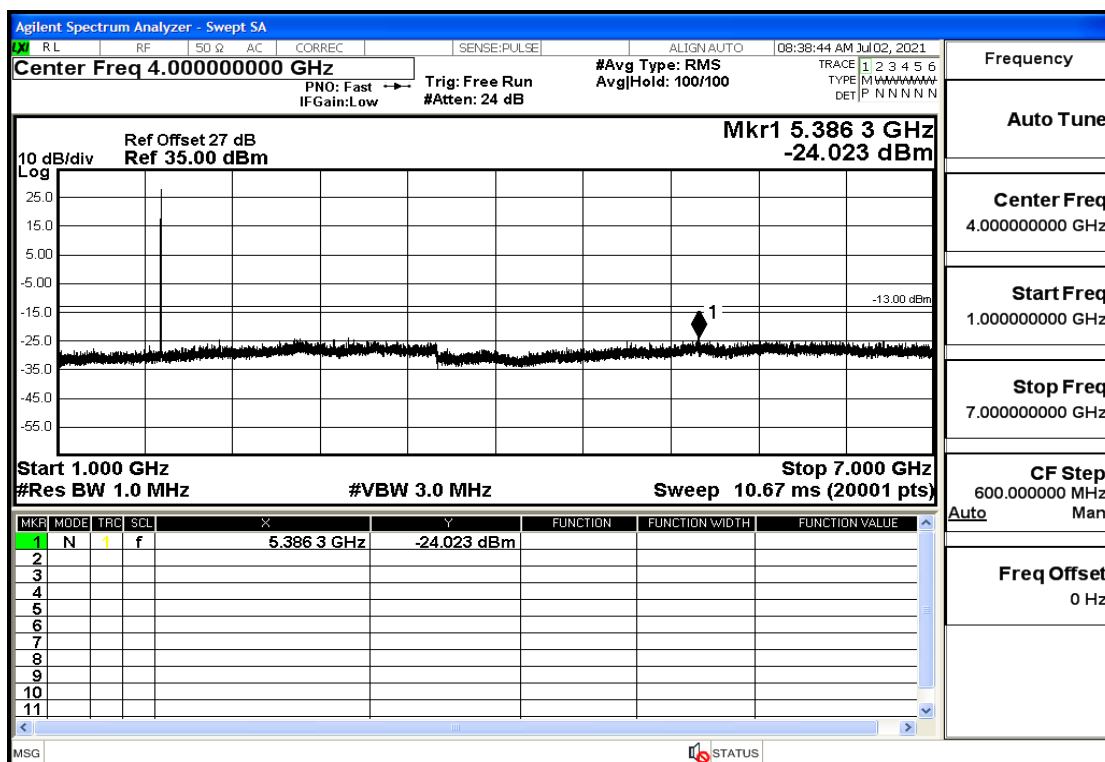
OB4-1.4-1710.7-QPSK-6#LOW@13.6GHz-20GHz@Pass



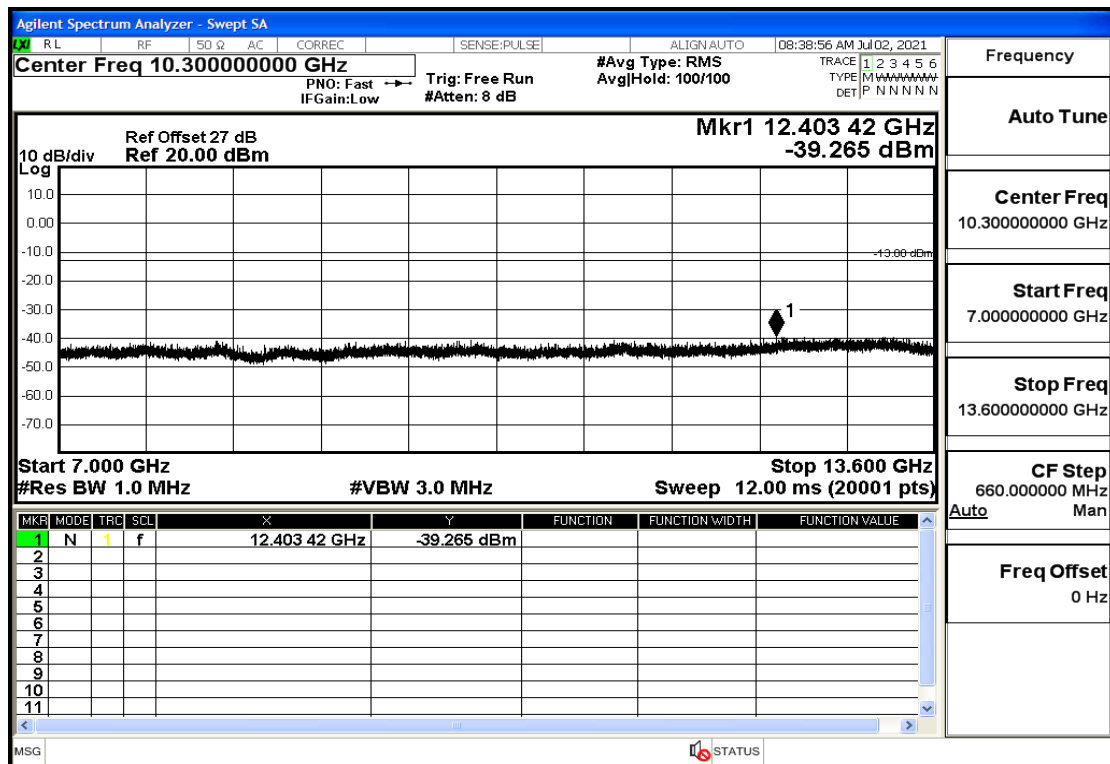
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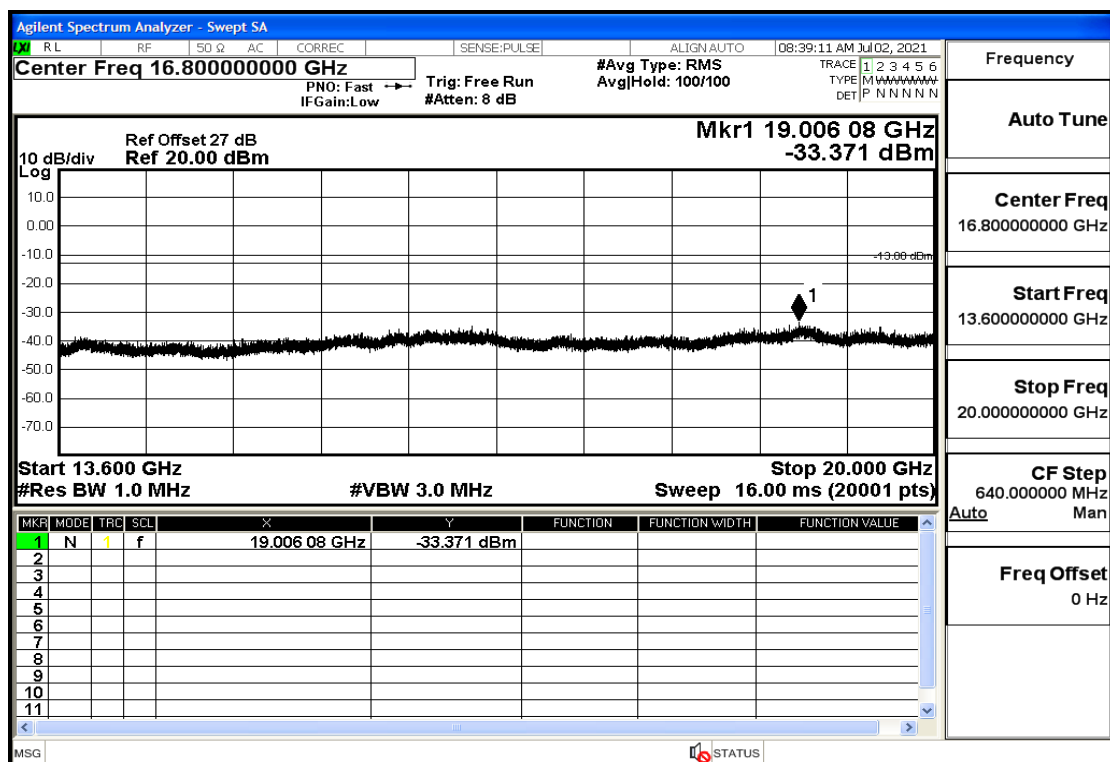
OB4-1.4-1710.7-QPSK-1#LOW@1GHz-7GHz@Pass



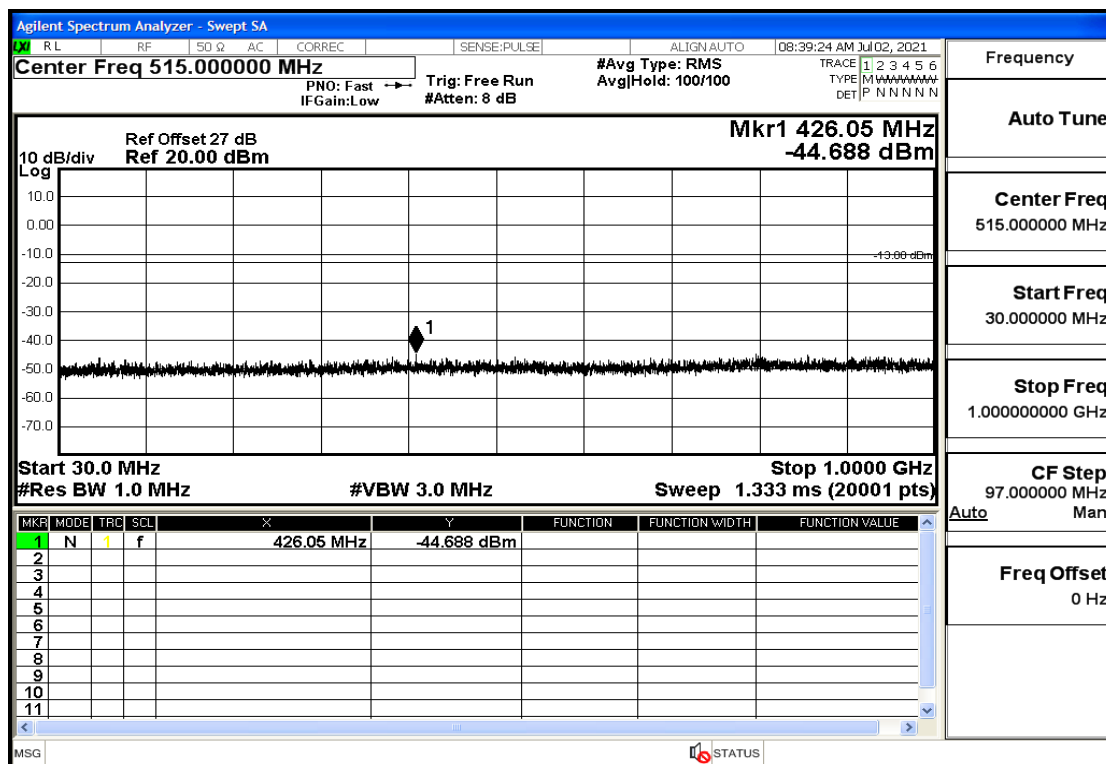
OB4-1.4-1710.7-QPSK-1#LOW@7GHz-13.6GHz@Pass



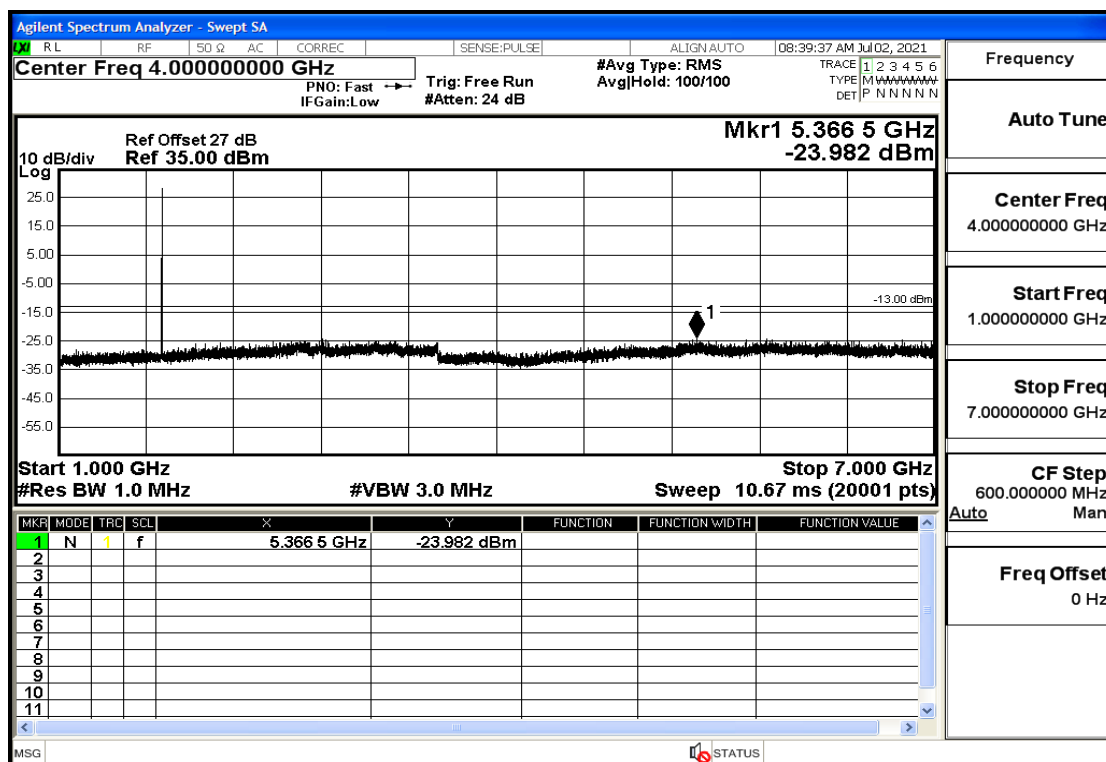
OB4-1.4-1710.7-QPSK-1#LOW@13.6GHz-20GHz@Pass



