

RF Test Data for LTE (Conducted Measurement)

Product Name: SMART PHONE

Trade Mark: IPRO

Test Model: S601

FCC ID: PQ4IPROS601

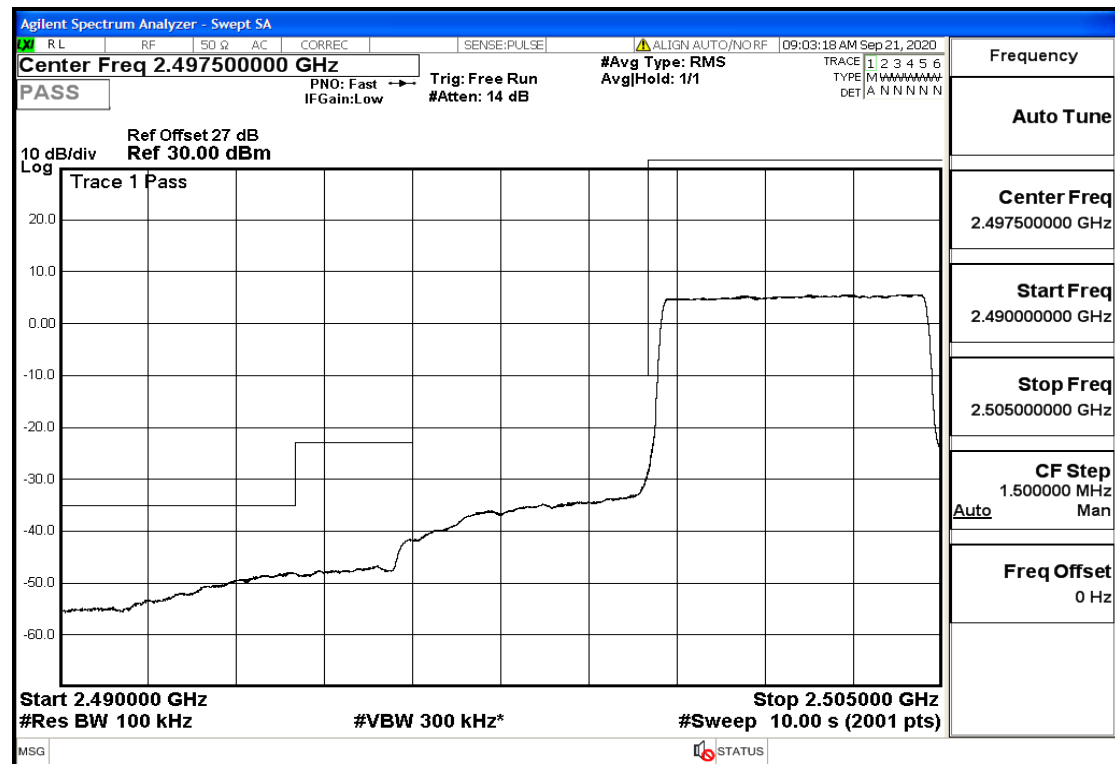
Environmental Conditions

Temperature:	22.8°C
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	For Band 7

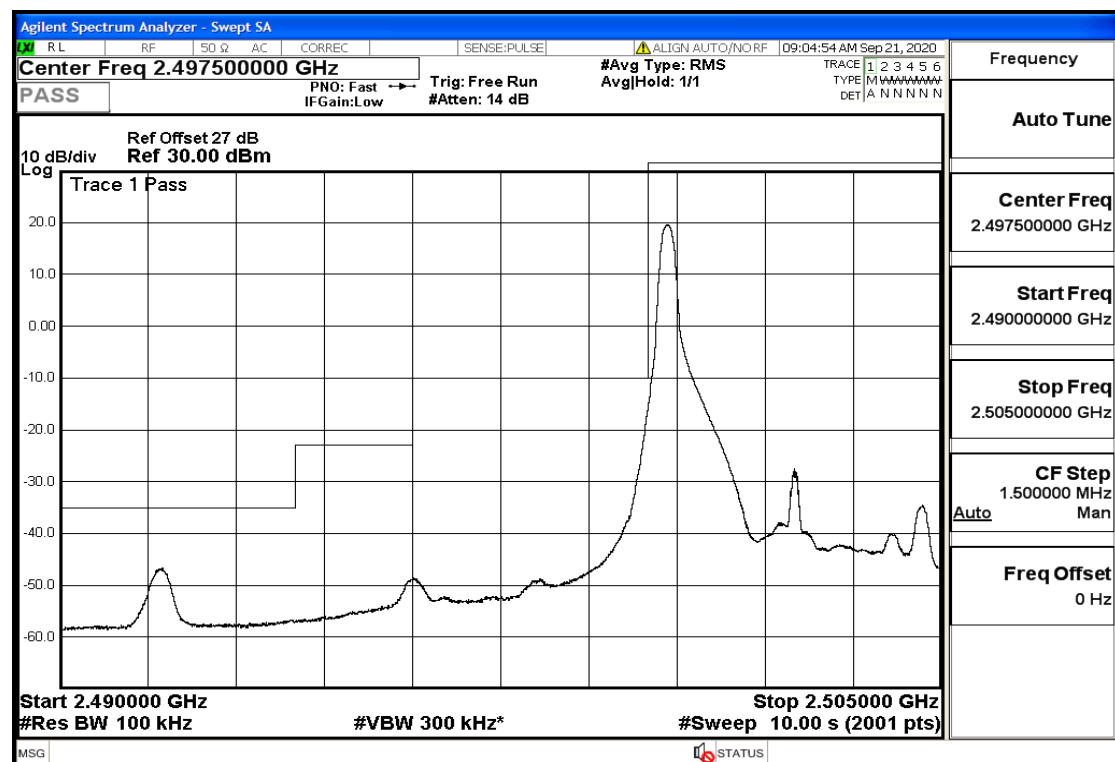
Band Edge and Emission Mask

Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Conclusion
Band7	5	2502.5	QPSK	25	LOW	Pass
Band7	5	2502.5	QPSK	1	LOW	Pass
Band7	5	2502.5	16QAM	25	LOW	Pass
Band7	5	2502.5	16QAM	1	LOW	Pass
Band7	5	2567.5	QPSK	25	LOW	Pass
Band7	5	2567.5	QPSK	1	HIGH	Pass
Band7	5	2567.5	16QAM	25	LOW	Pass
Band7	5	2567.5	16QAM	1	HIGH	Pass
Band7	10	2505	QPSK	50	LOW	Pass
Band7	10	2505	QPSK	1	LOW	Pass
Band7	10	2505	16QAM	50	LOW	Pass
Band7	10	2505	16QAM	1	LOW	Pass
Band7	10	2565	QPSK	50	LOW	Pass
Band7	10	2565	QPSK	1	HIGH	Pass
Band7	10	2565	16QAM	50	LOW	Pass
Band7	10	2565	16QAM	1	HIGH	Pass
Band7	15	2507.5	QPSK	75	LOW	Pass
Band7	15	2507.5	QPSK	1	LOW	Pass
Band7	15	2507.5	16QAM	75	LOW	Pass
Band7	15	2507.5	16QAM	1	LOW	Pass
Band7	15	2562.5	QPSK	75	LOW	Pass
Band7	15	2562.5	QPSK	1	HIGH	Pass
Band7	15	2562.5	16QAM	75	LOW	Pass
Band7	15	2562.5	16QAM	1	HIGH	Pass
Band7	20	2510	QPSK	100	LOW	Pass
Band7	20	2510	QPSK	1	LOW	Pass
Band7	20	2510	16QAM	100	LOW	Pass
Band7	20	2510	16QAM	1	LOW	Pass
Band7	20	2560	QPSK	100	LOW	Pass
Band7	20	2560	QPSK	1	HIGH	Pass
Band7	20	2560	16QAM	100	LOW	Pass
Band7	20	2560	16QAM	1	HIGH	Pass

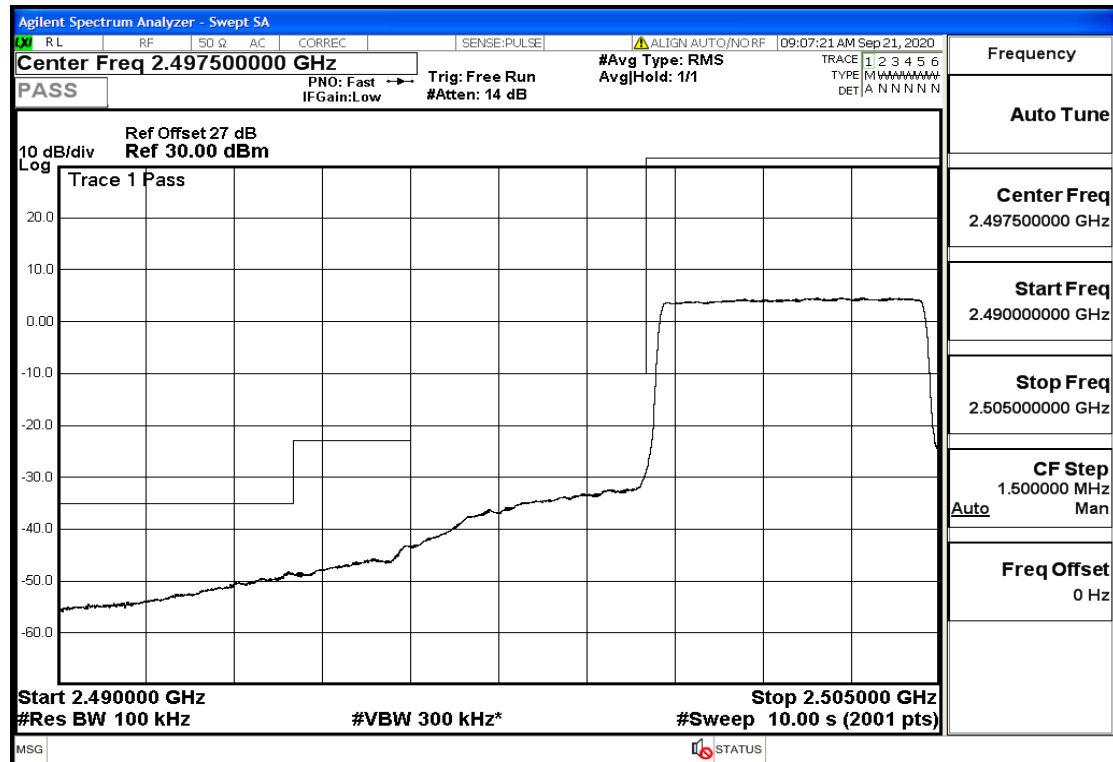
Band7-5-2502.5-QPSK-25#LOW@Pass



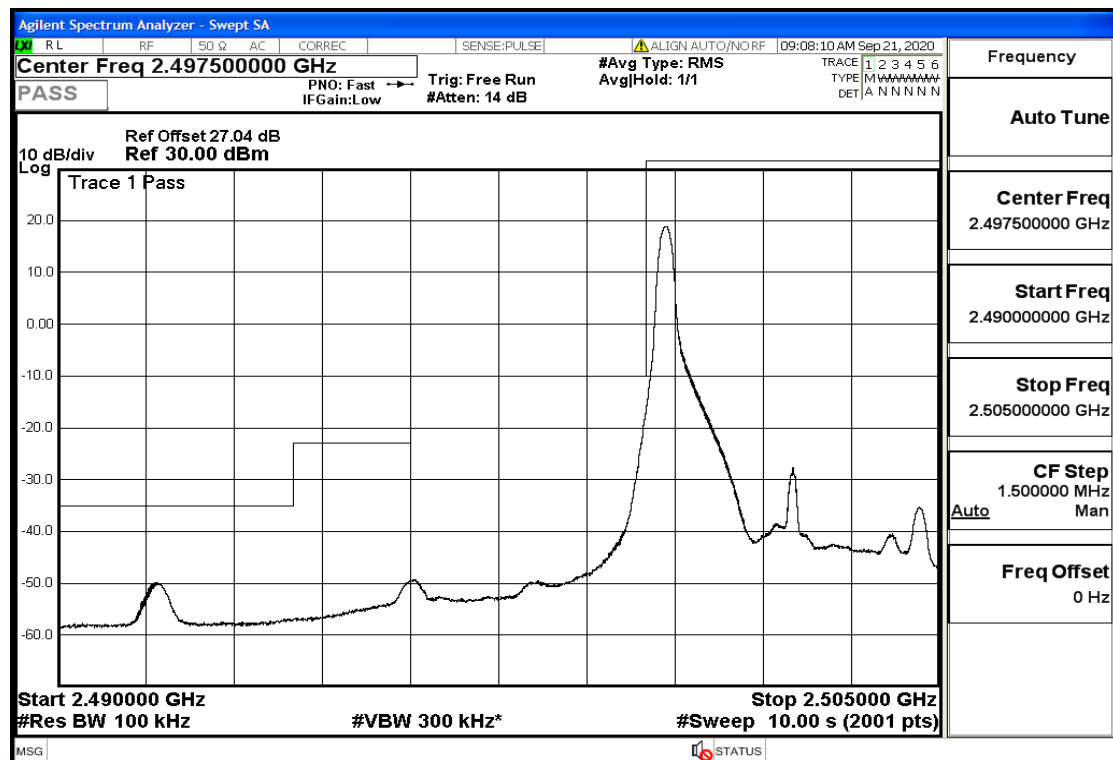
Band7-5-2502.5-QPSK-1#LOW@Pass



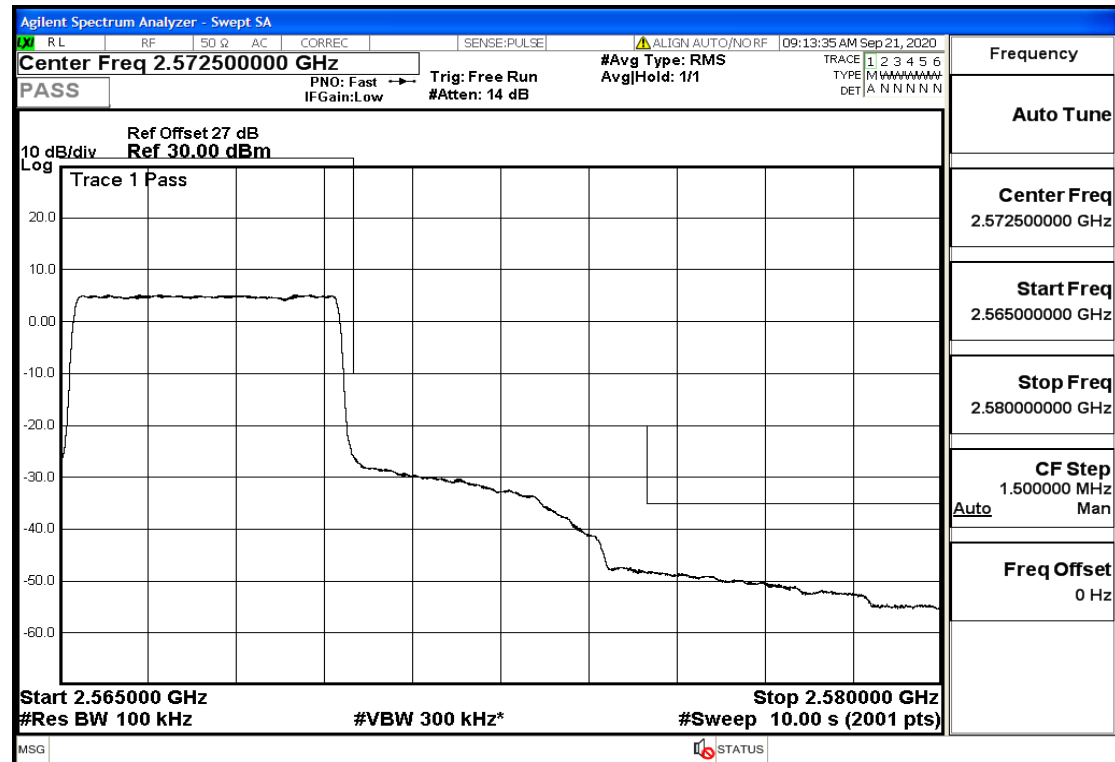
Band7-5-2502.5-16QAM-25#LOW@Pass



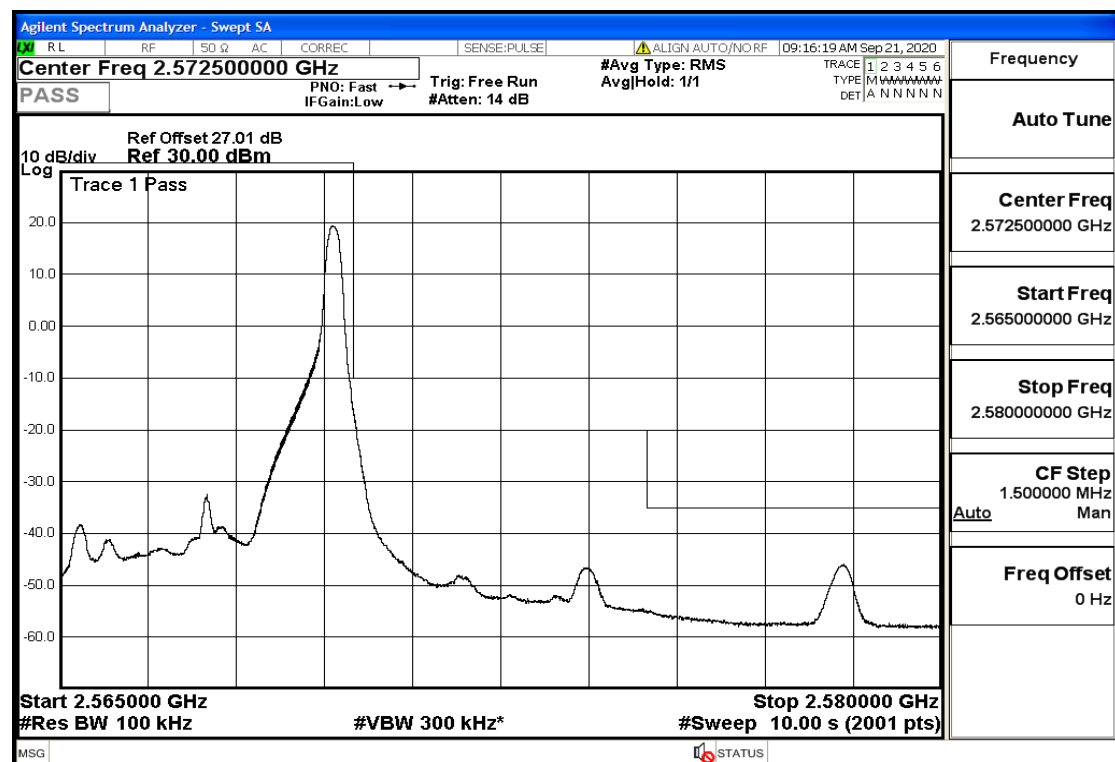