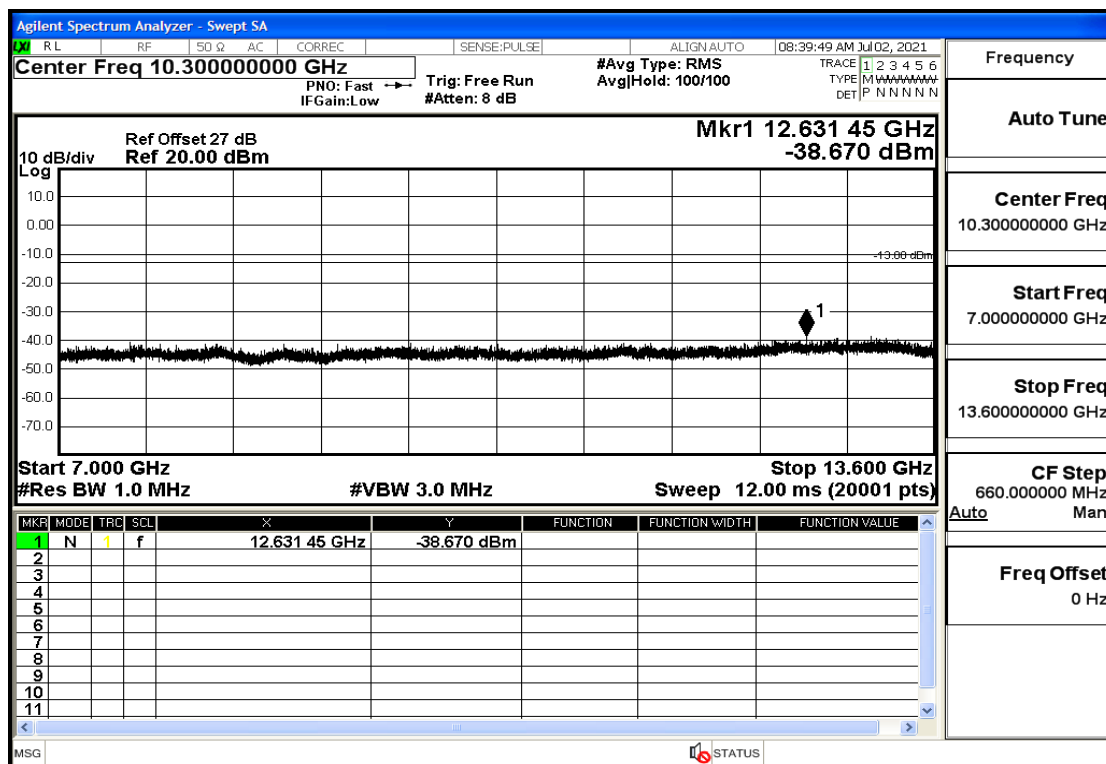
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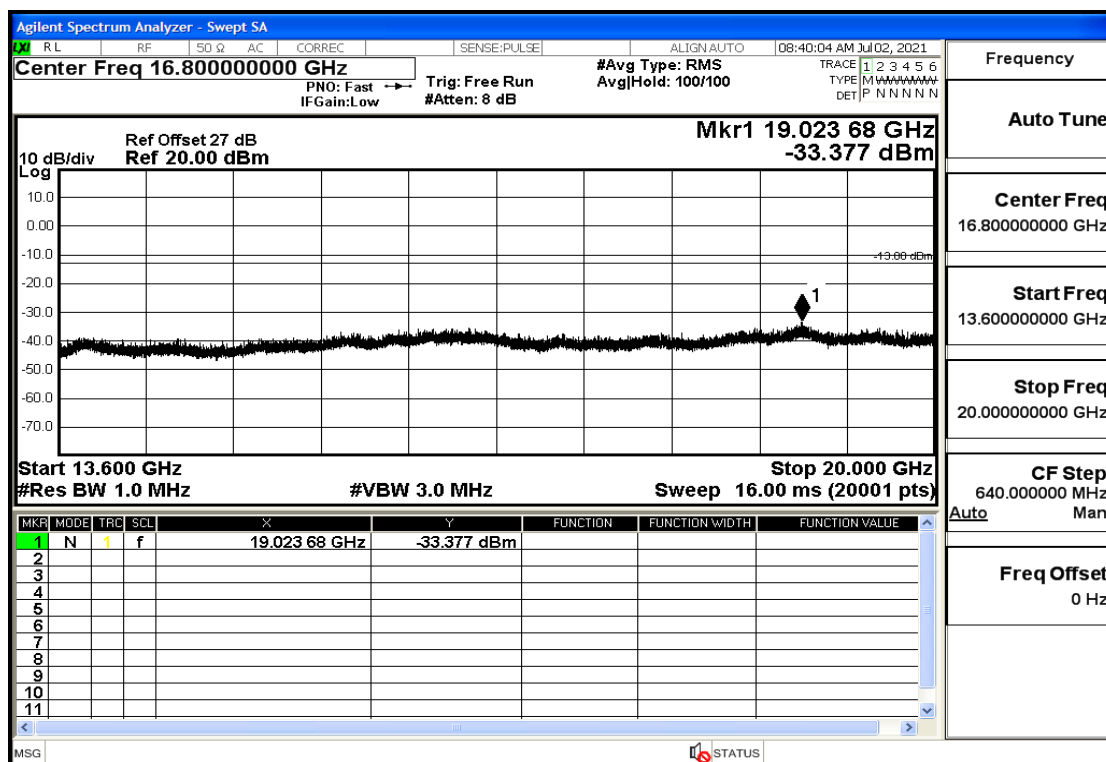
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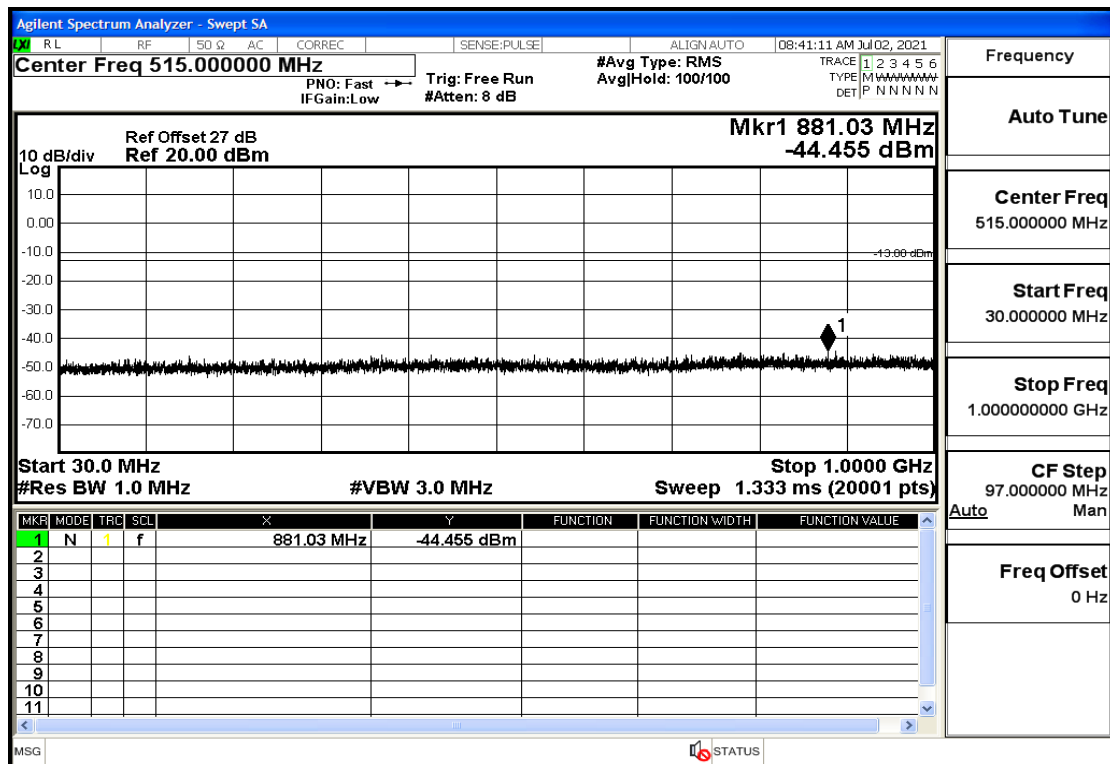
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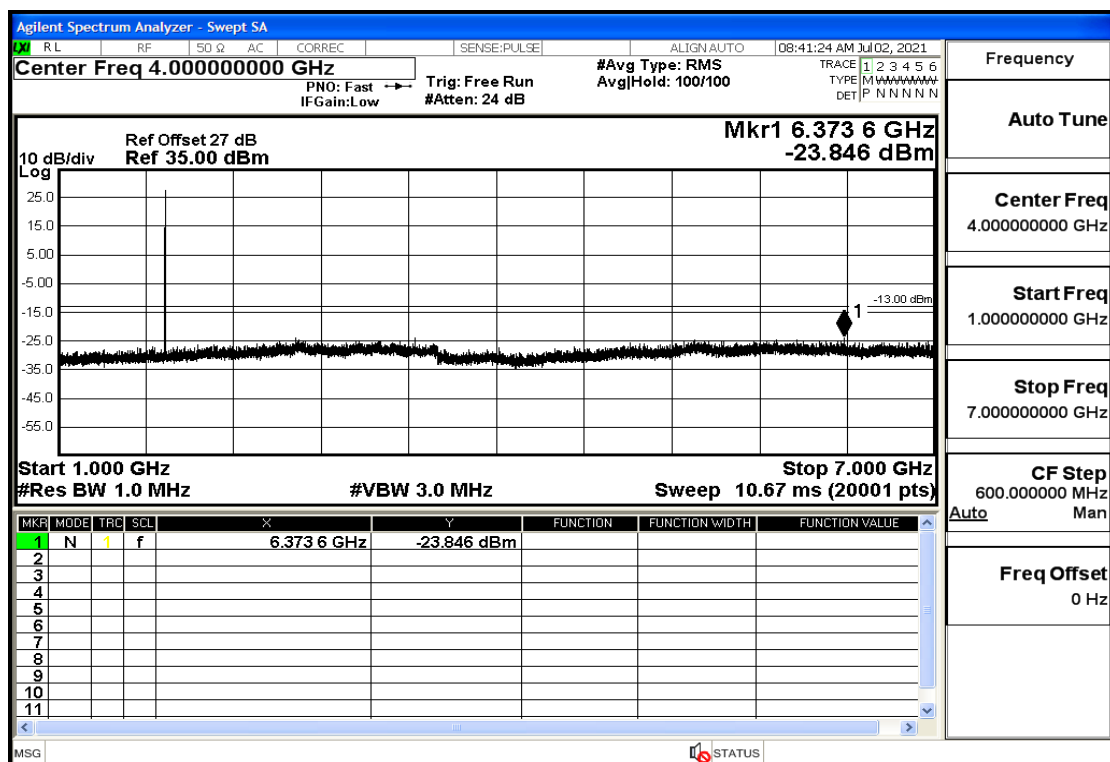
OB4-1.4-1710.7-QPSK-1#HIGH@13.6GHz-20GHz@Pass



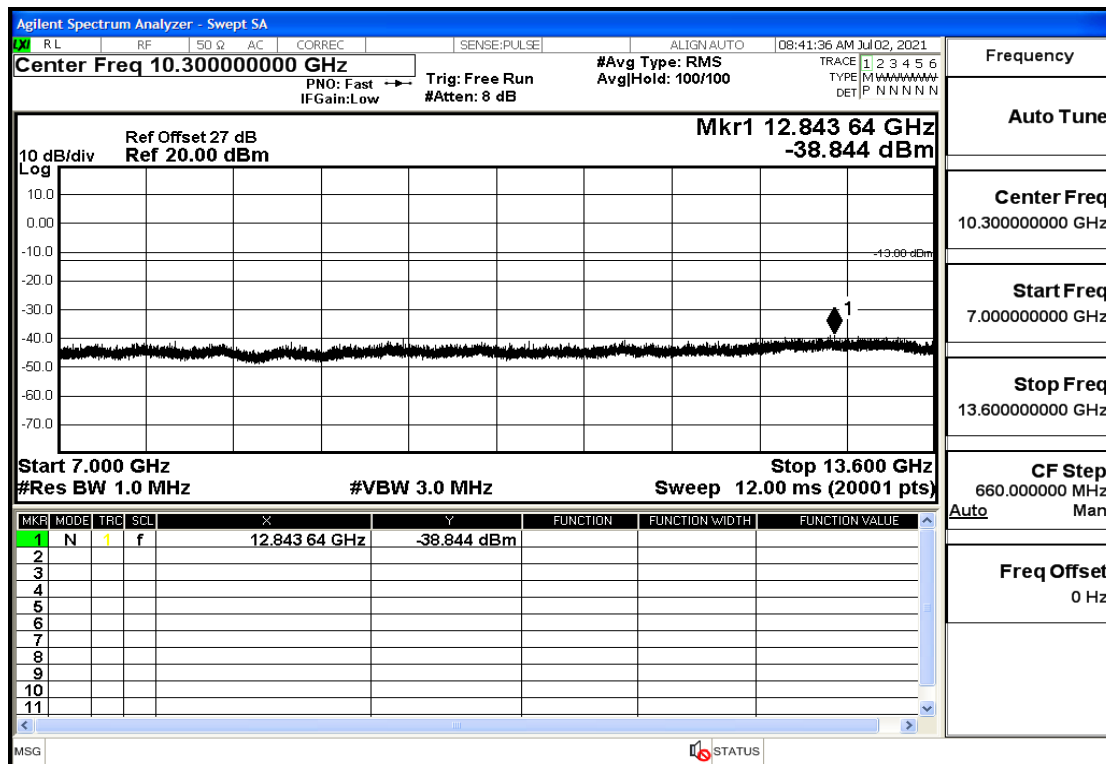
OB4-1.4-1732.5-QPSK-6#LOW@30mHz-1GHz@Pass



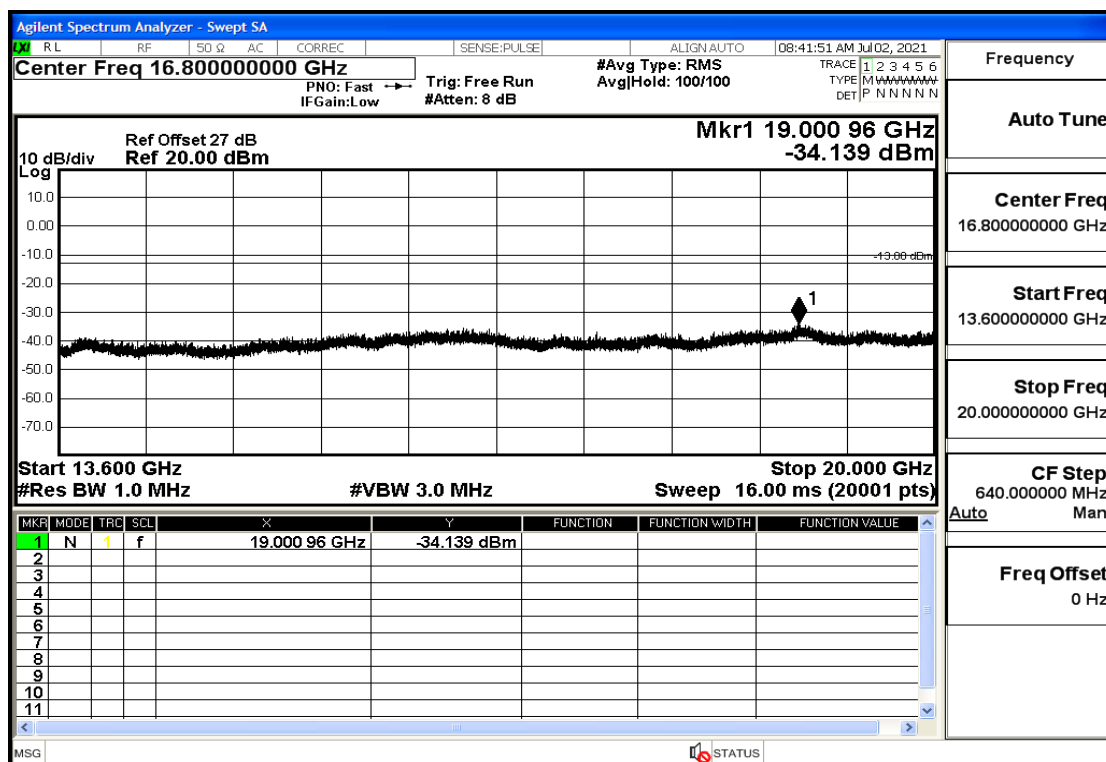
OB4-1.4-1732.5-QPSK-6#LOW@1GHz-7GHz@Pass



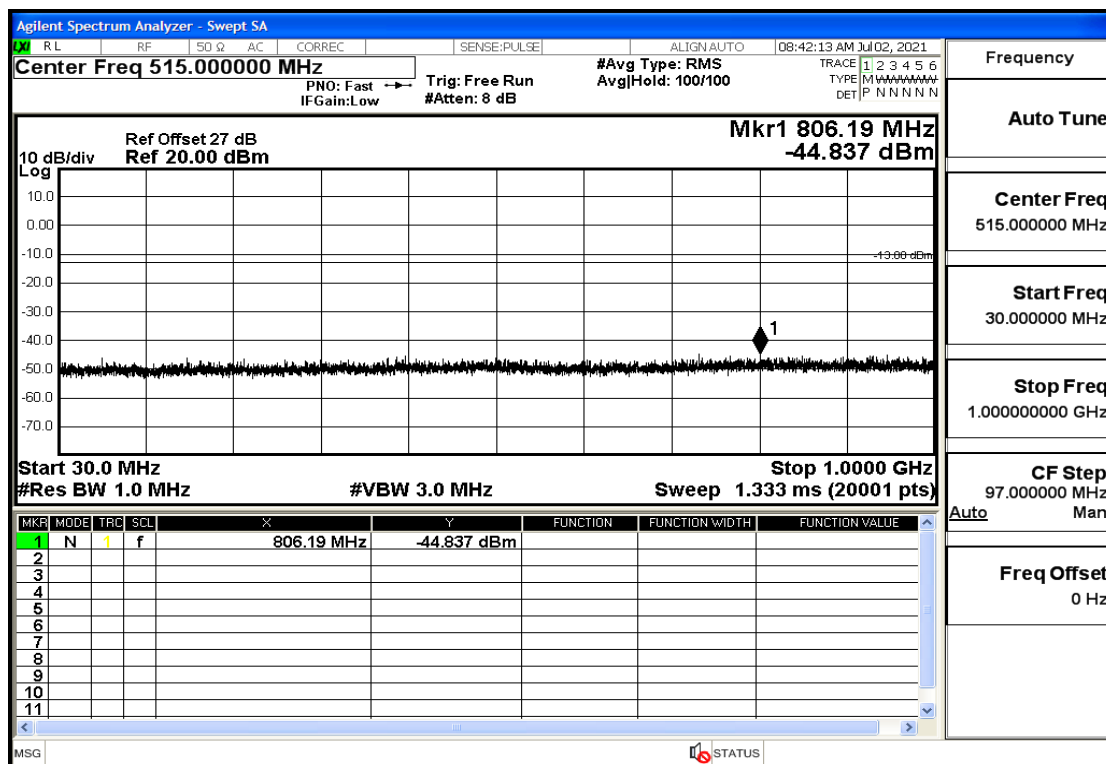
OB4-1.4-1732.5-QPSK-6#LOW@7GHz-13.6GHz@Pass



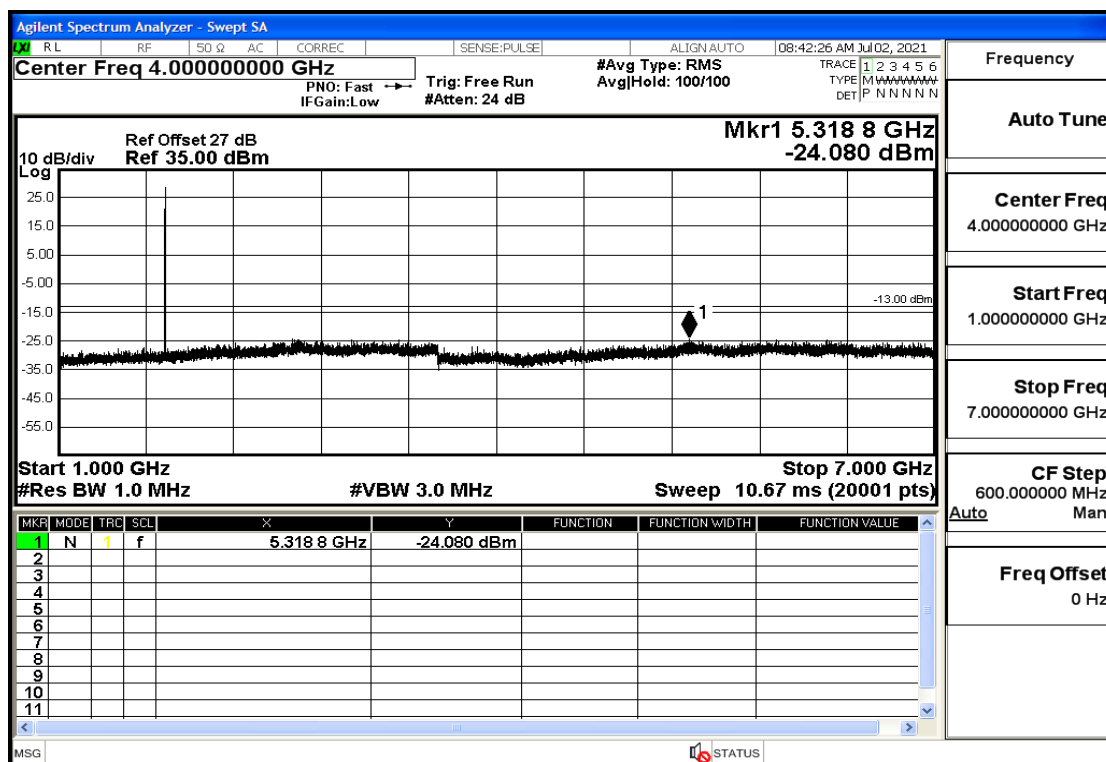
OB4-1.4-1732.5-QPSK-6#LOW@13.6GHz-20GHz@Pass