Band7-5-2502.5-16QAM-1#LOW@Pass



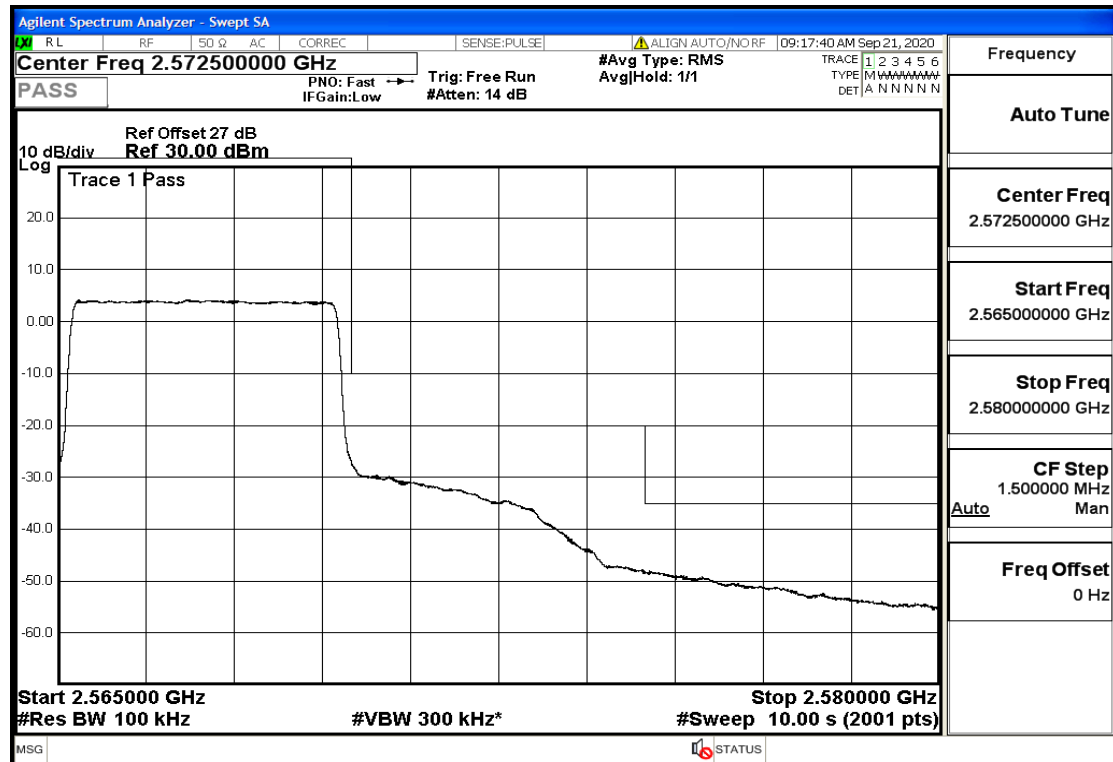
Band7-5-2567.5-QPSK-25#LOW@Pass



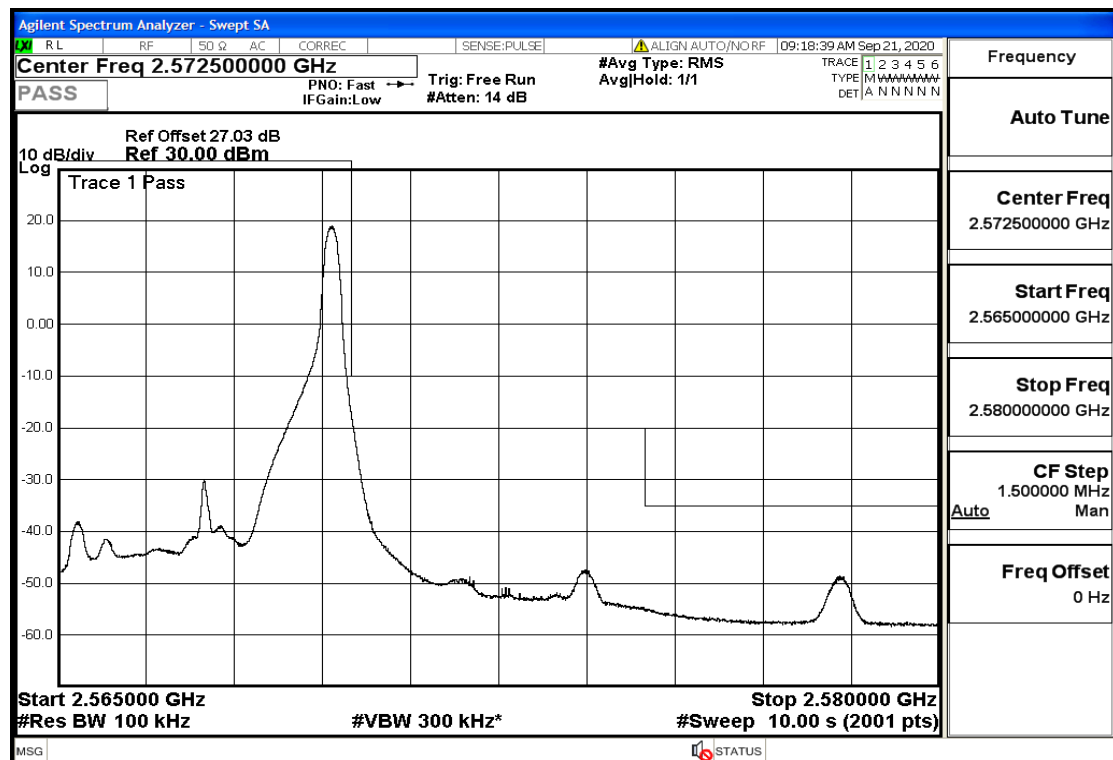
Band7-5-2567.5-QPSK-1#HIGH@Pass



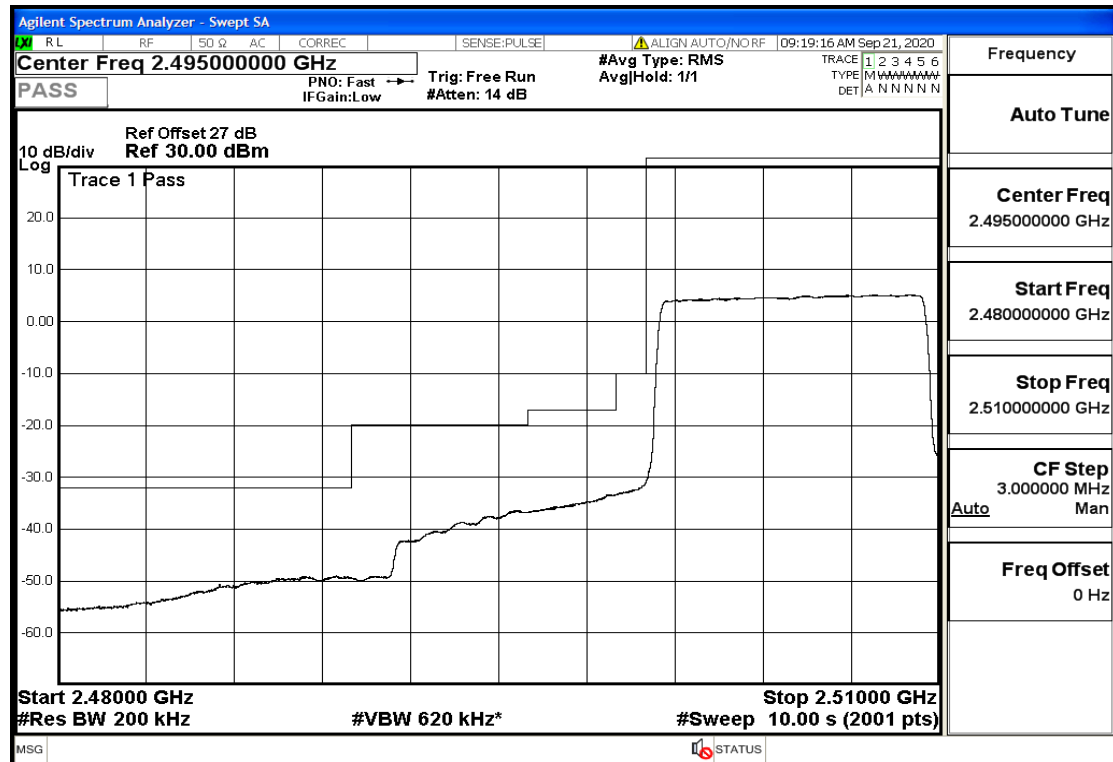
Band7-5-2567.5-16QAM-25#LOW@Pass



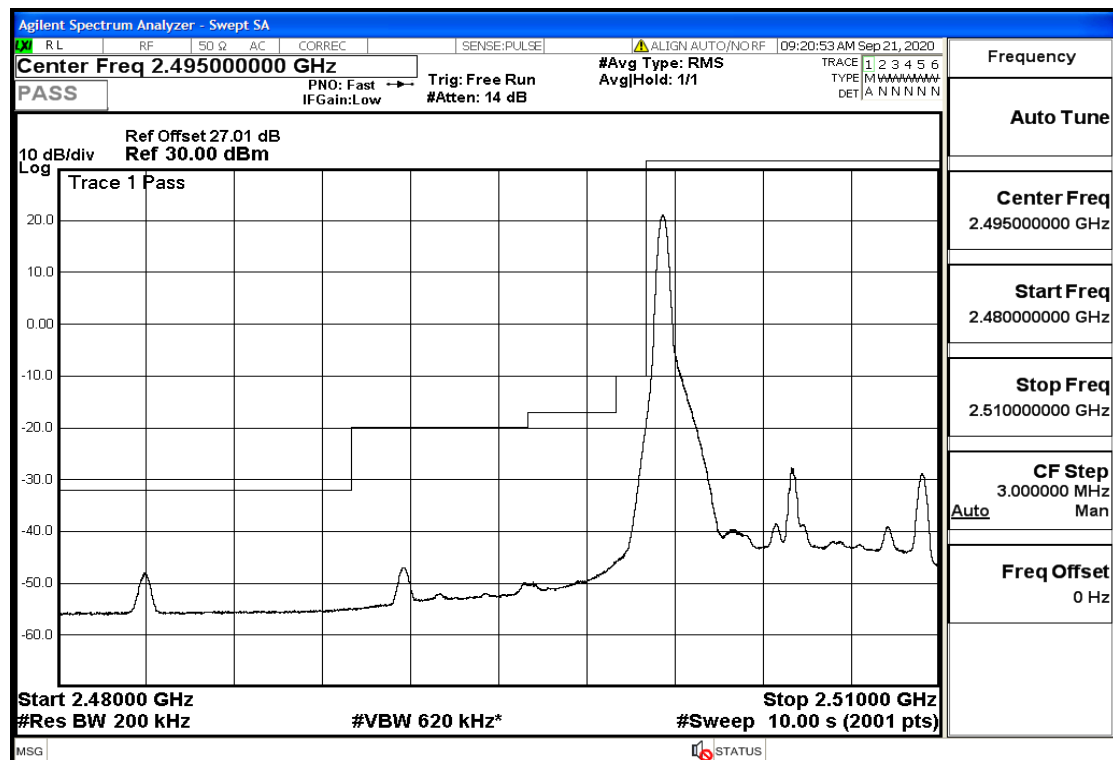
Band7-5-2567.5-16QAM-1#HIGH@Pass



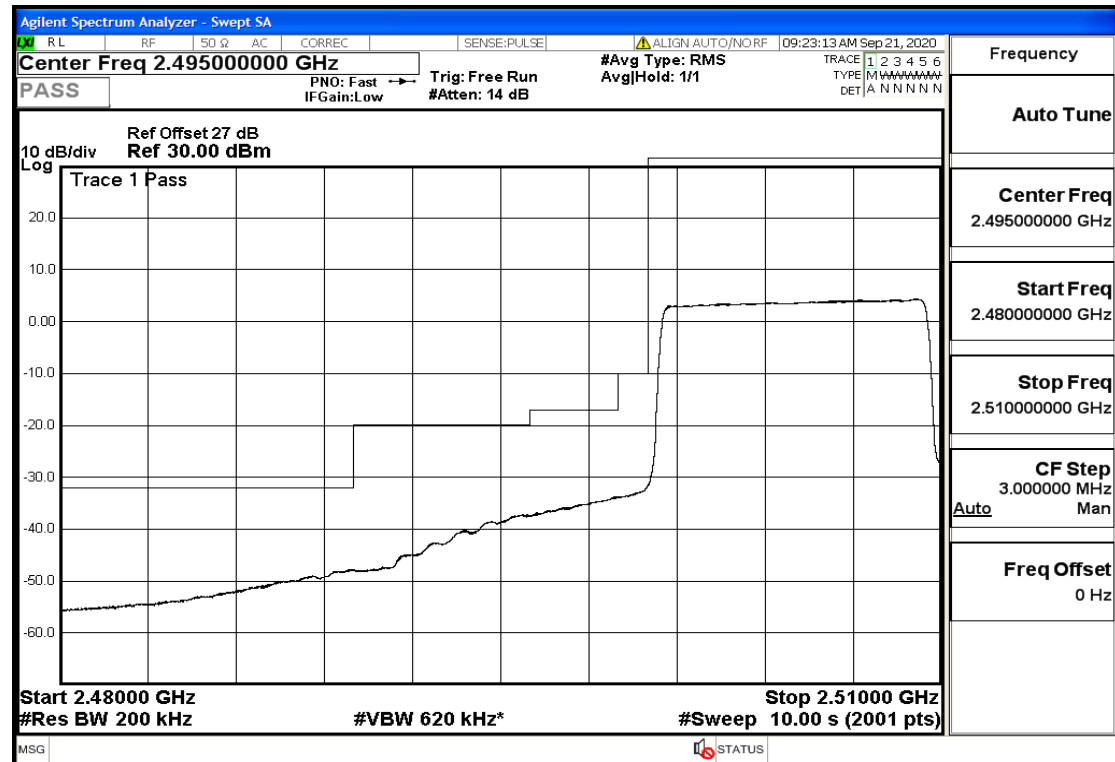
Band7-10-2505-QPSK-50#LOW@Pass



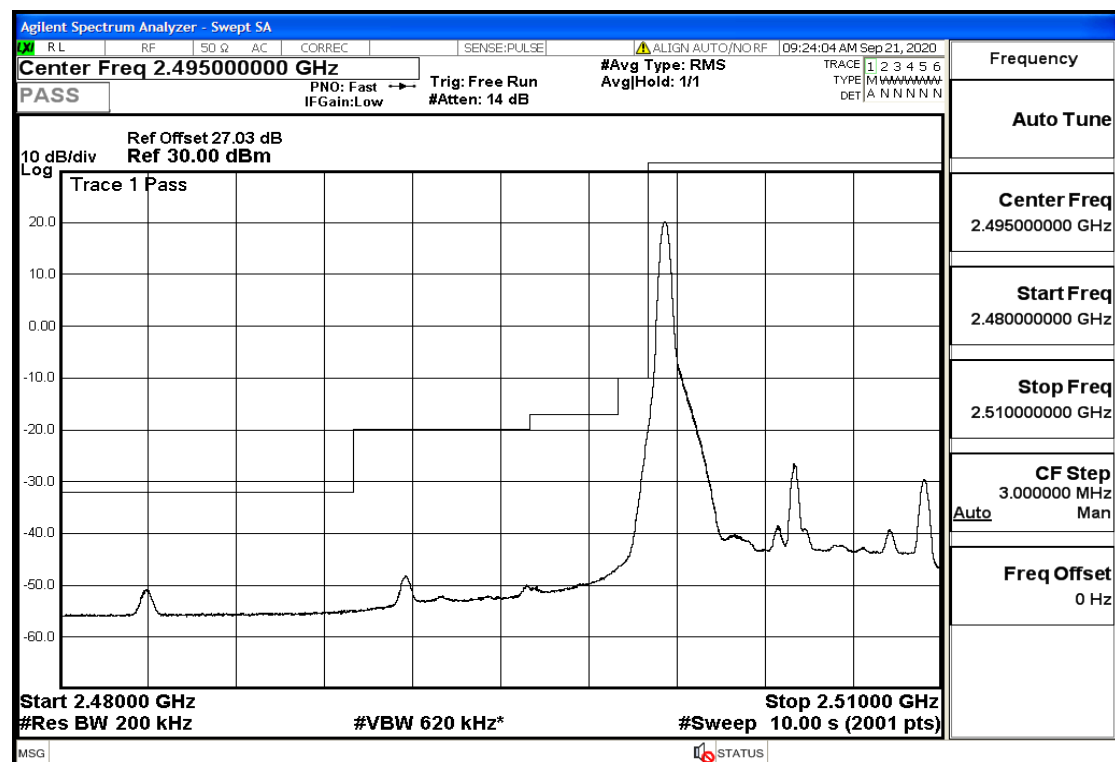
Band7-10-2505-QPSK-1#LOW@Pass



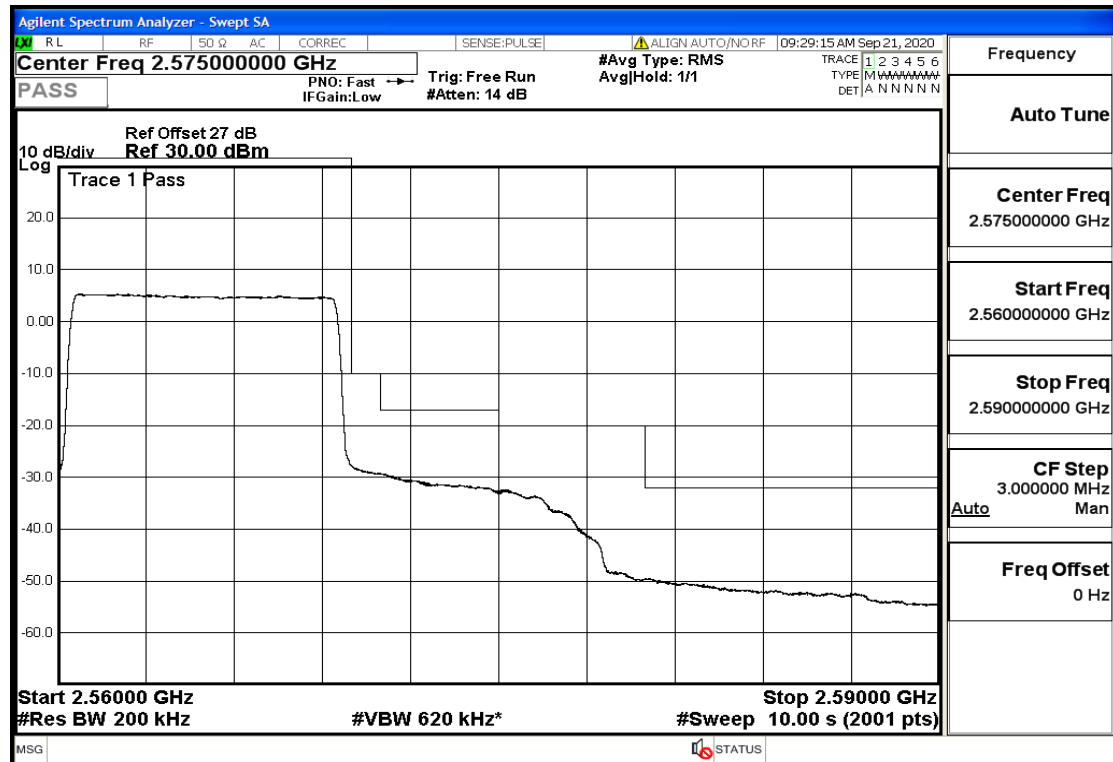