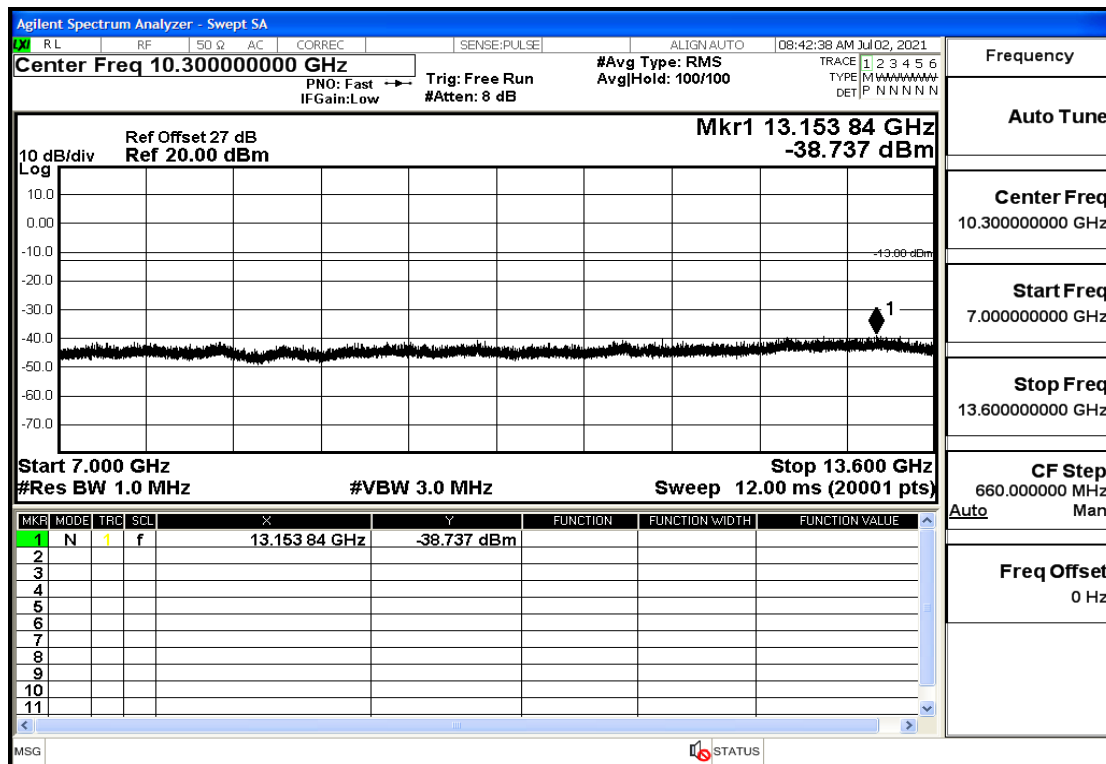
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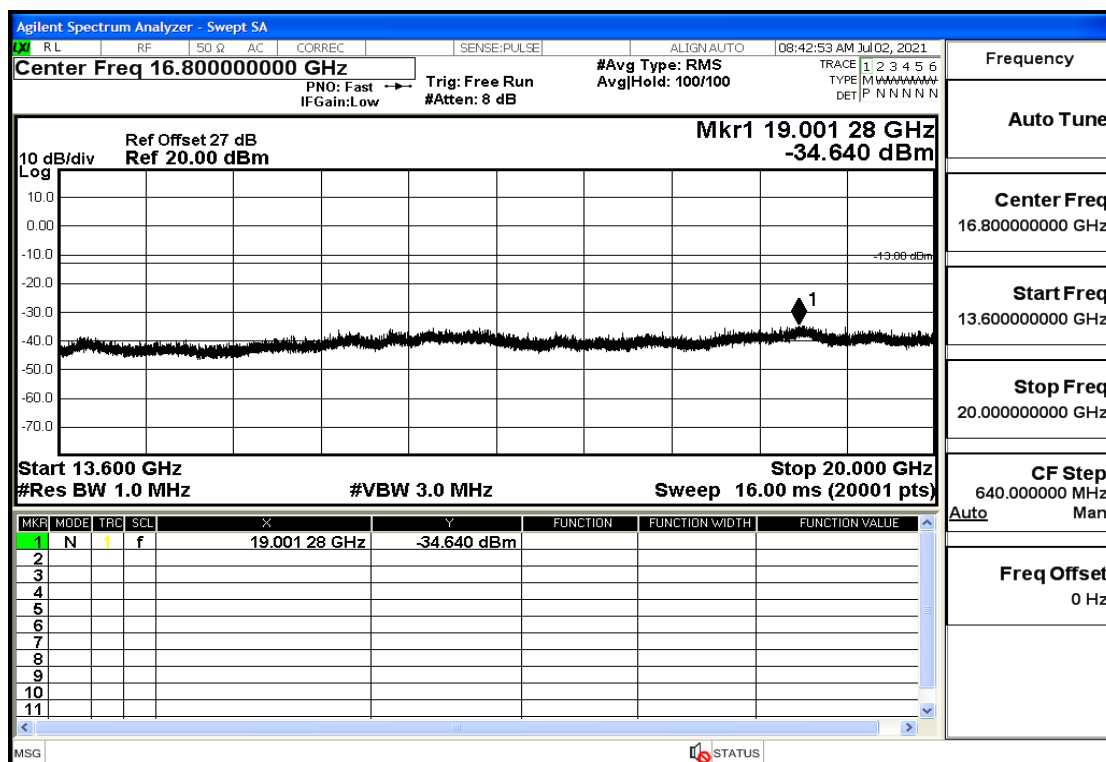
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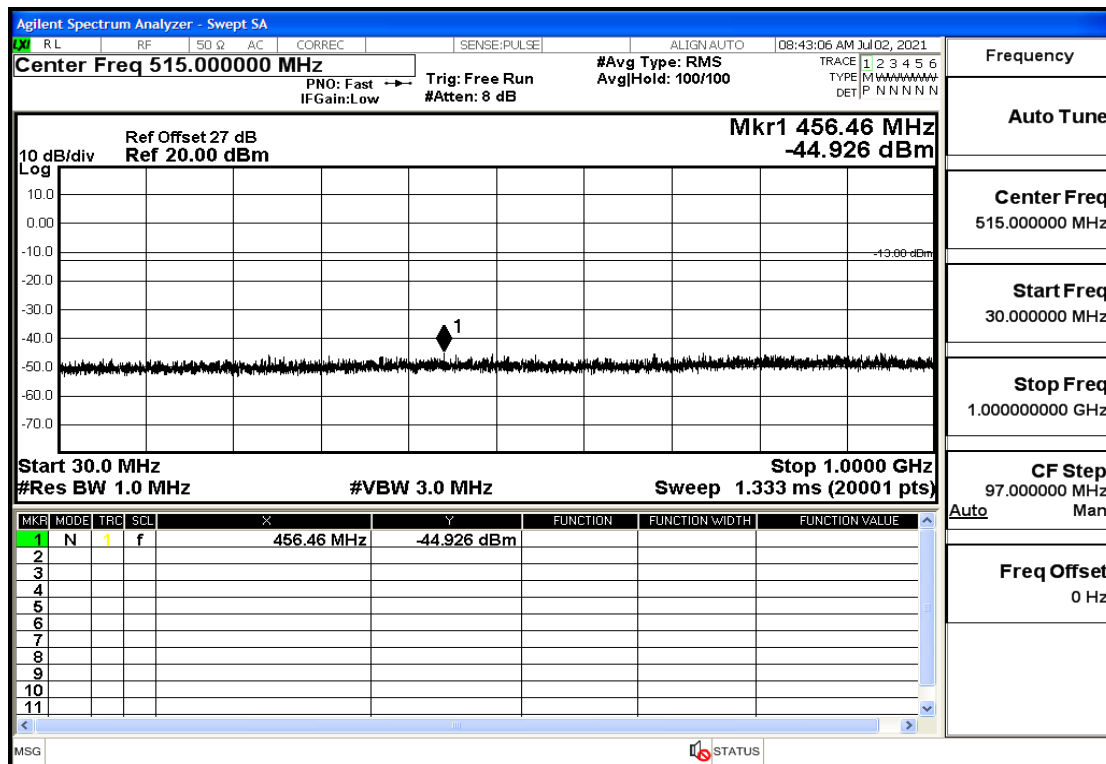
OB4-1.4-1732.5-QPSK-1#LOW@7GHz-13.6GHz@Pass



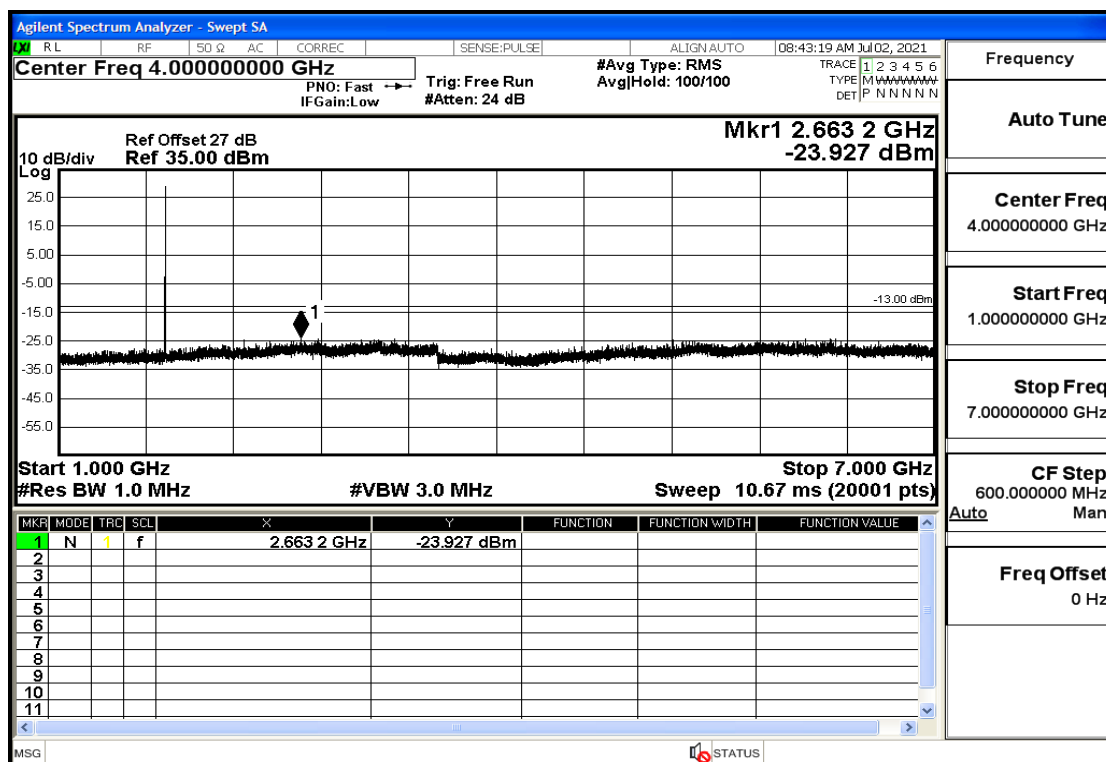
OB4-1.4-1732.5-QPSK-1#LOW@13.6GHz-20GHz@Pass



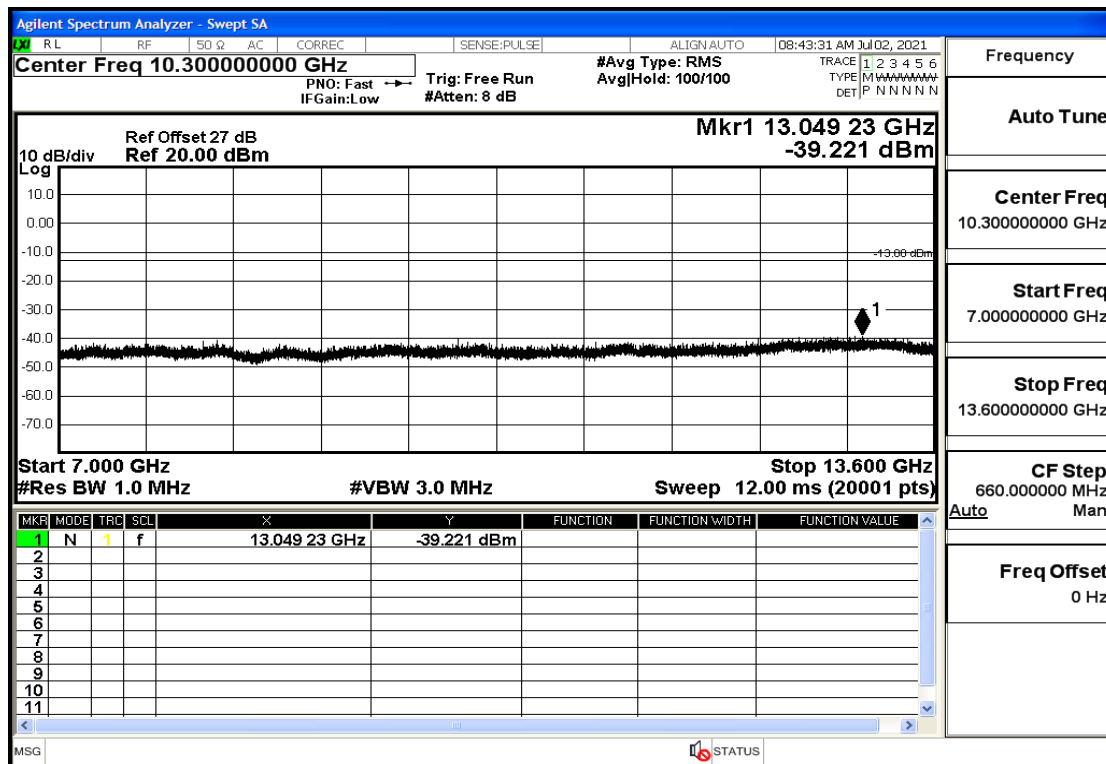
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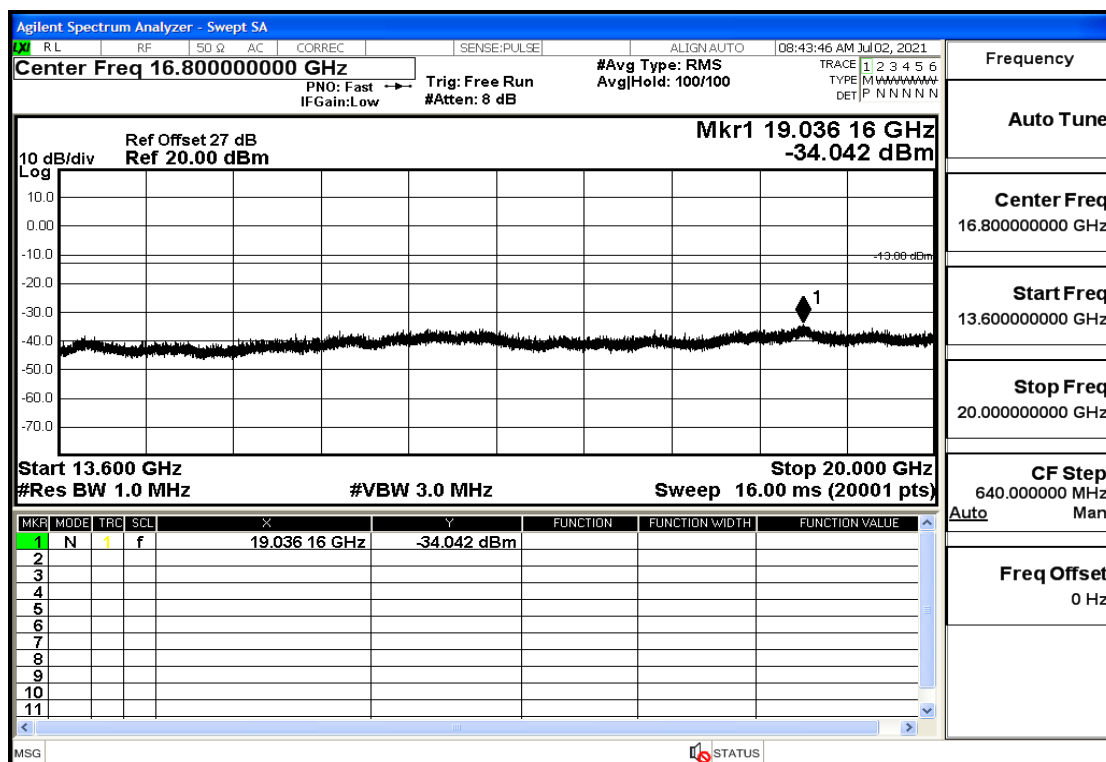
OB4-1.4-1732.5-QPSK-1#HIGH@1GHz-7GHz@Pass



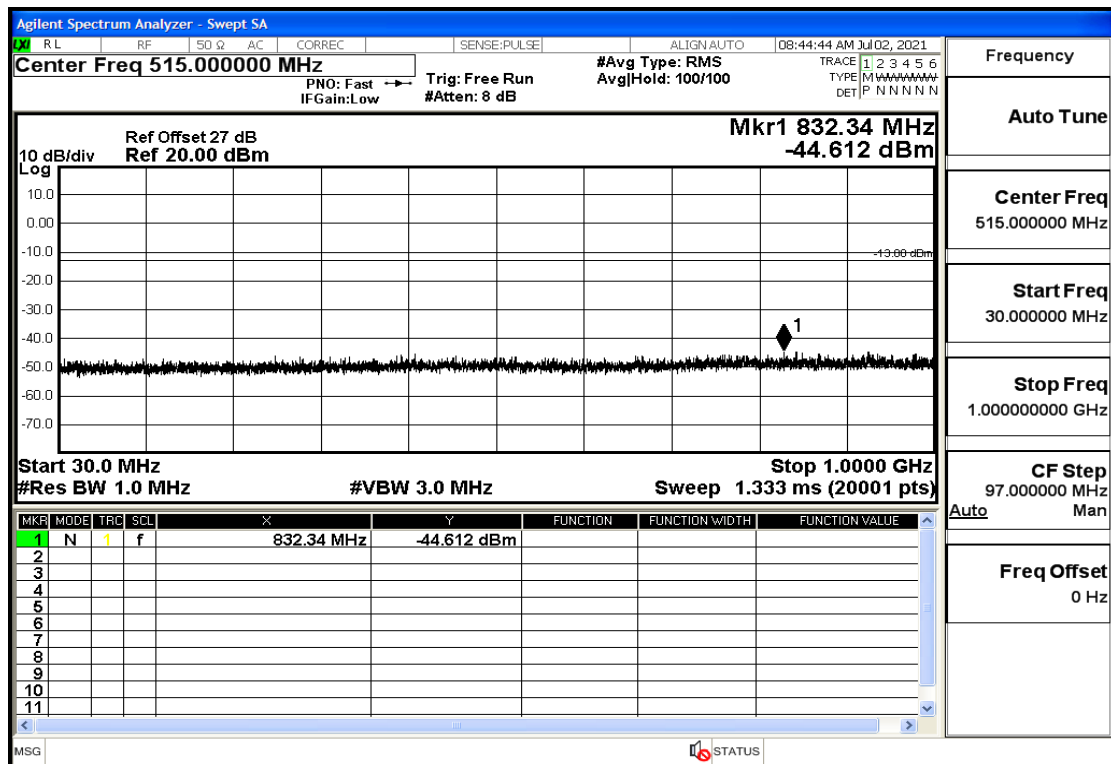
OB4-1.4-1732.5-QPSK-1#HIGH@7GHz-13.6GHz@Pass



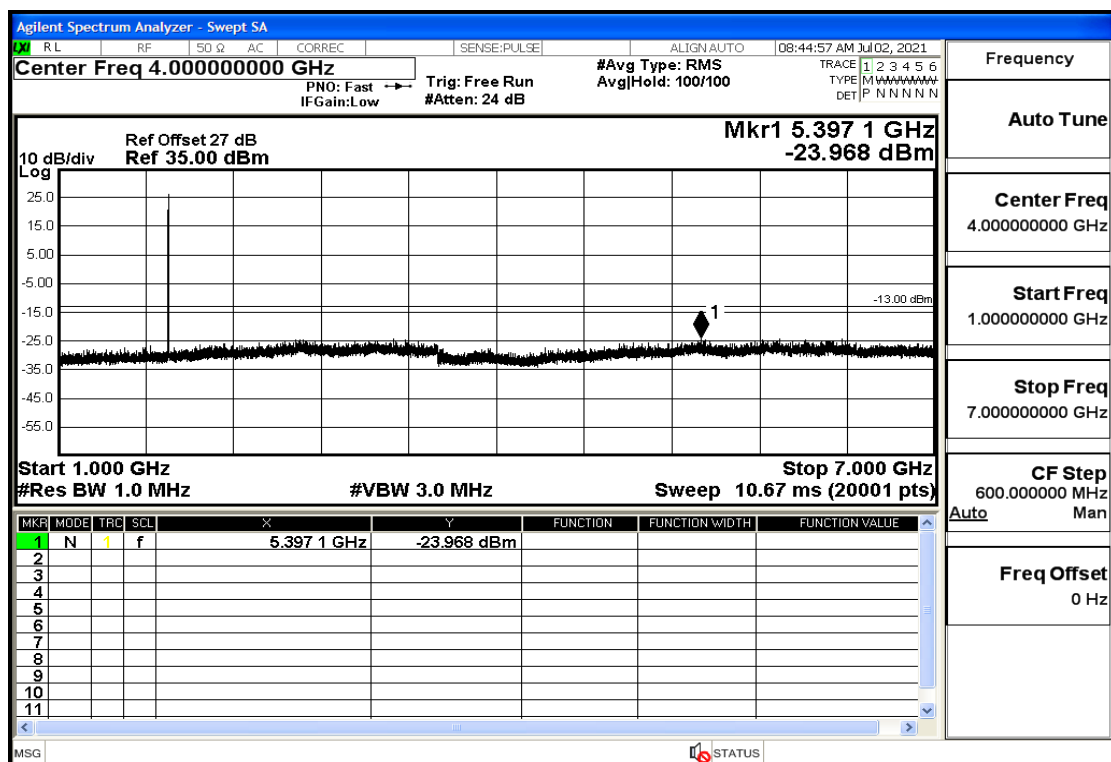
OB4-1.4-1732.5-QPSK-1#HIGH@13.6GHz-20GHz@Pass



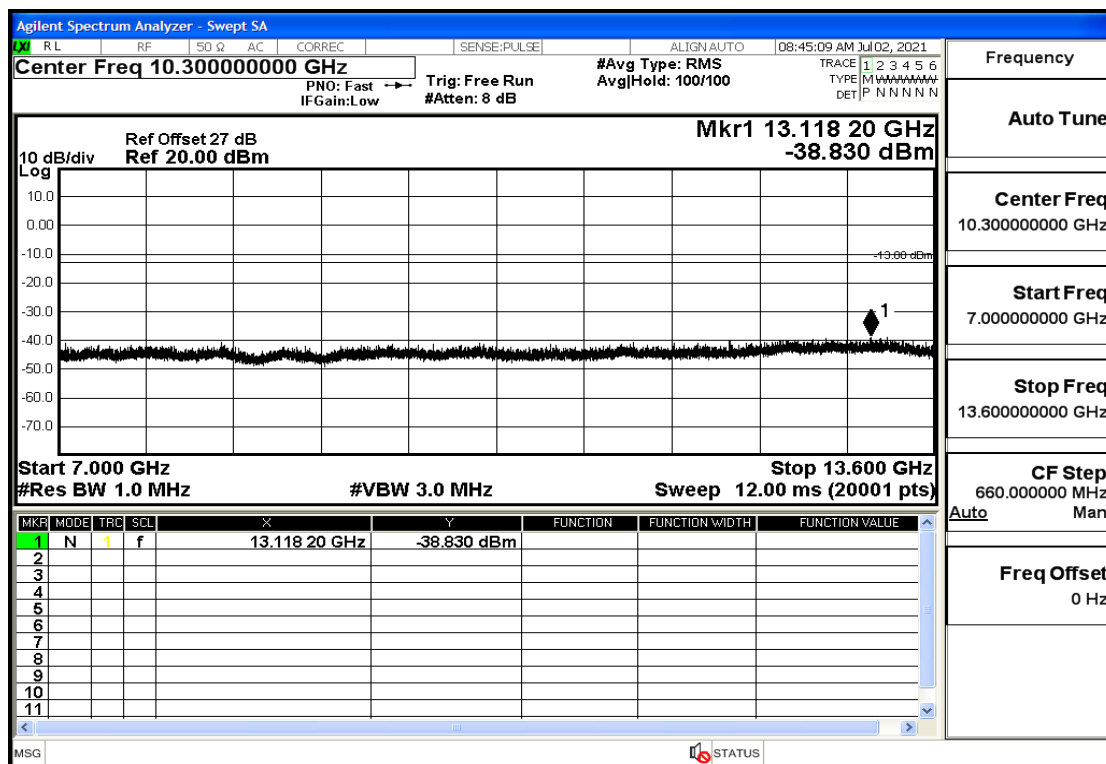
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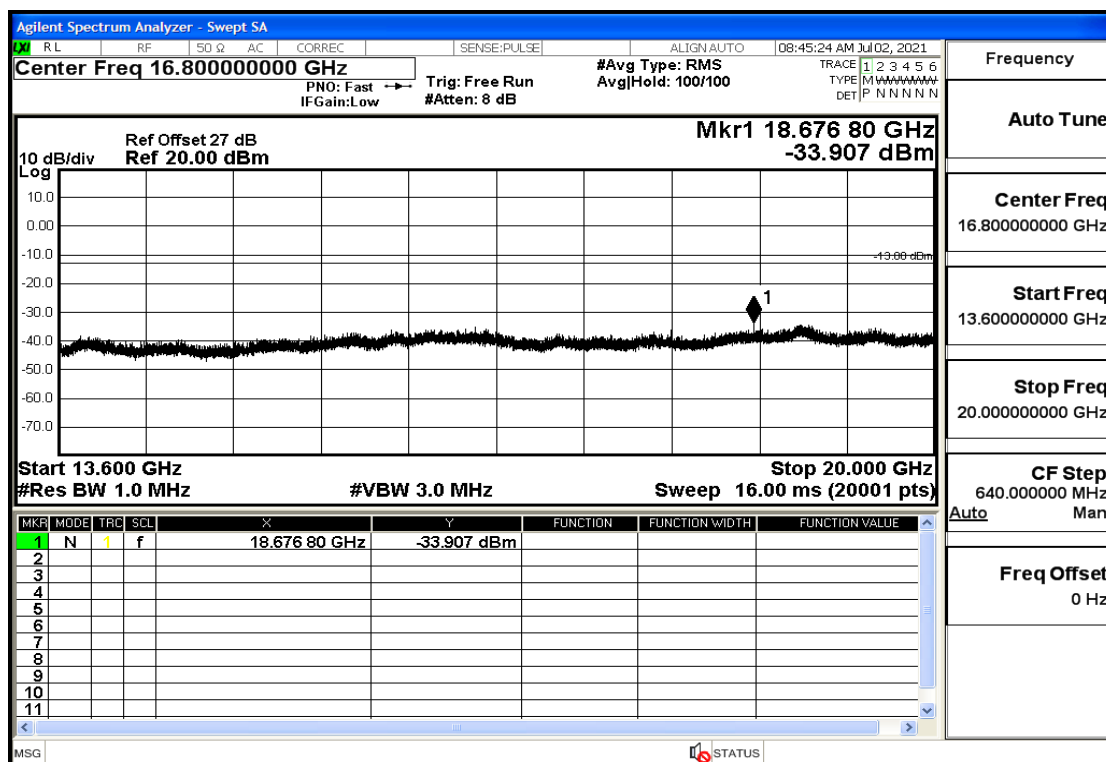
OB4-1.4-1754.3-QPSK-6#LOW@1GHz-7GHz@Pass



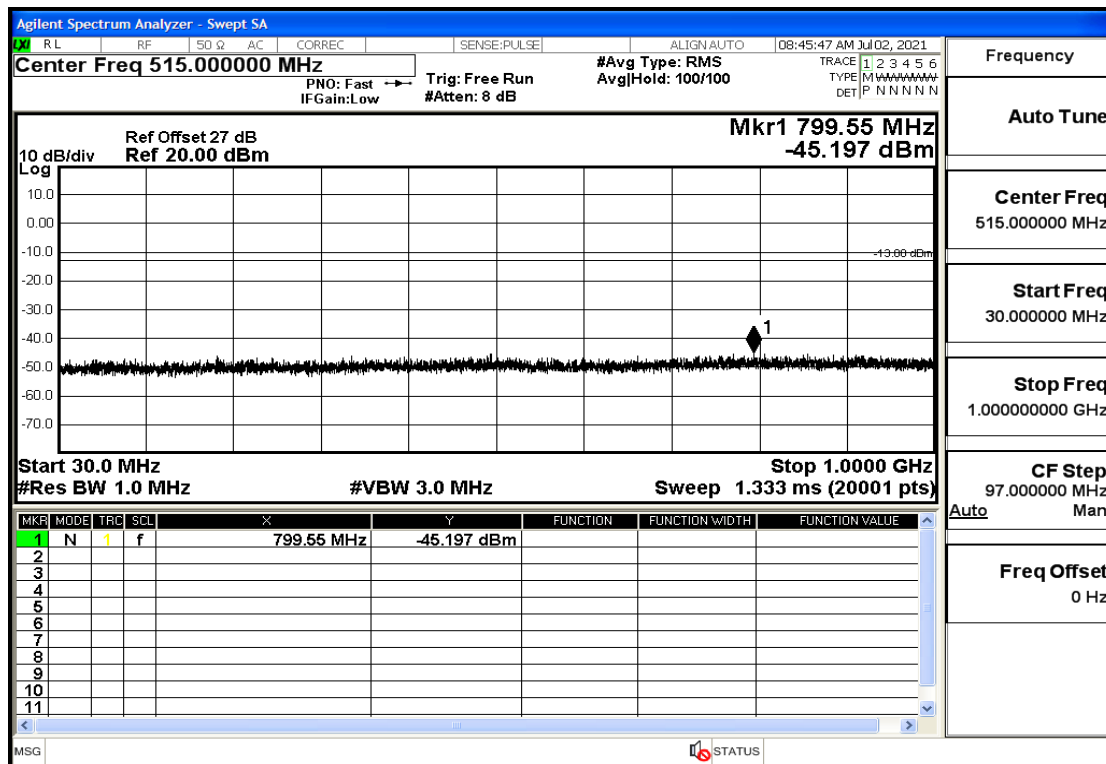
OB4-1.4-1754.3-QPSK-6#LOW@7GHz-13.6GHz@Pass



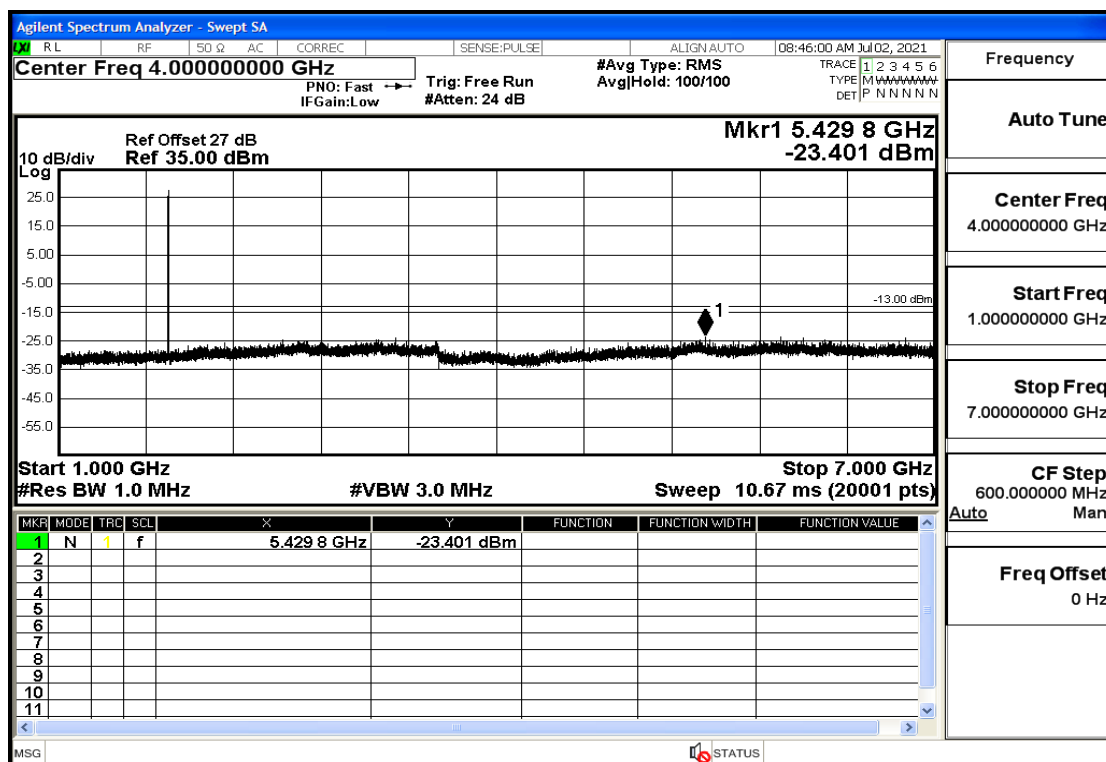
OB4-1.4-1754.3-QPSK-6#LOW@13.6GHz-20GHz@Pass



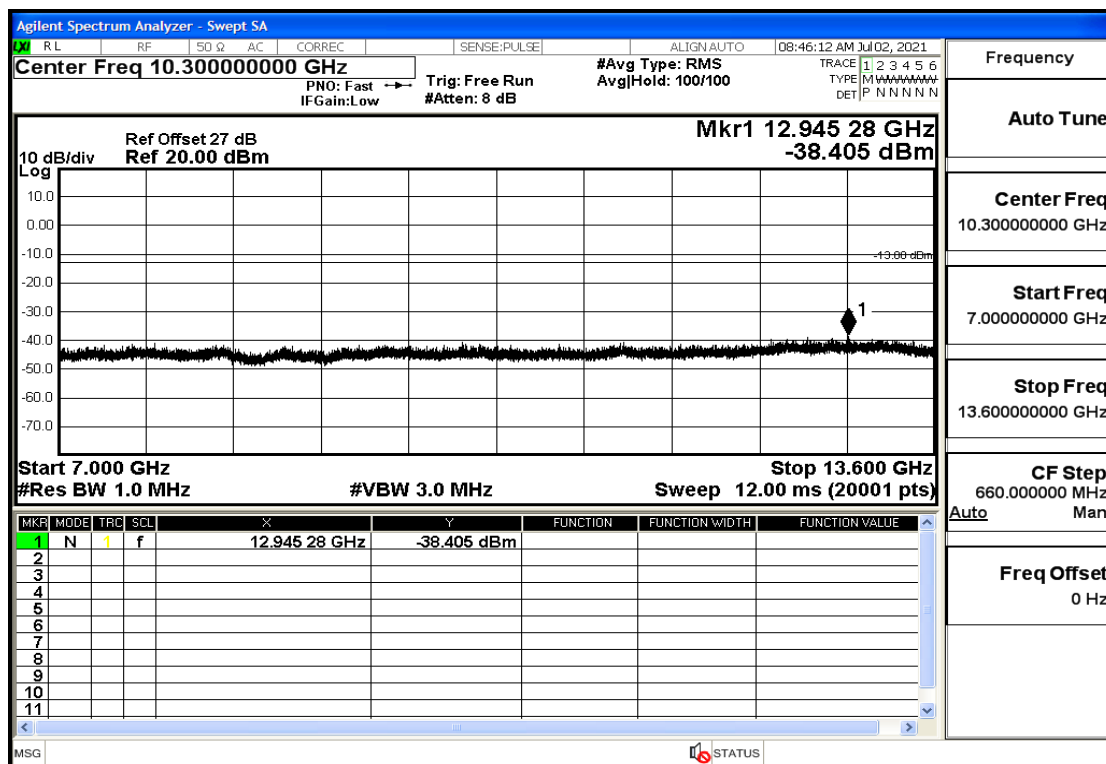
OB4-1.4-1754.3-QPSK-1#LOW@30mHz-1GHz@Pass