Band7-10-2505-16QAM-50#LOW@Pass



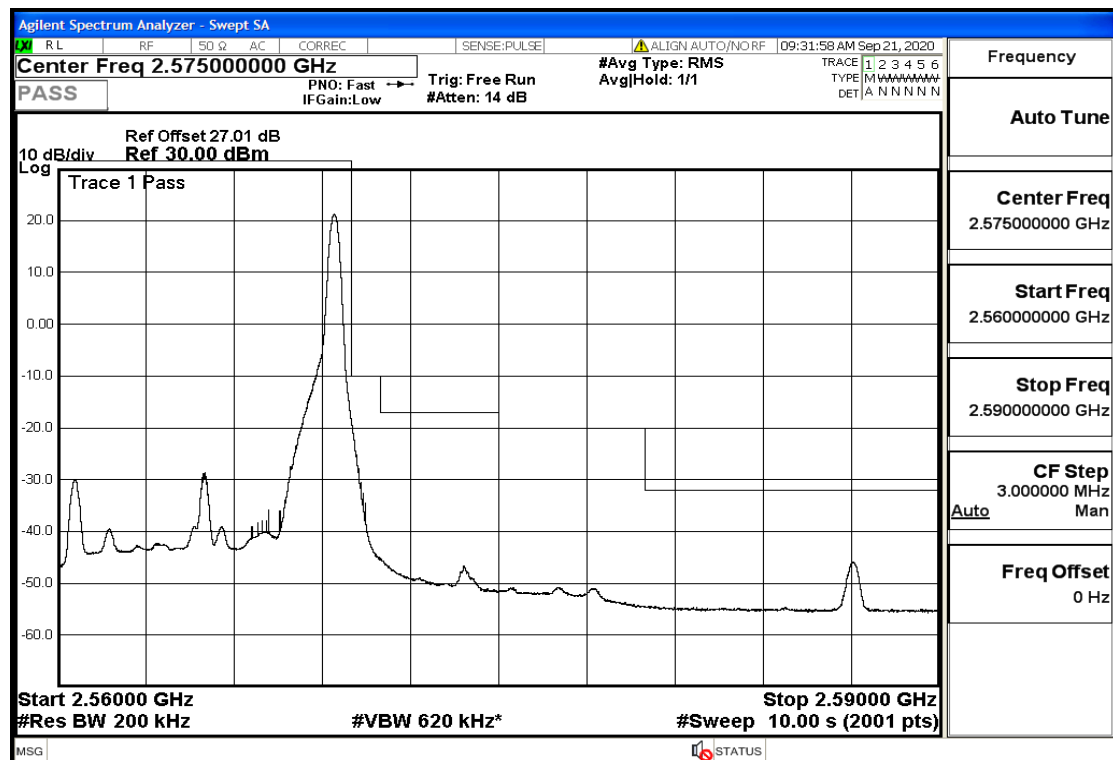
Band7-10-2505-16QAM-1#LOW@Pass



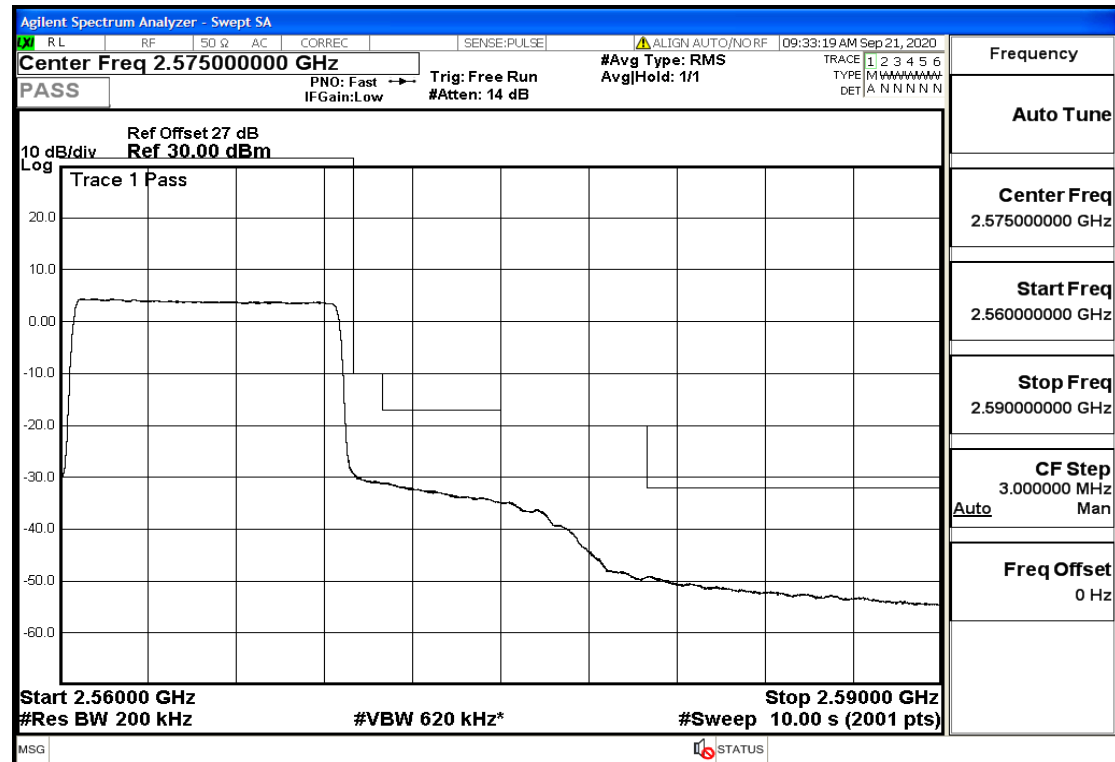
Band7-10-2565-QPSK-50#LOW@Pass



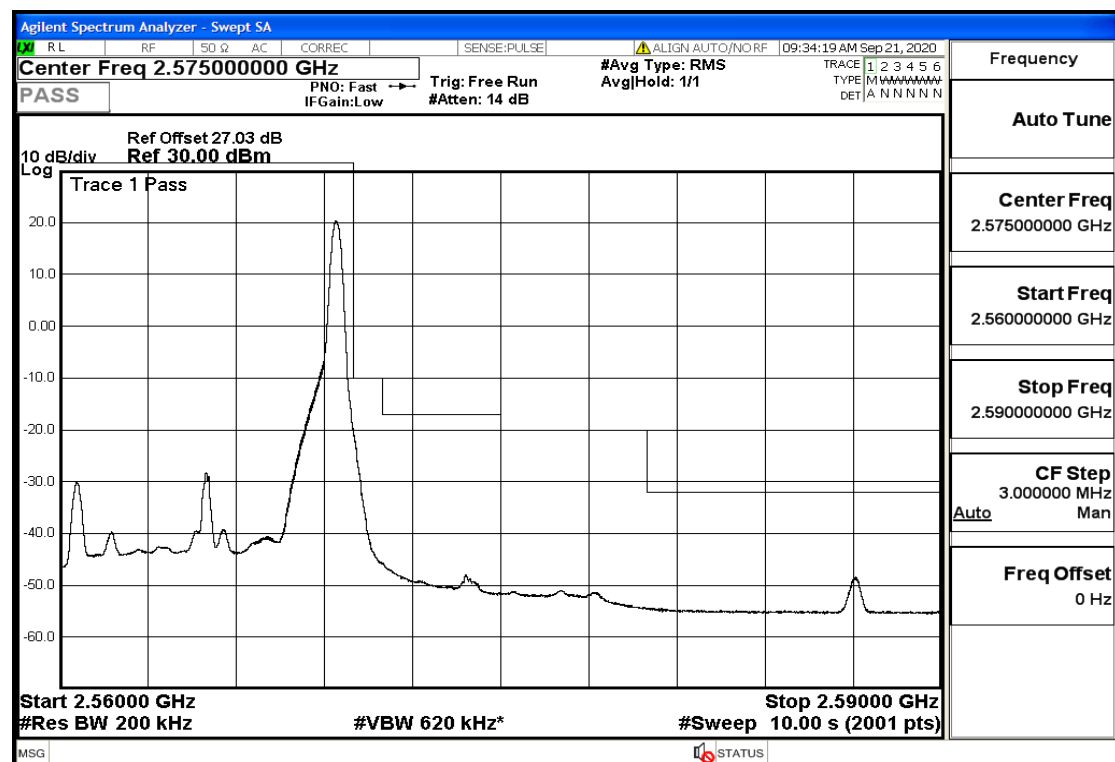
Band7-10-2565-QPSK-1#HIGH@Pass



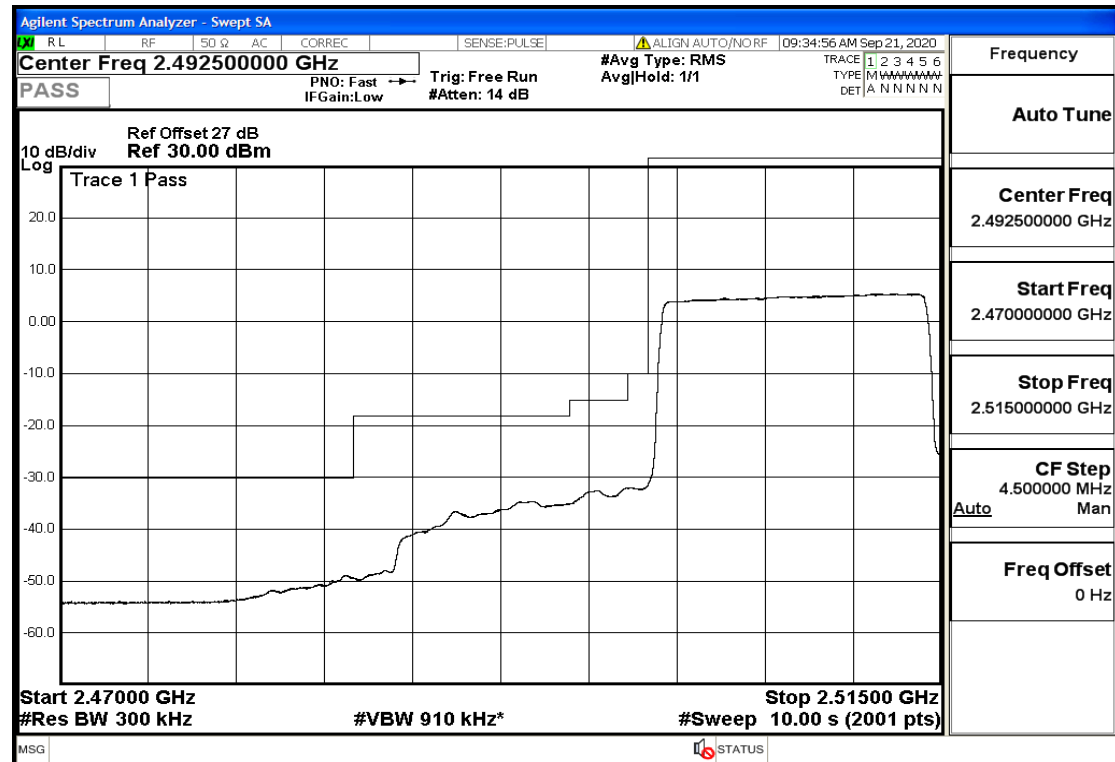
Band7-10-2565-16QAM-50#LOW@Pass



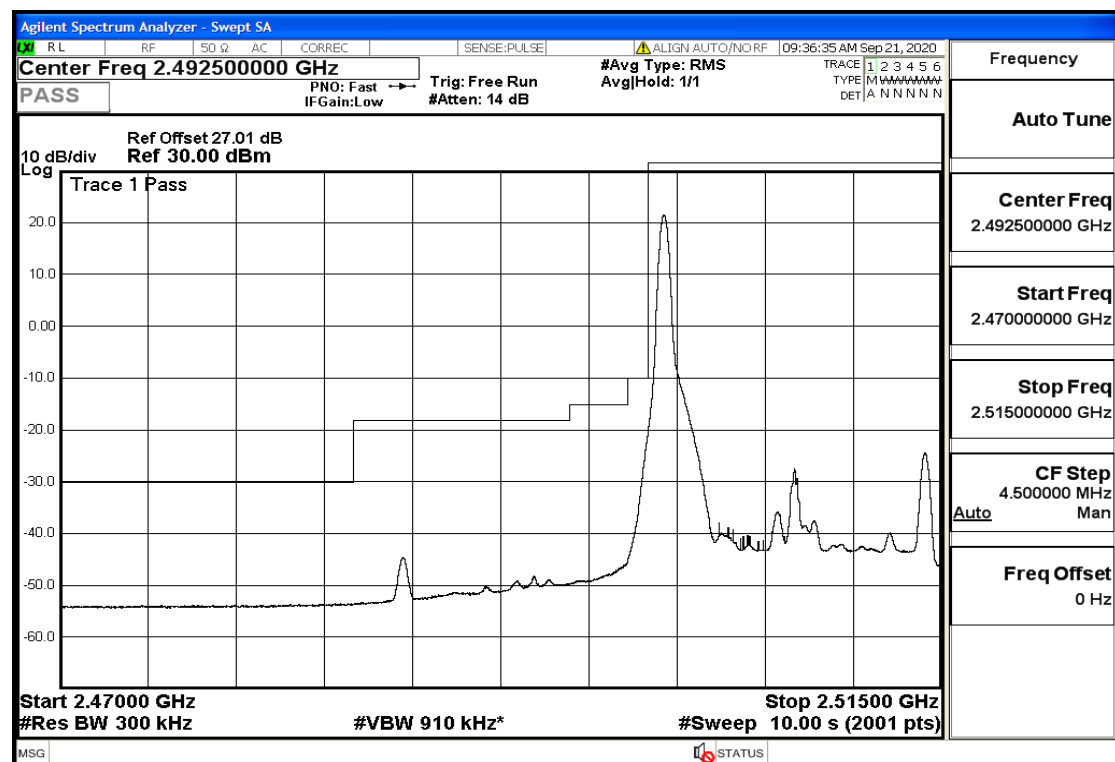
Band7-10-2565-16QAM-1#HIGH@Pass



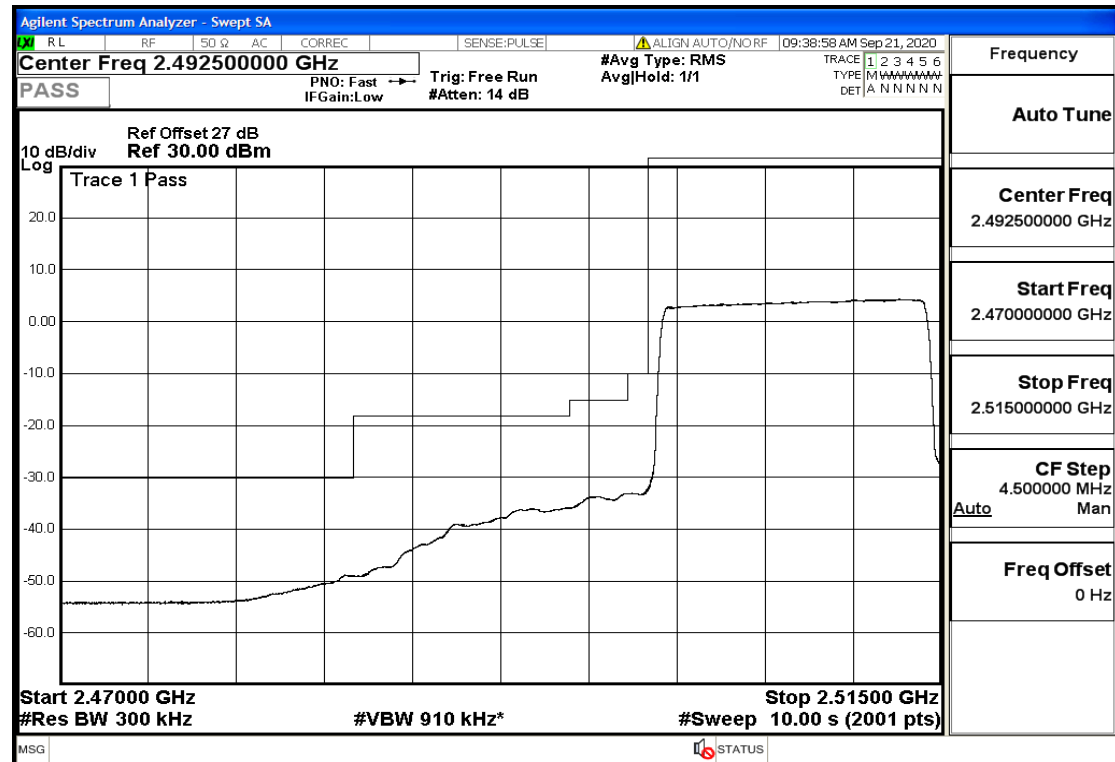
Band7-15-2507.5-QPSK-75#LOW@Pass



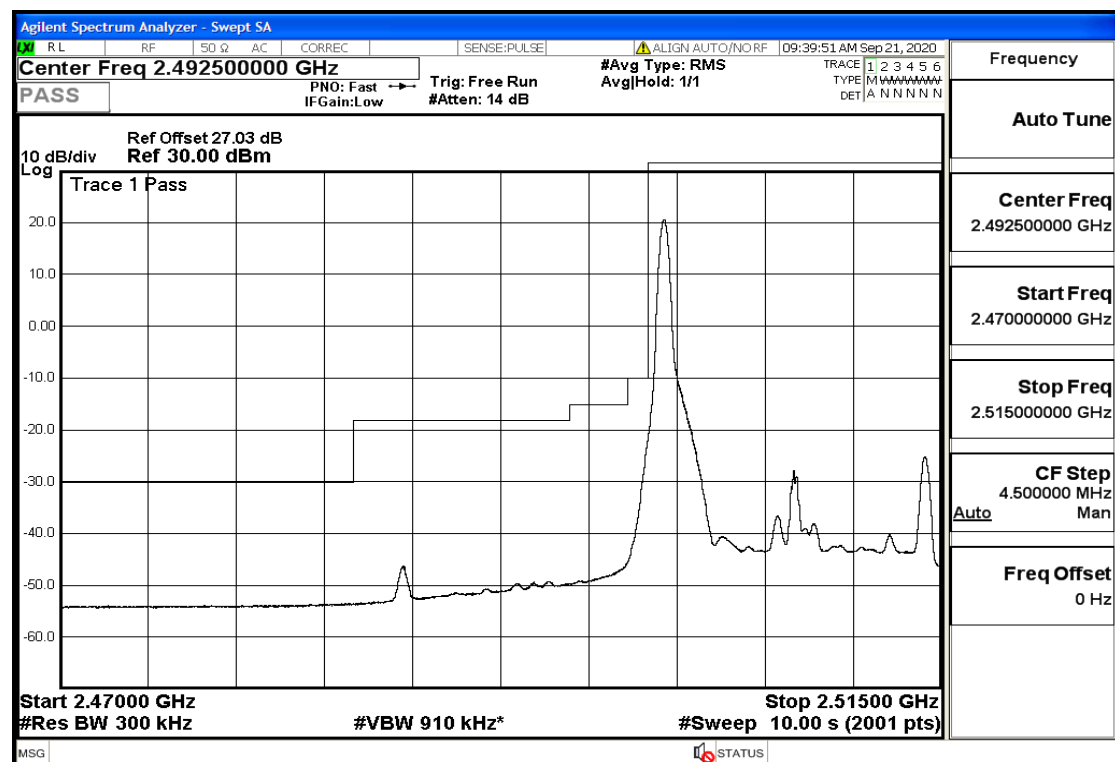
Band7-15-2507.5-QPSK-1#LOW@Pass