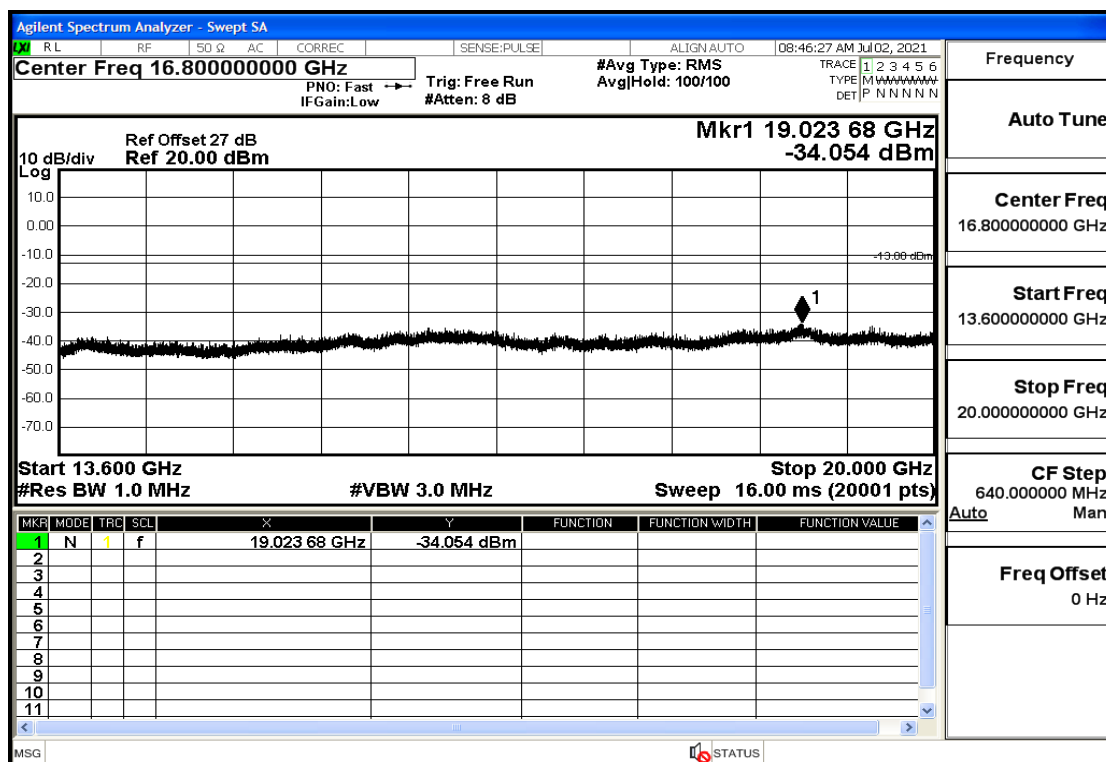
OB4-1.4-1754.3-QPSK-1#LOW@1GHz-7GHz@Pass



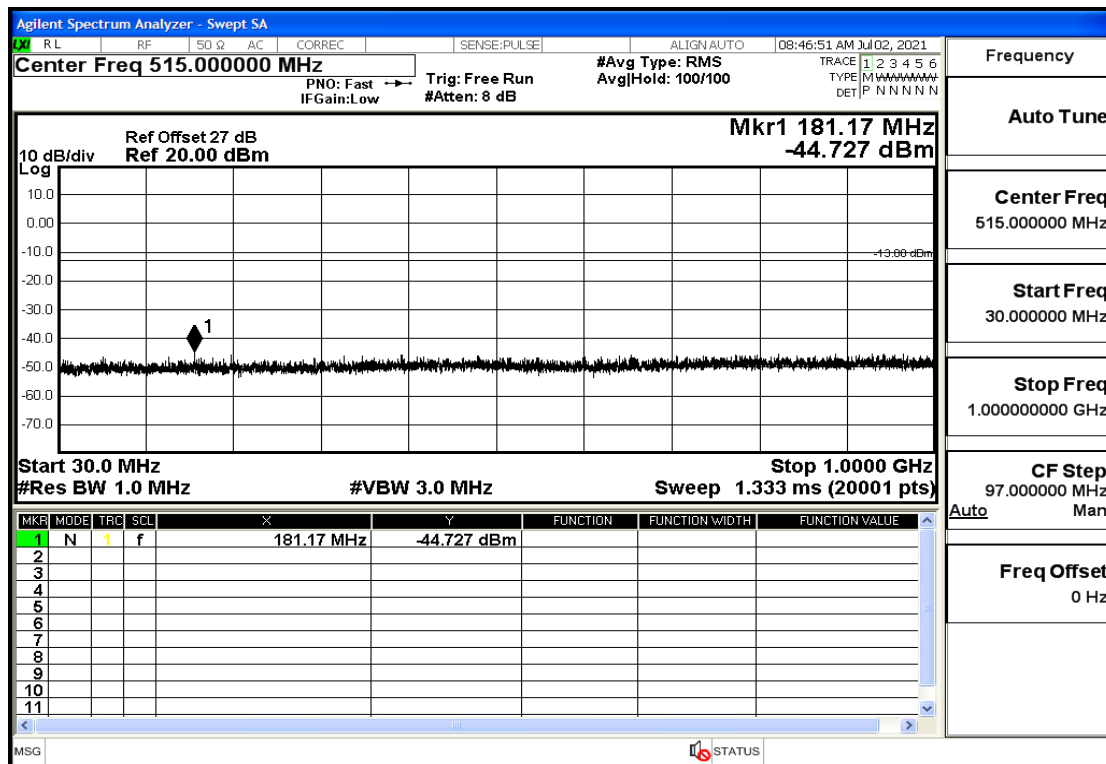
OB4-1.4-1754.3-QPSK-1#LOW@7GHz-13.6GHz@Pass



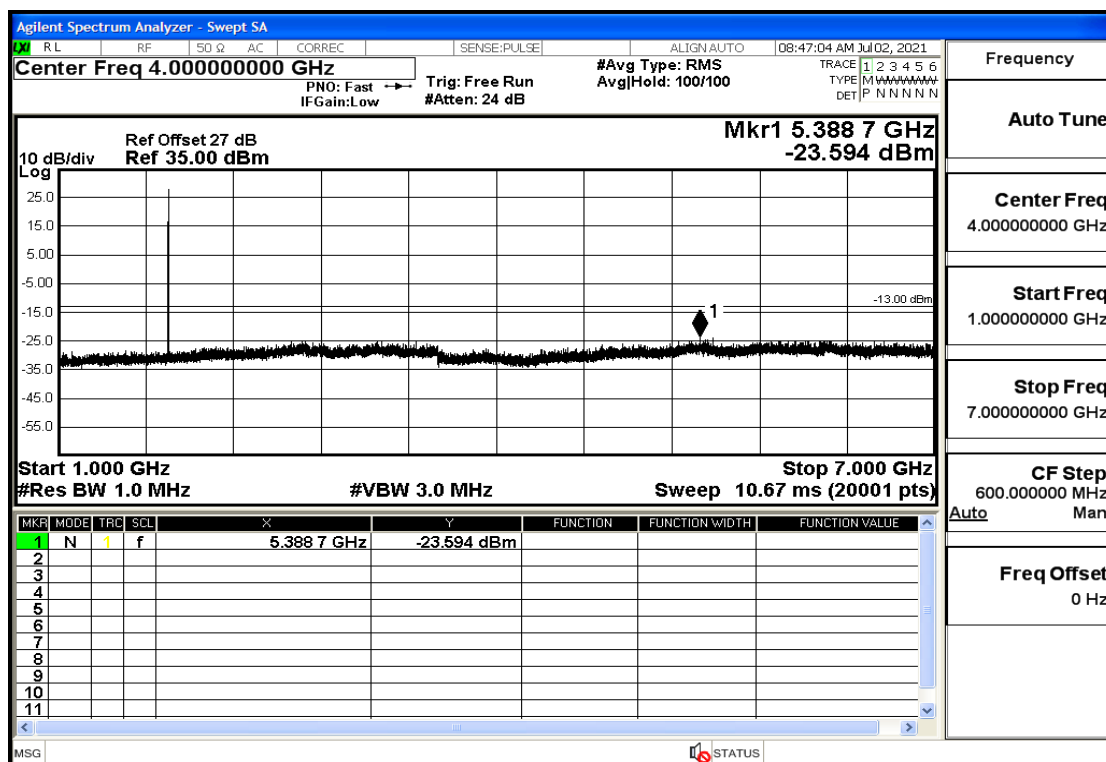
OB4-1.4-1754.3-QPSK-1#LOW@13.6GHz-20GHz@Pass



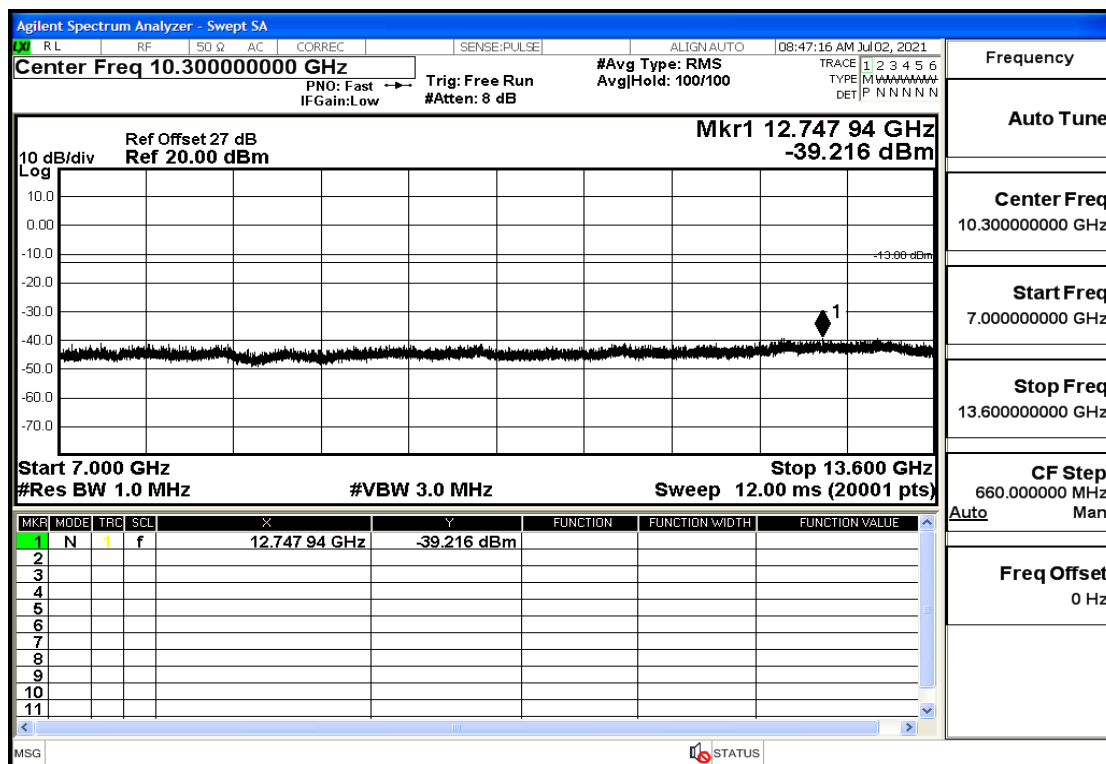
OB4-1.4-1754.3-QPSK-1#HIGH@30mHz-1GHz@Pass



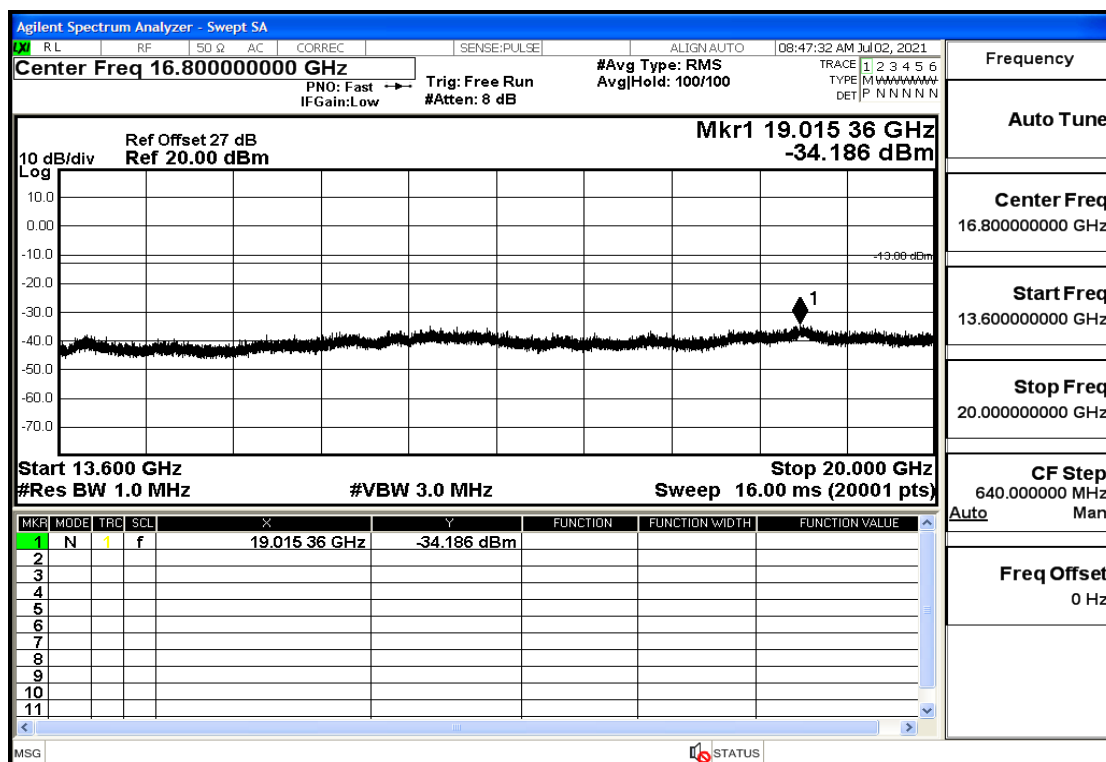
OB4-1.4-1754.3-QPSK-1#HIGH@1GHz-7GHz@Pass



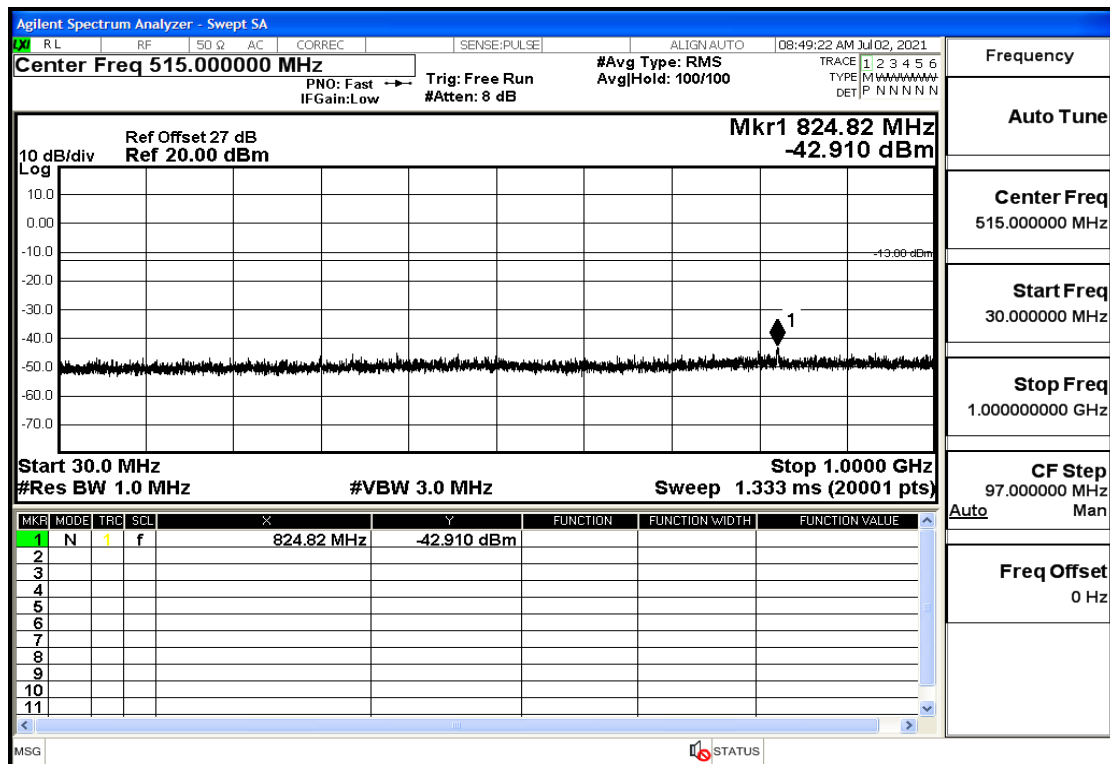
OB4-1.4-1754.3-QPSK-1#HIGH@7GHz-13.6GHz@Pass



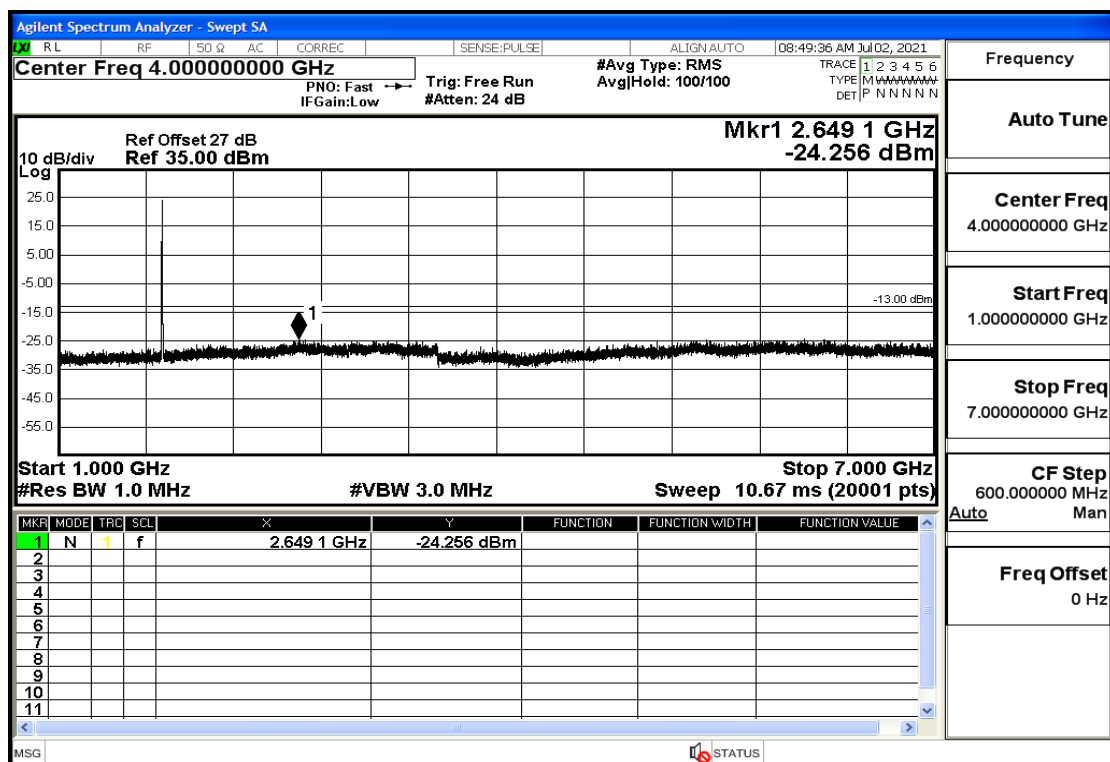
OB4-1.4-1754.3-QPSK-1#HIGH@13.6GHz-20GHz@Pass



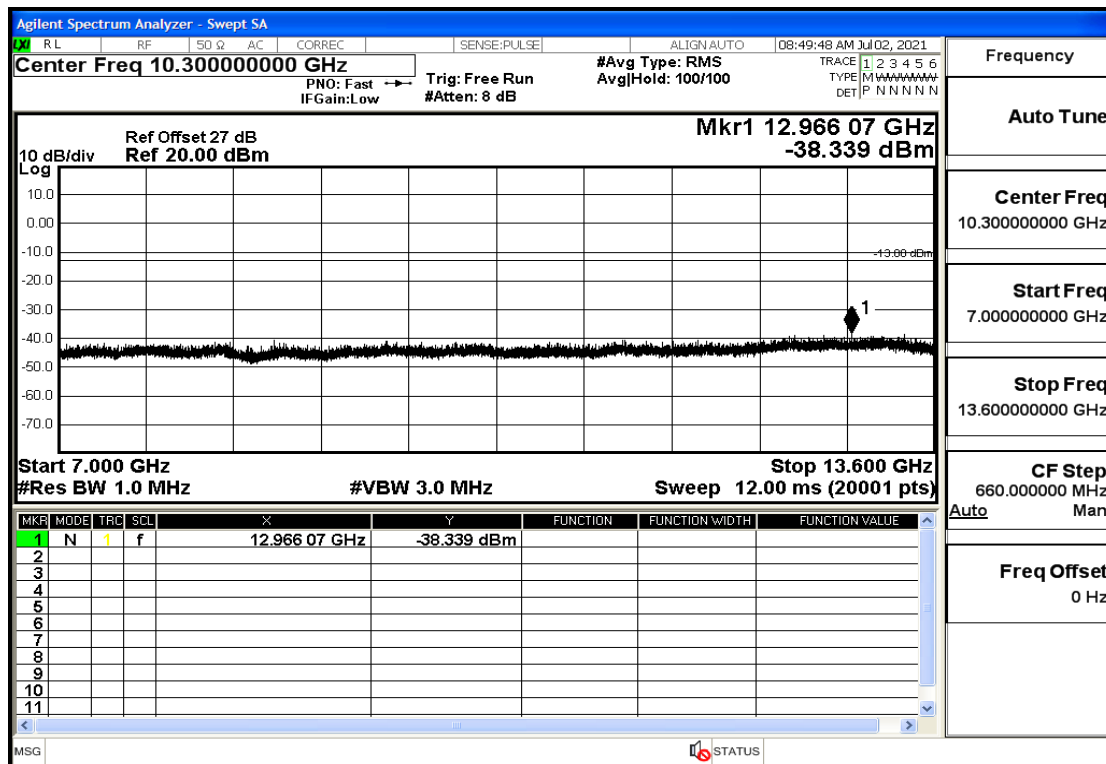
OB4-3-1711.5-QPSK-15#LOW@30MHz-1GHz@Pass



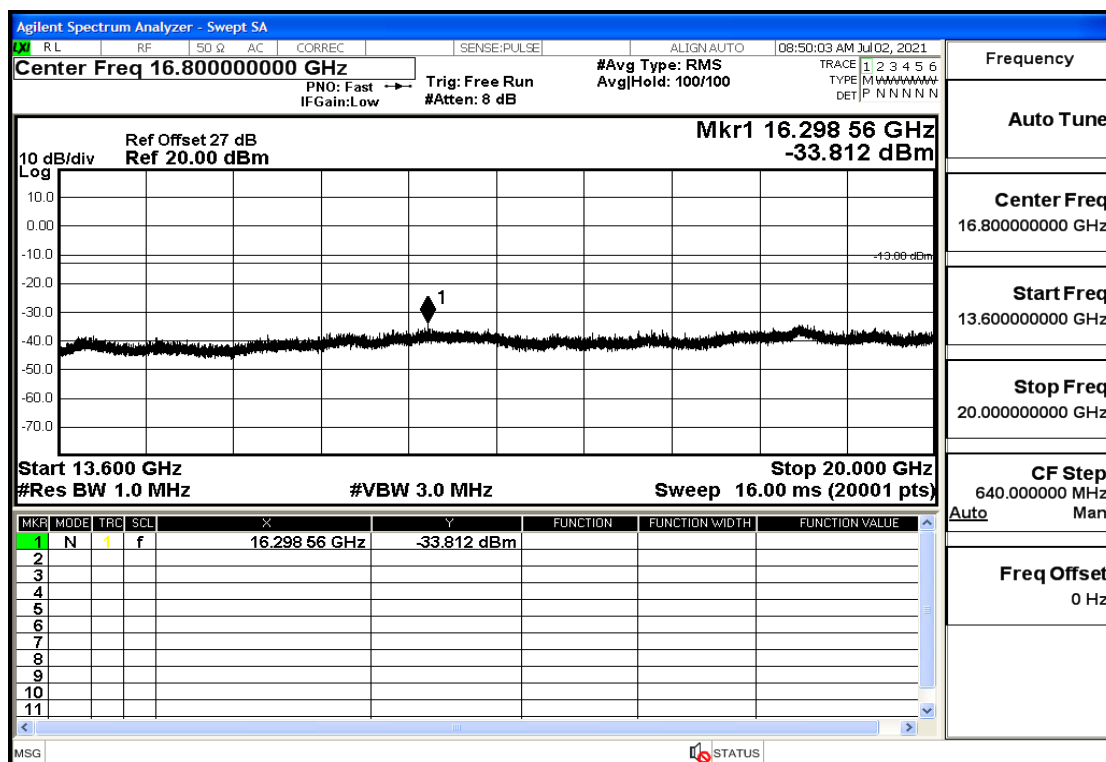
OB4-3-1711.5-QPSK-15#LOW@1GHz-7GHz@Pass



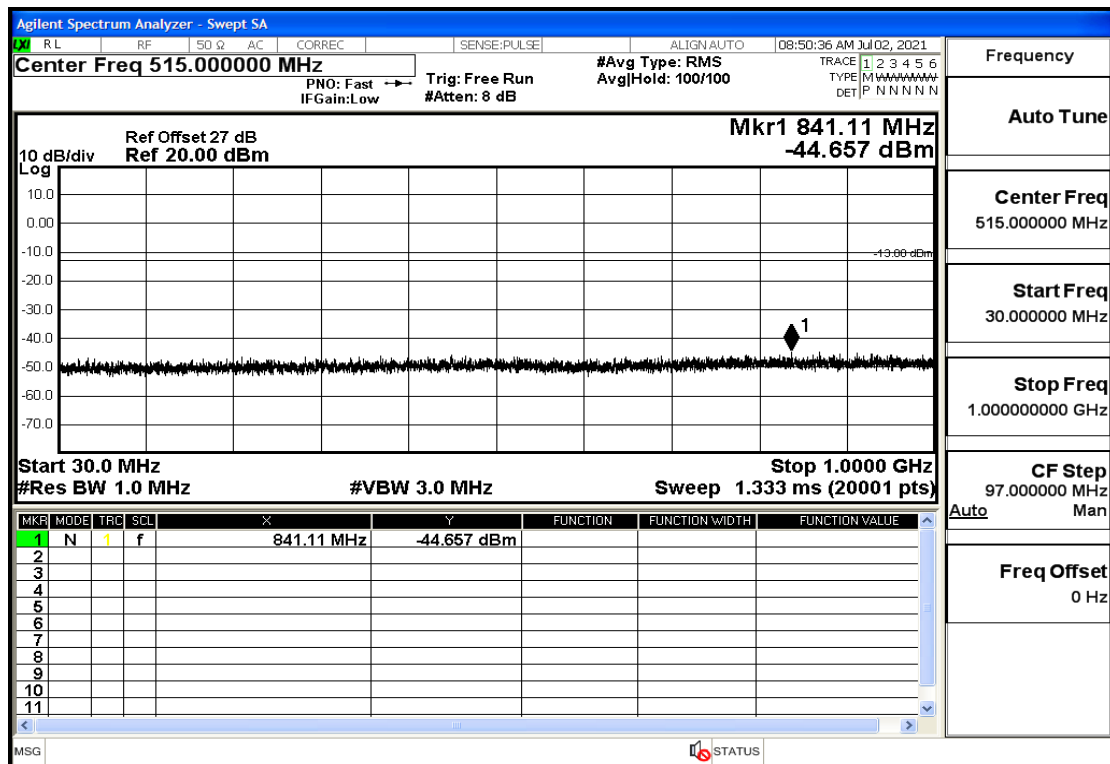
OB4-3-1711.5-QPSK-15#LOW@7GHz-13.6GHz@Pass



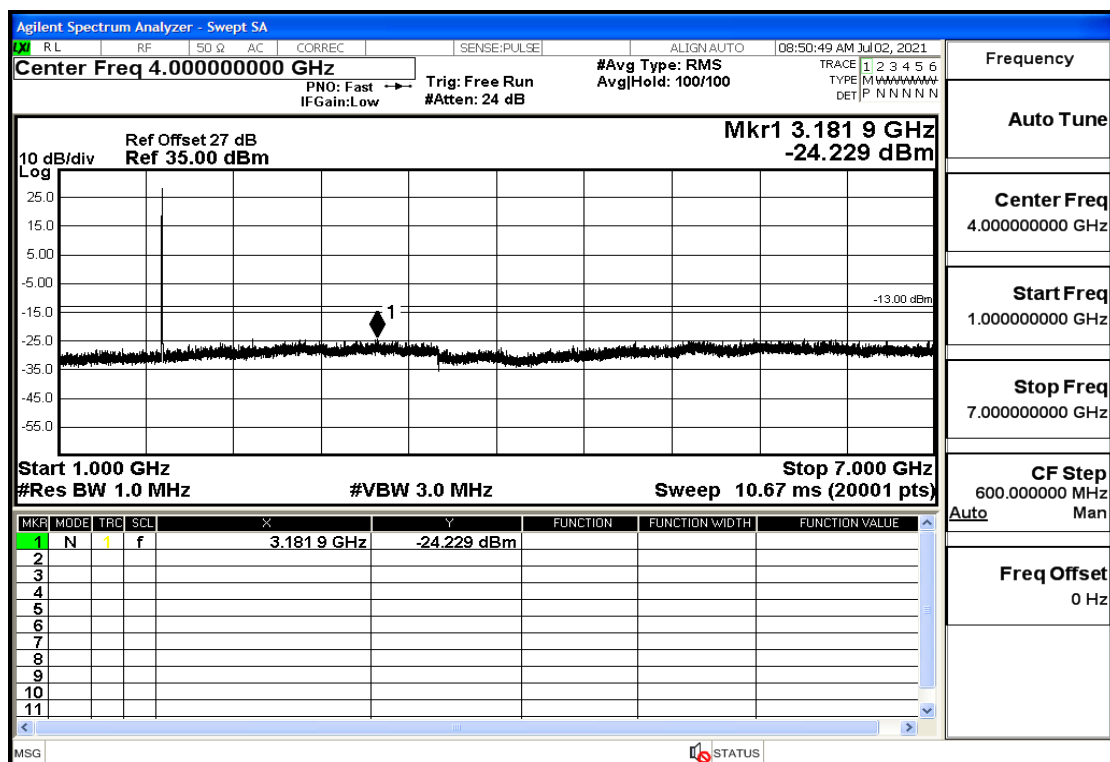
OB4-3-1711.5-QPSK-15#LOW@13.6GHz-20GHz@Pass



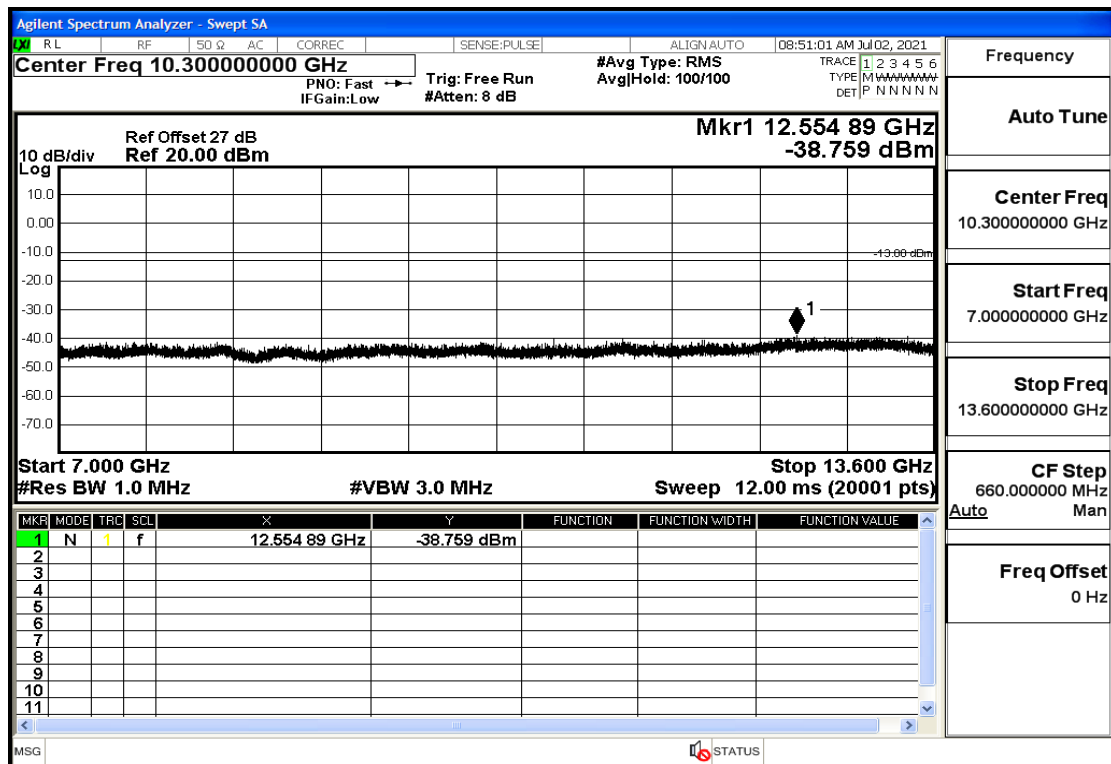
OB4-3-1711.5-QPSK-1#LOW@30mHz-1GHz@Pass



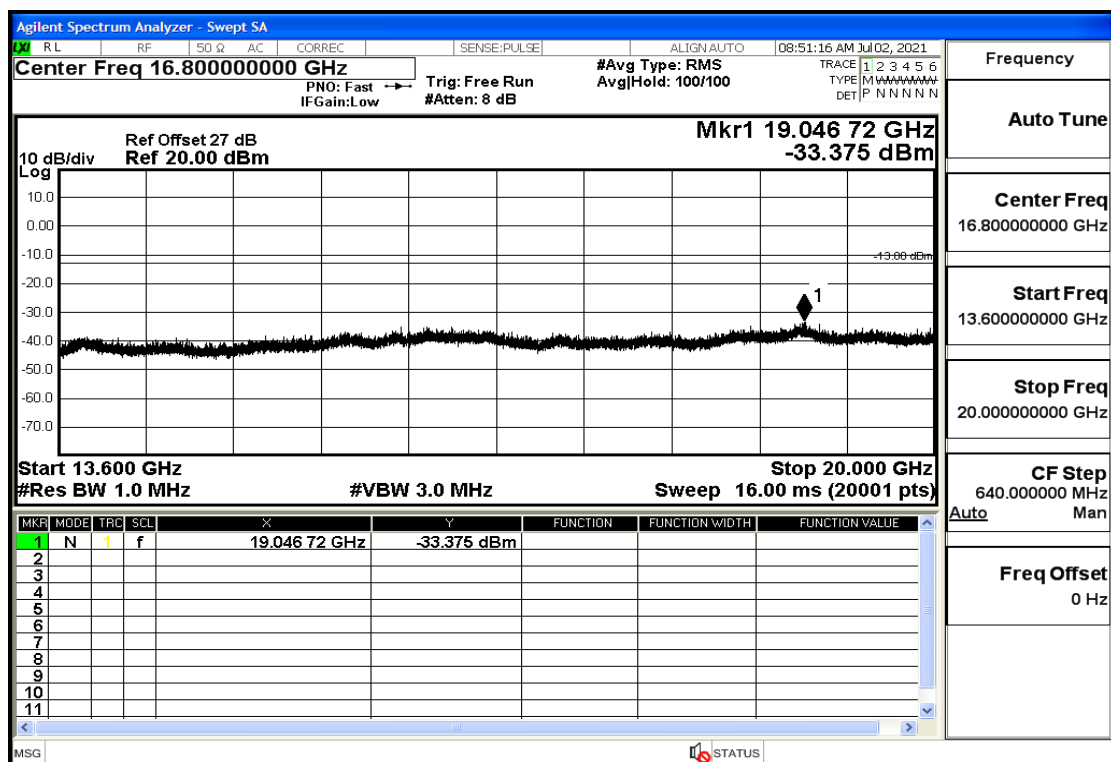
OB4-3-1711.5-QPSK-1#LOW@1GHz-7GHz@Pass



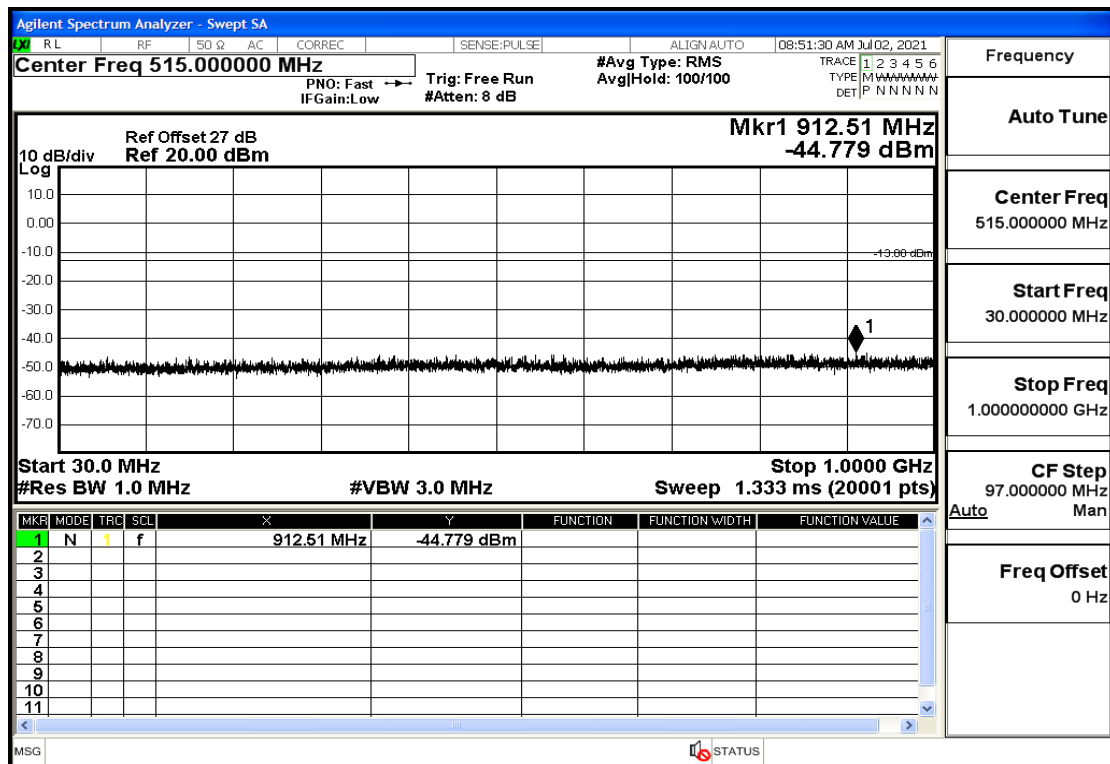
OB4-3-1711.5-QPSK-1#LOW@7GHz-13.6GHz@Pass