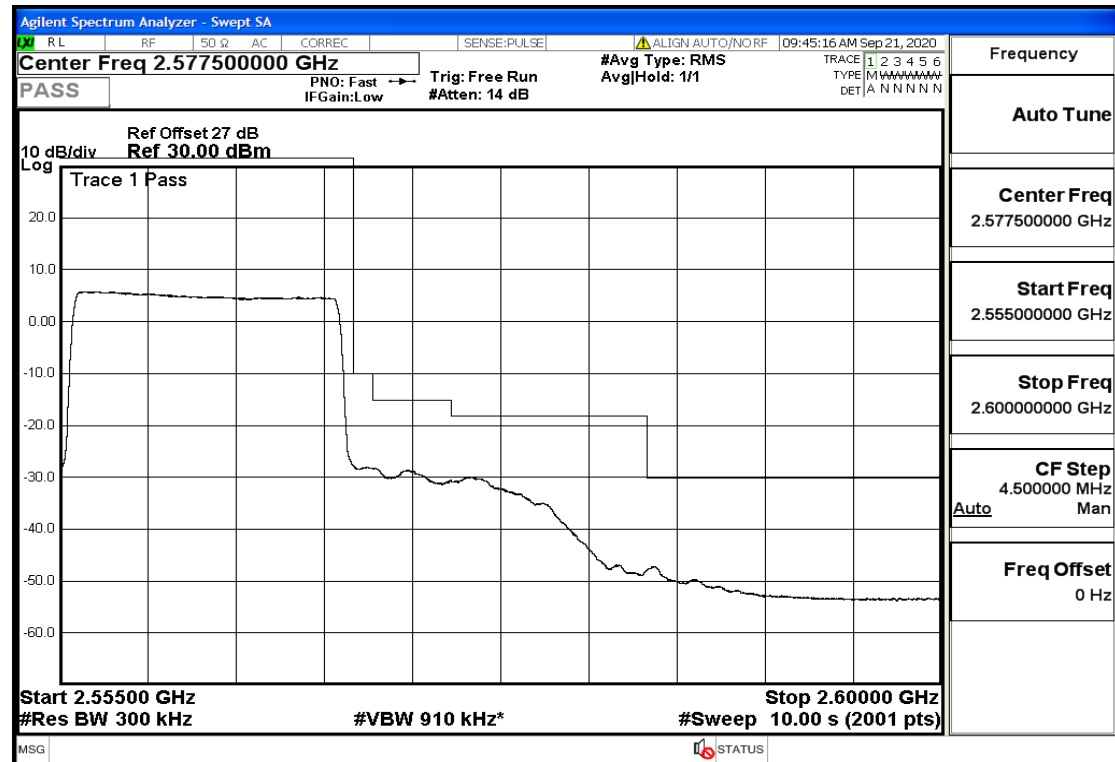
Band7-15-2507.5-16QAM-75#LOW@Pass



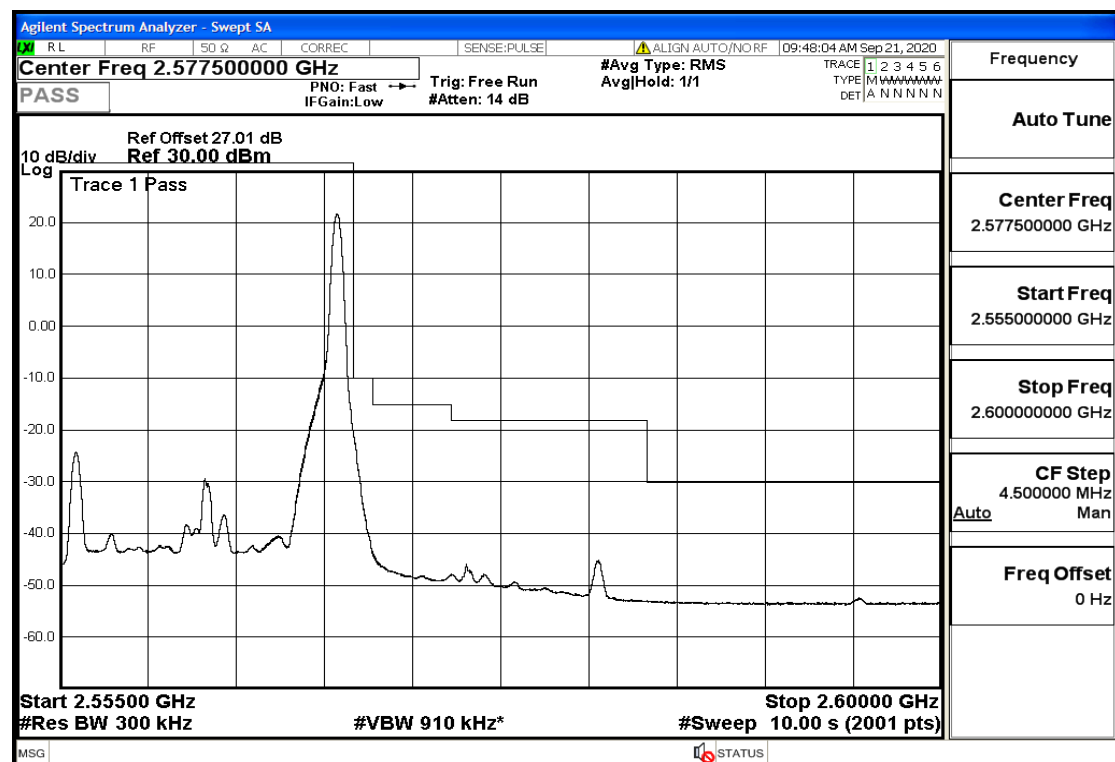
Band7-15-2507.5-16QAM-1#LOW@Pass



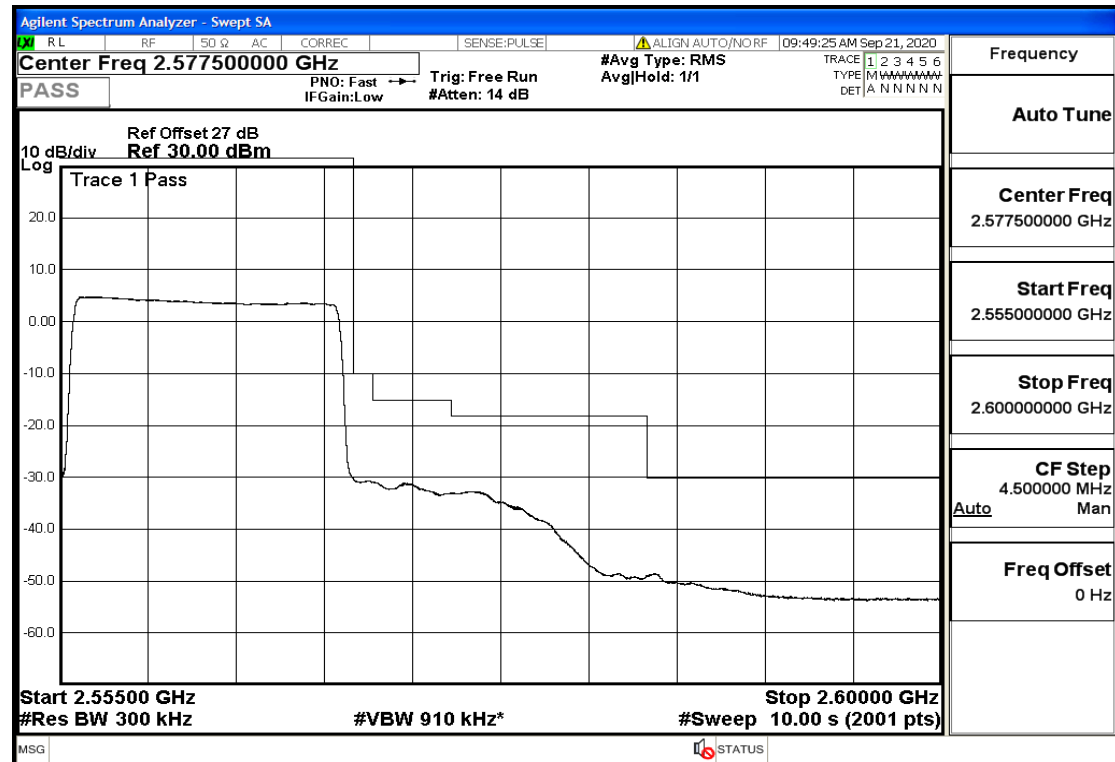
Band7-15-2562.5-QPSK-75#LOW@Pass



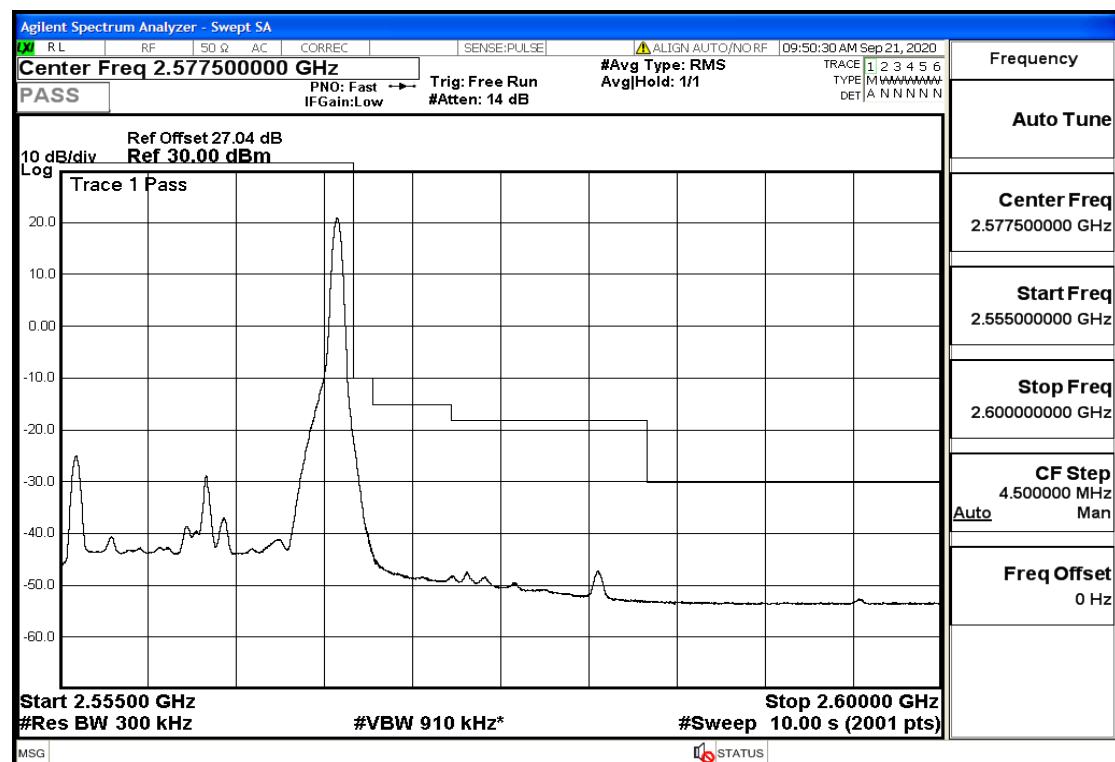