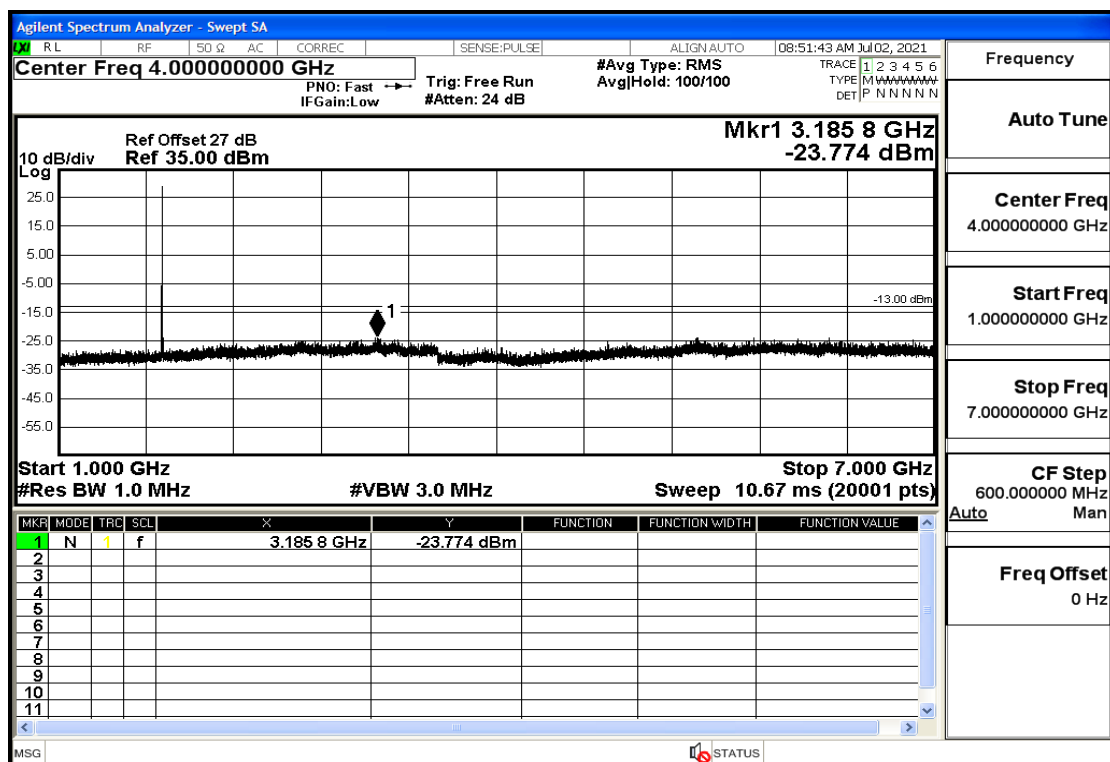
OB4-3-1711.5-QPSK-1#LOW@13.6GHz-20GHz@Pass



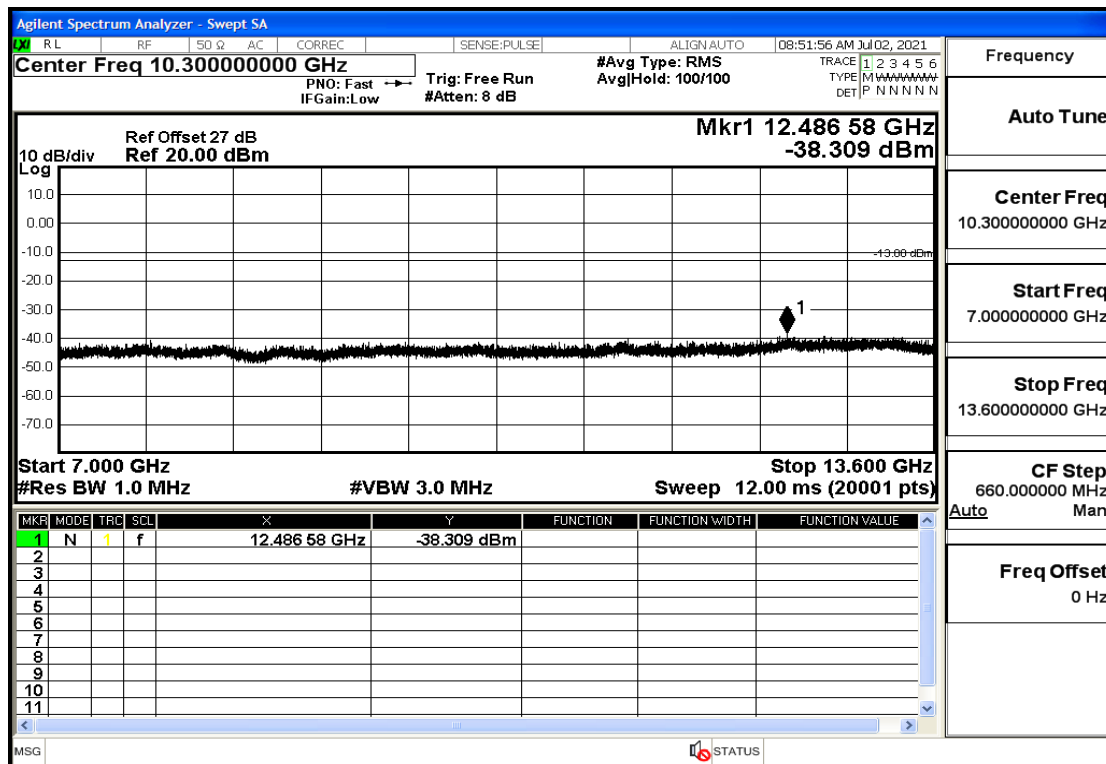
OB4-3-1711.5-QPSK-1#HIGH@30mHz-1GHz@Pass



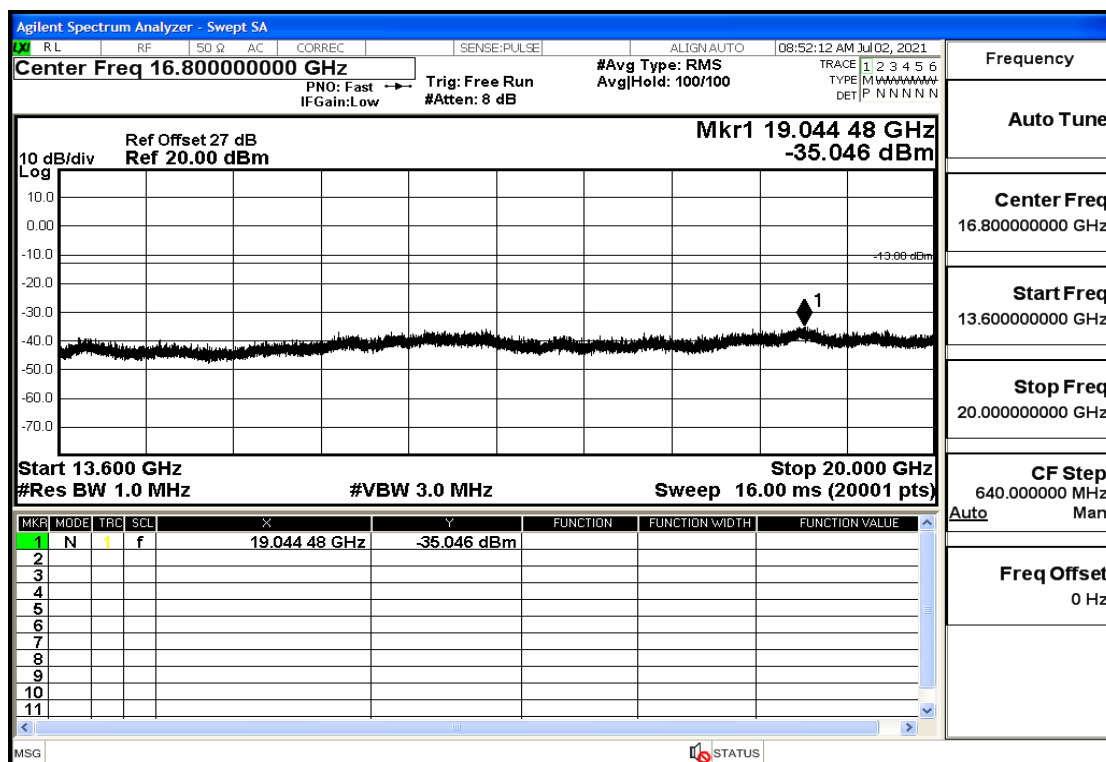
OB4-3-1711.5-QPSK-1#HIGH@1GHz-7GHz@Pass



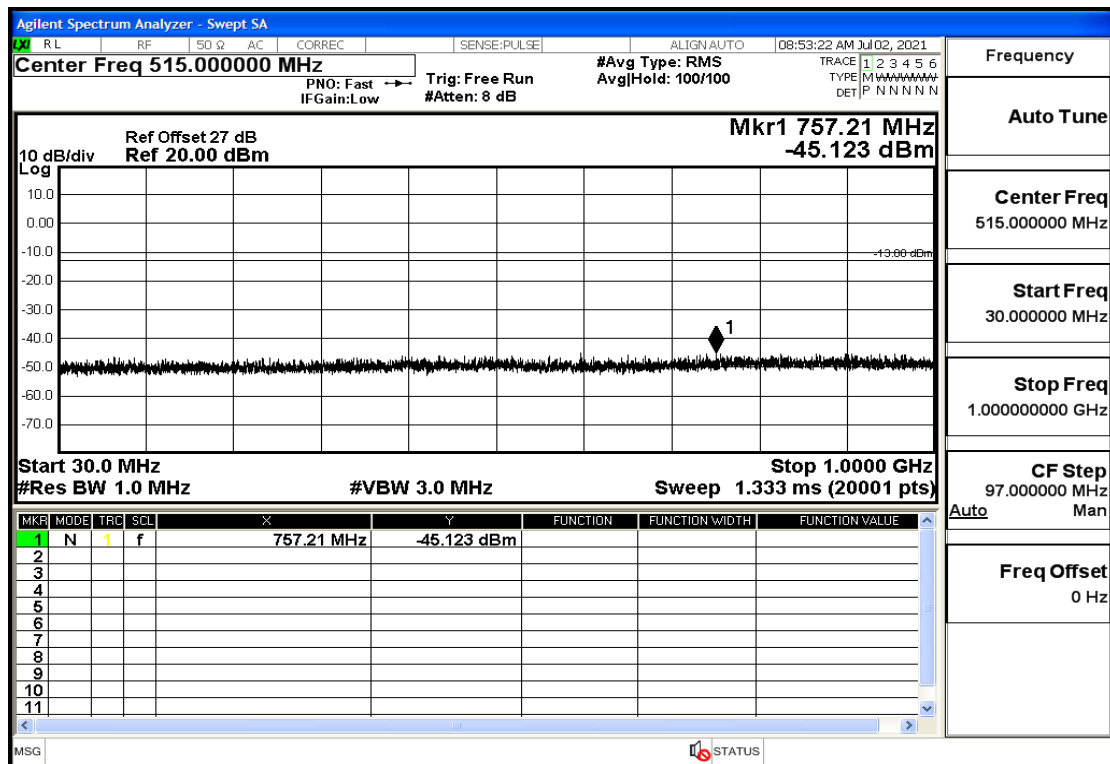
OB4-3-1711.5-QPSK-1#HIGH@7GHz-13.6GHz@Pass



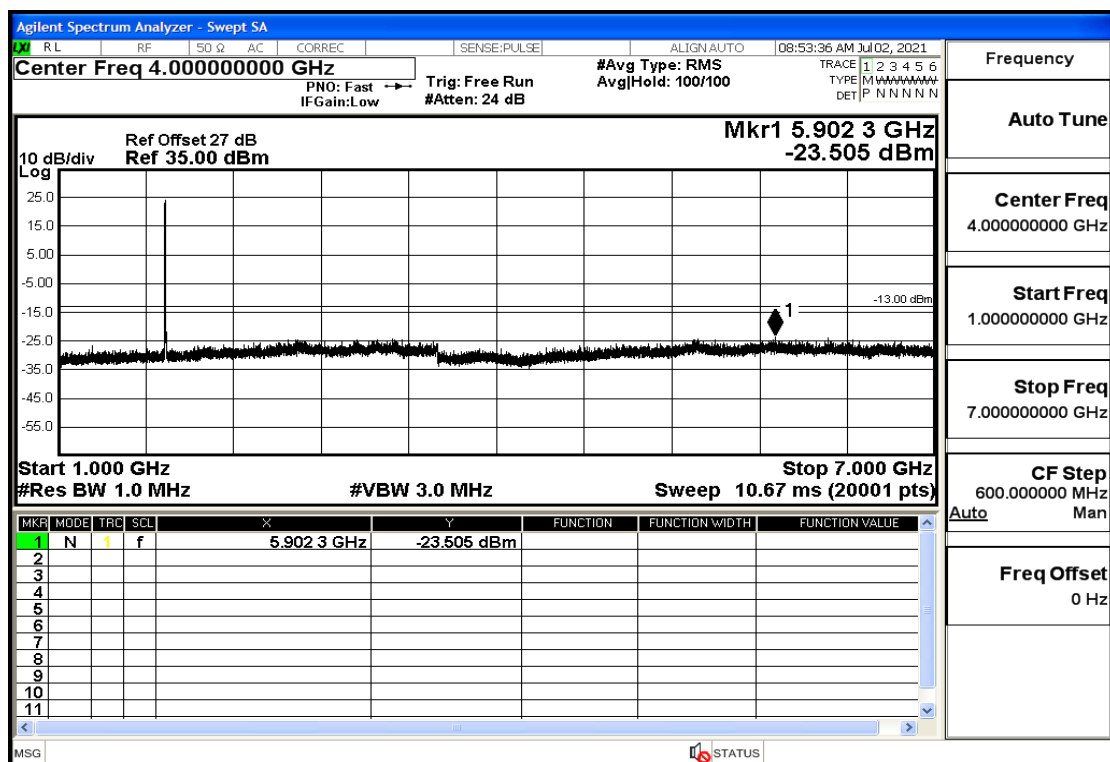
OB4-3-1711.5-QPSK-1#HIGH@13.6GHz-20GHz@Pass



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



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



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN: AUTO 08:53:48 AM Jul 02, 2021

Center Freq 10.300000000 GHz PNO: Fast IFGain:Low Trig: Free Run #Atten: 8 dB #Avg Type: RMS AvgHold: 100/100 TRACE 1 2 3 4 5 6 TYPE M W X Y Z DET P N N N N N

10 dB/div Ref Offset 27 dB Mkr1 12.488 23 GHz
Log Ref 20.00 dBm -38.434 dBm

Start 7.000 GHz Stop 13.600 GHz
#Res BW 1.0 MHz #VBW 3.0 MHz Sweep 12.00 ms (20001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	f	f	12.488 23 GHz	-38.434 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq 10.300000000 GHz

Start Freq 7.000000000 GHz

Stop Freq 13.600000000 GHz

CF Step 660.000000 MHz

Auto Man

Freq Offset 0 Hz

Agilent Spectrum Analyzer - Swept SA

☒ R L RF 50 Ω AC CORREC SENSE:PULSE ALIGN:AUTO 08:54:03 AM Jul 02, 2021

Center Freq 16.800000000 GHz PNO: Fast → Trig: Free Run #Avg Type: RMS TRACE 1 2 3 4 5 6
 IFGain:Low #Atten: 8 dB Avg|Hold: 100/100 TYPE: NNNNNNNN
 DET: P NNNNNN

10 dB/div Ref Offset 27 dB **Mkr1 19.082 88 GHz**
 Log Ref 20.00 dBm -33.856 dBm

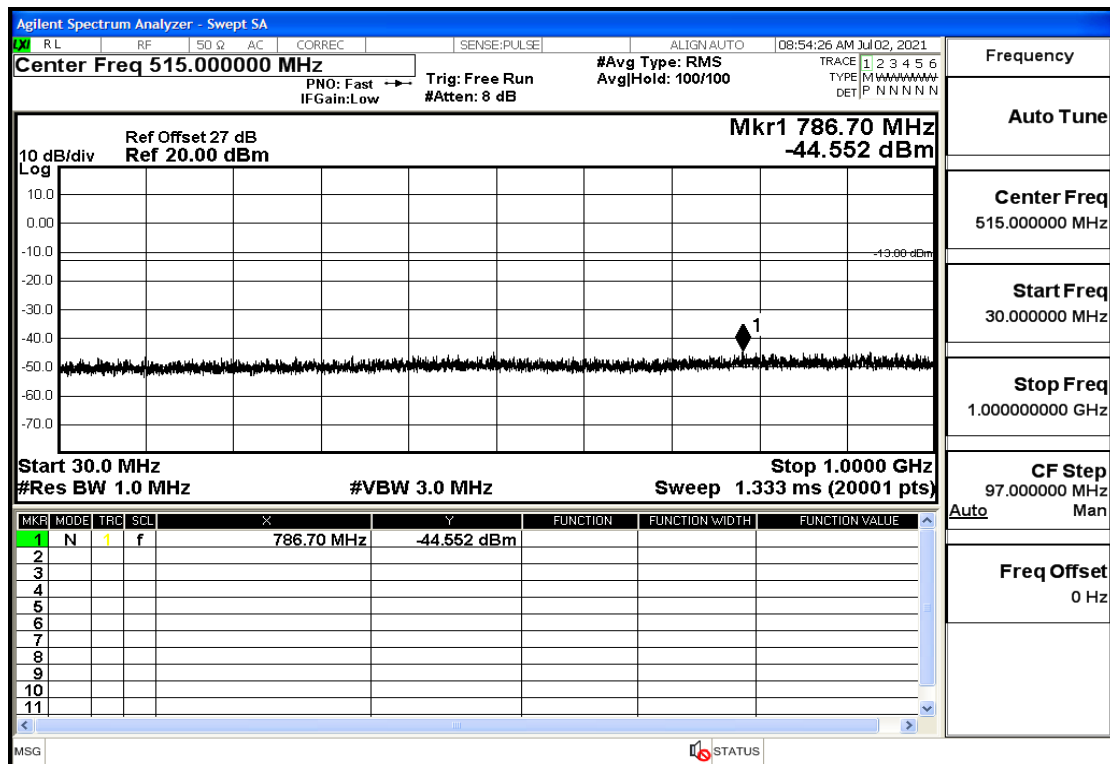
Start 13.600 GHz Stop 20.000 GHz
 #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 16.00 ms (20001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	19.082 88 GHz	-33.856 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

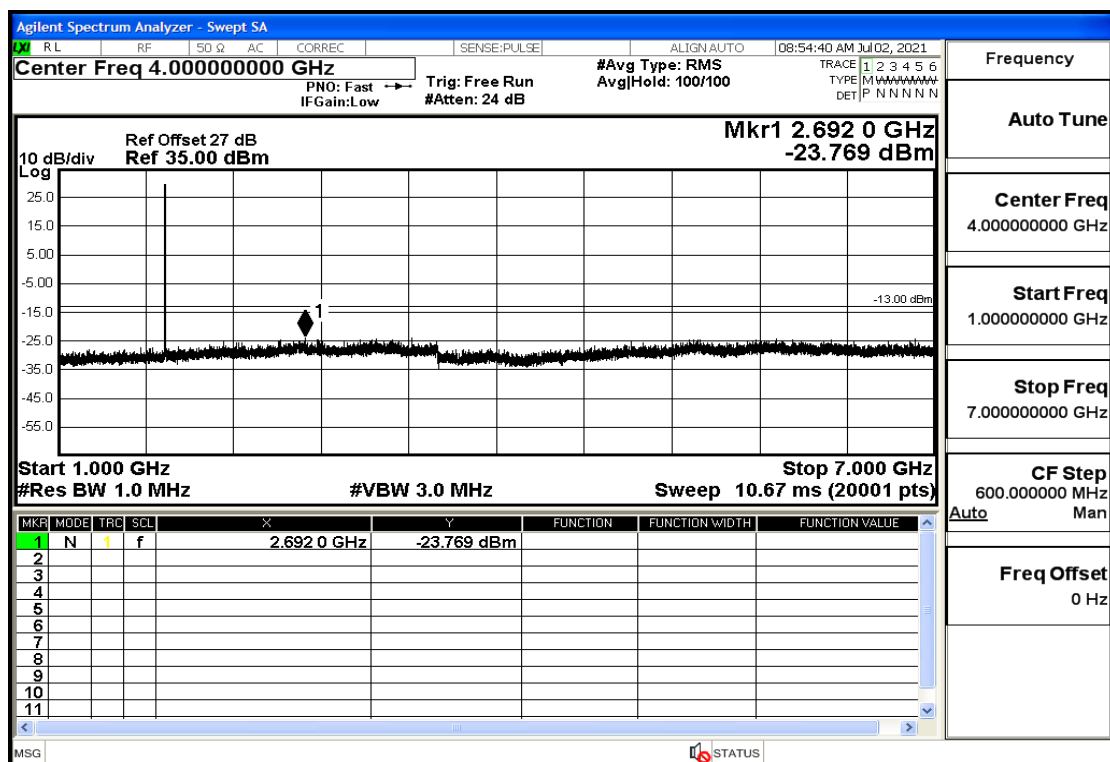
MSG STATUS

Frequency
 Auto Tune
 Center Freq 16.800000000 GHz
 Start Freq 13.600000000 GHz
 Stop Freq 20.000000000 GHz
 CF Step 640.000000 MHz
 Auto Man
 Freq Offset 0 Hz

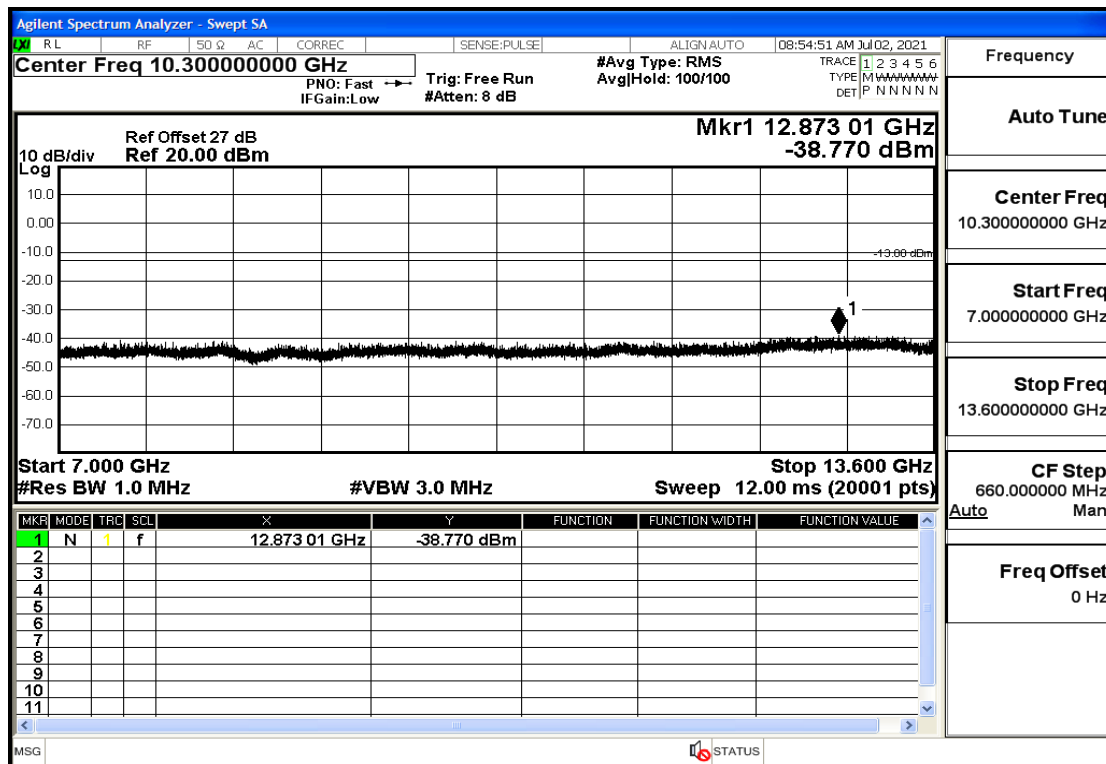
OB4-3-1732.5-QPSK-1#LOW@30mHz-1GHz@Pass



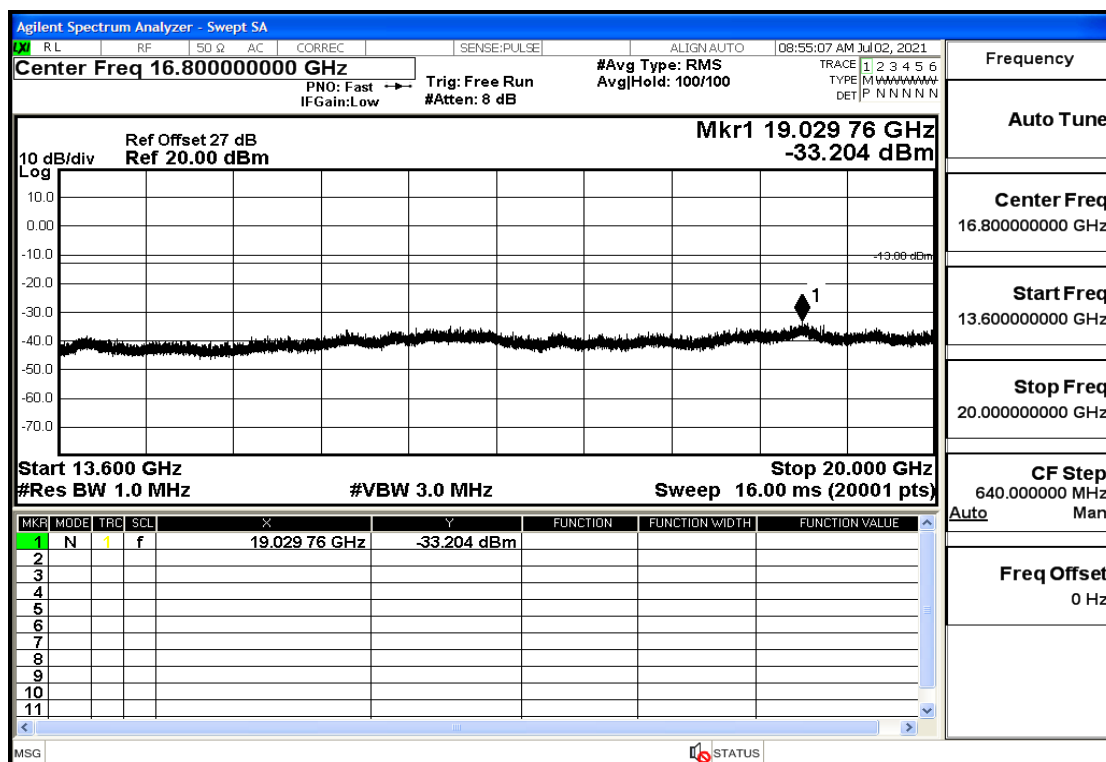
OB4-3-1732.5-QPSK-1#LOW@1GHz-7GHz@Pass



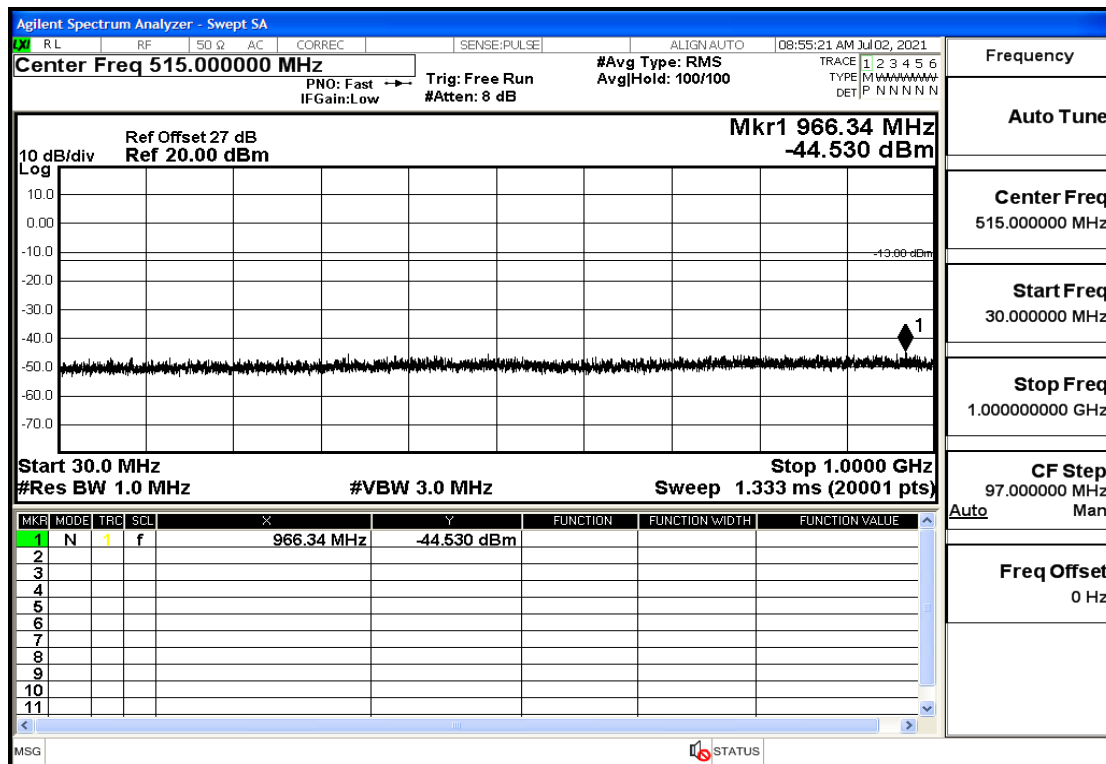
OB4-3-1732.5-QPSK-1#LOW@7GHz-13.6GHz@Pass



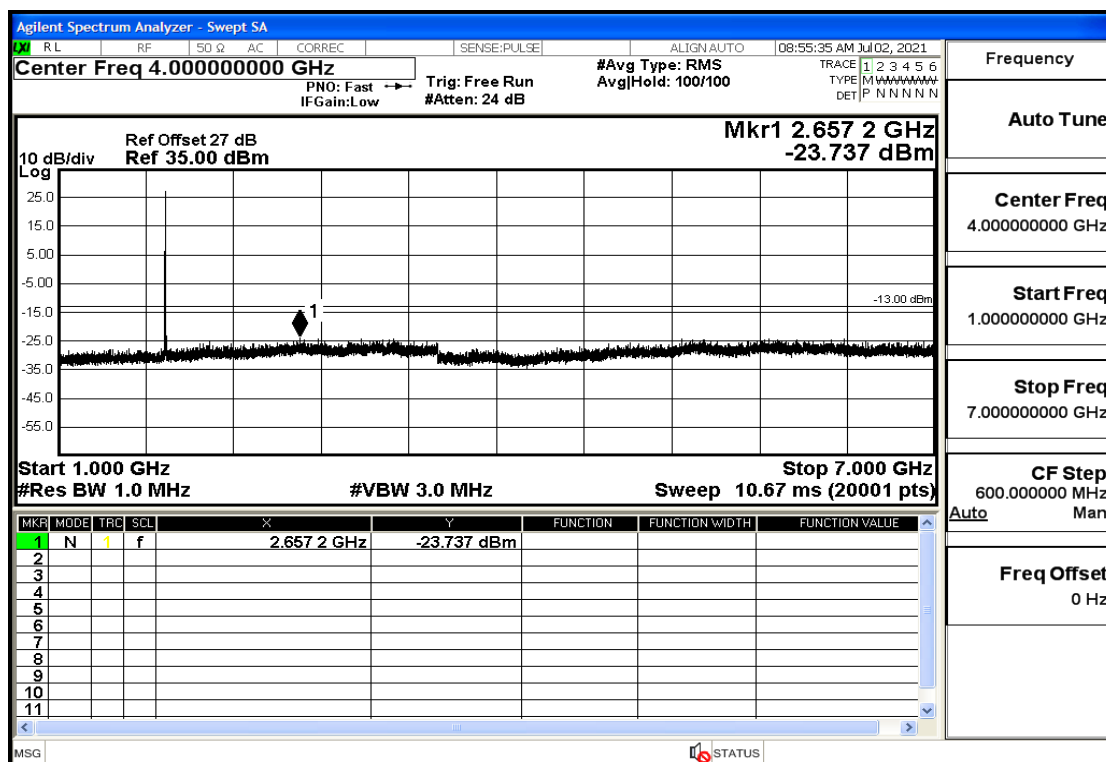
OB4-3-1732.5-QPSK-1#LOW@13.6GHz-20GHz@Pass



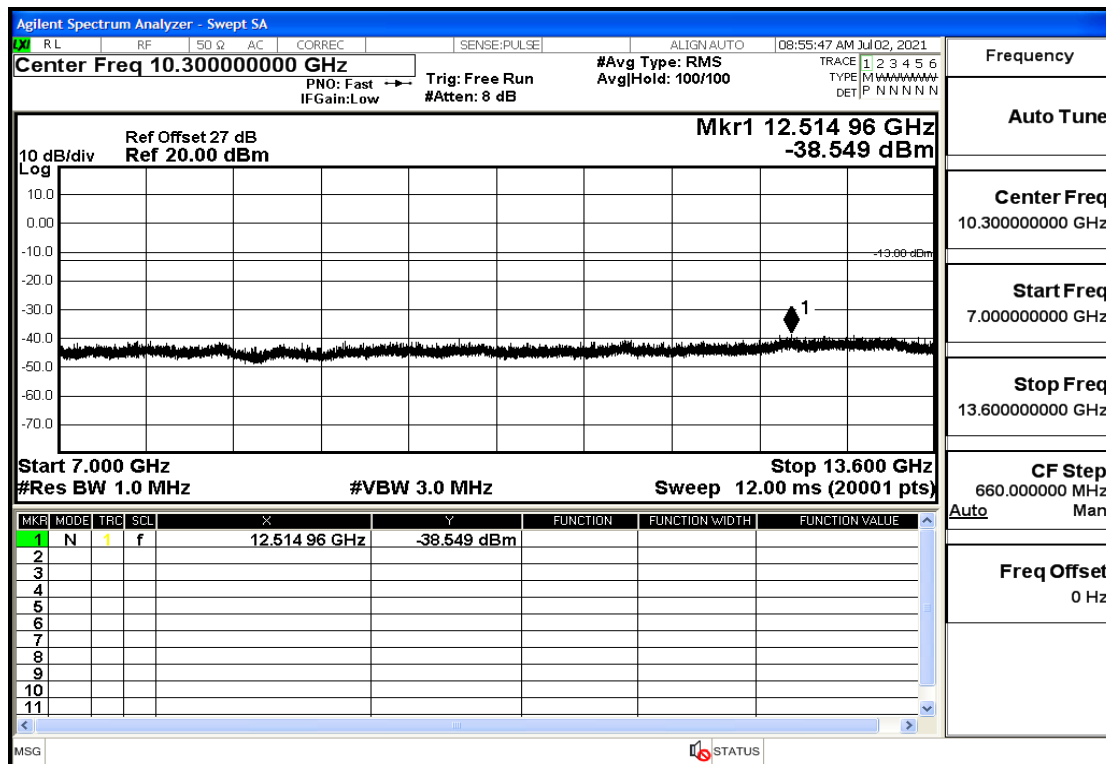
OB4-3-1732.5-QPSK-1#HIGH@30mHz-1GHz@Pass



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