Band7-15-2562.5-QPSK-1#HIGH@Pass



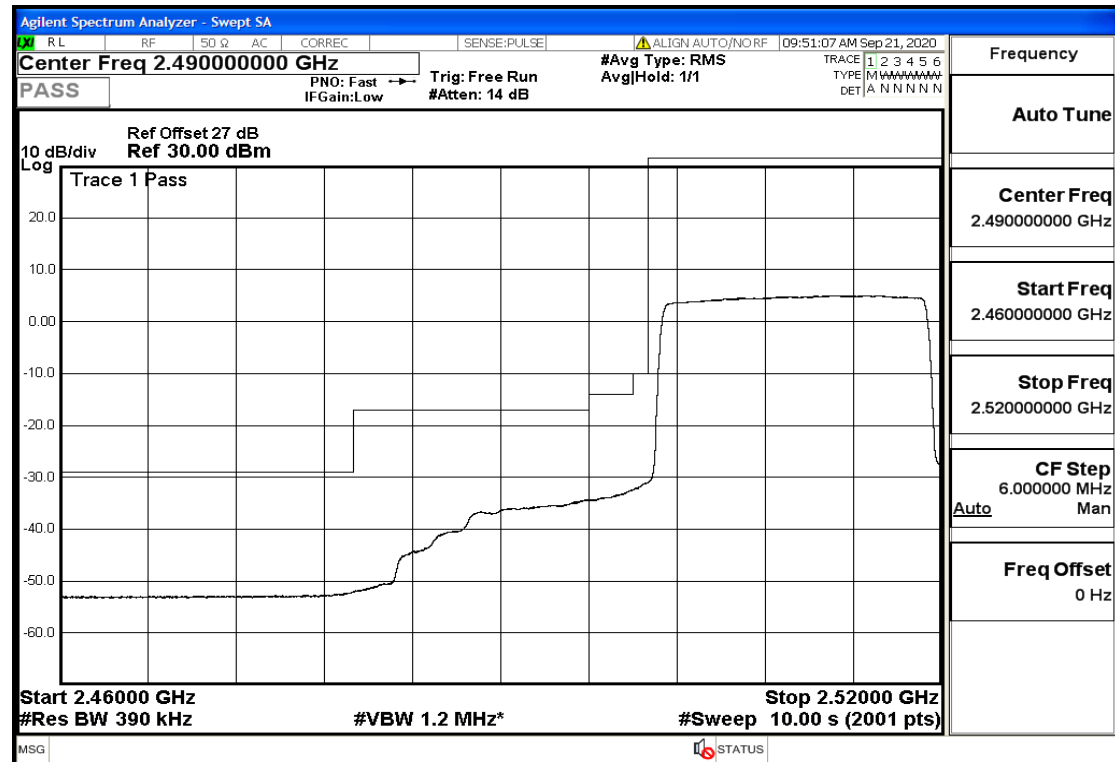
Band7-15-2562.5-16QAM-75#LOW@Pass



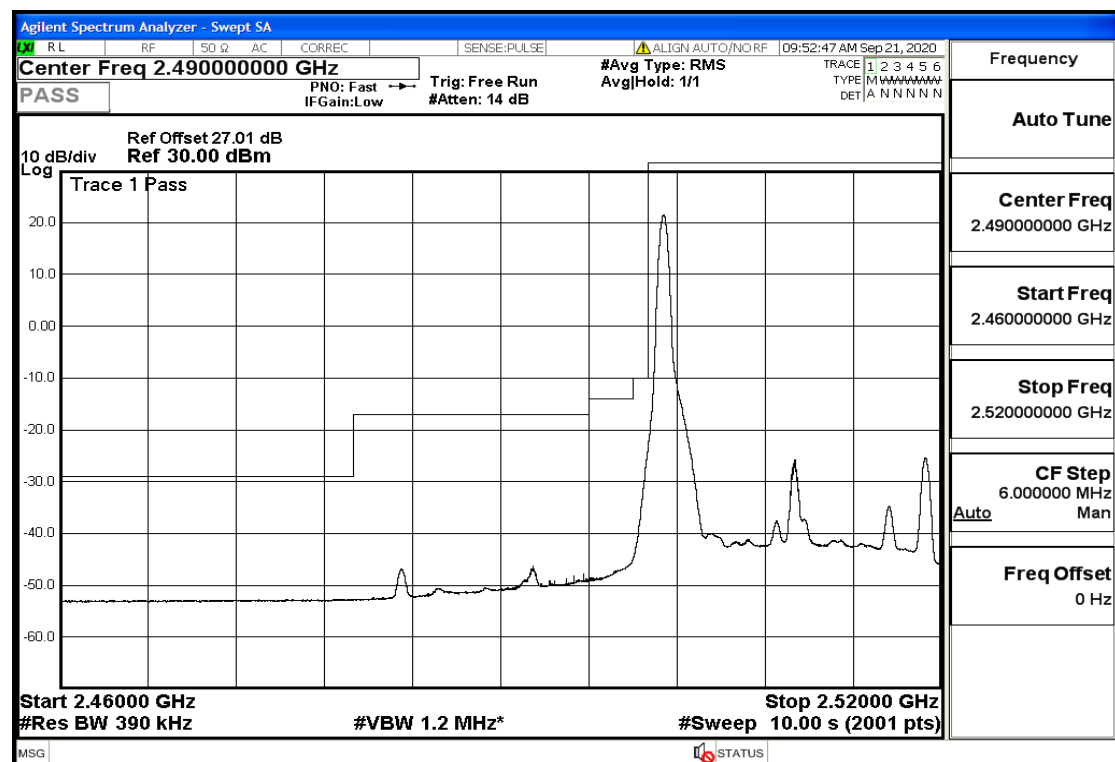
Band7-15-2562.5-16QAM-1#HIGH@Pass



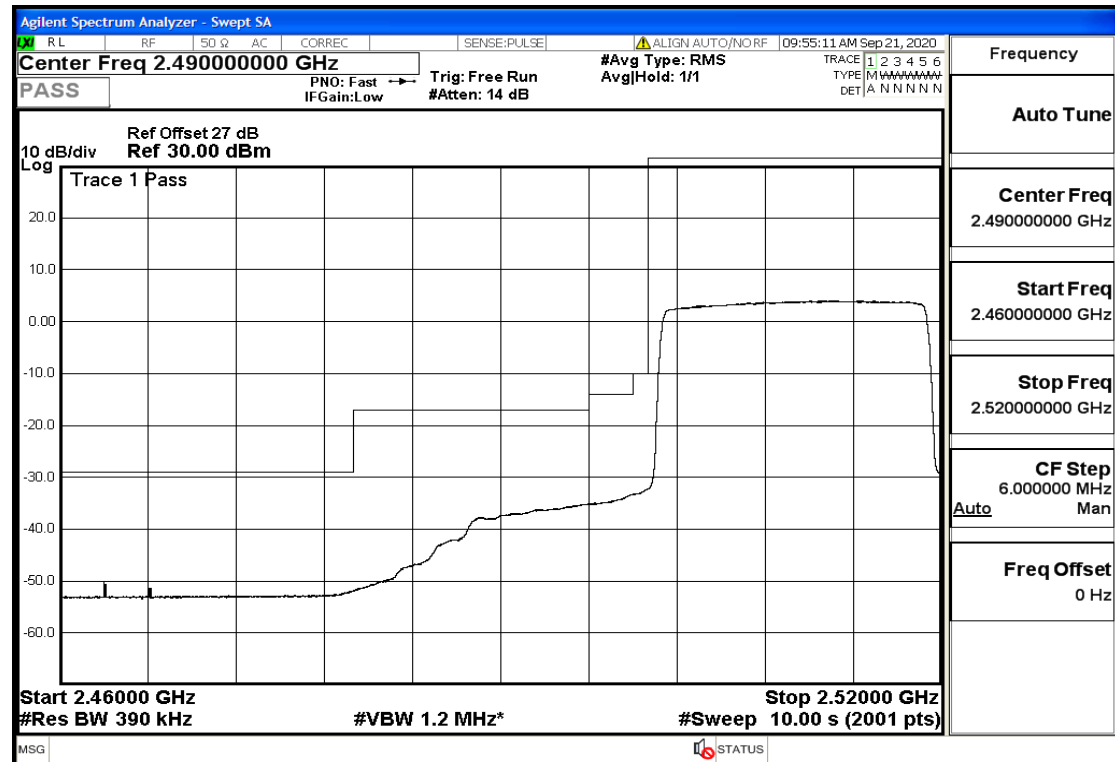
Band7-20-2510-QPSK-100#LOW@Pass



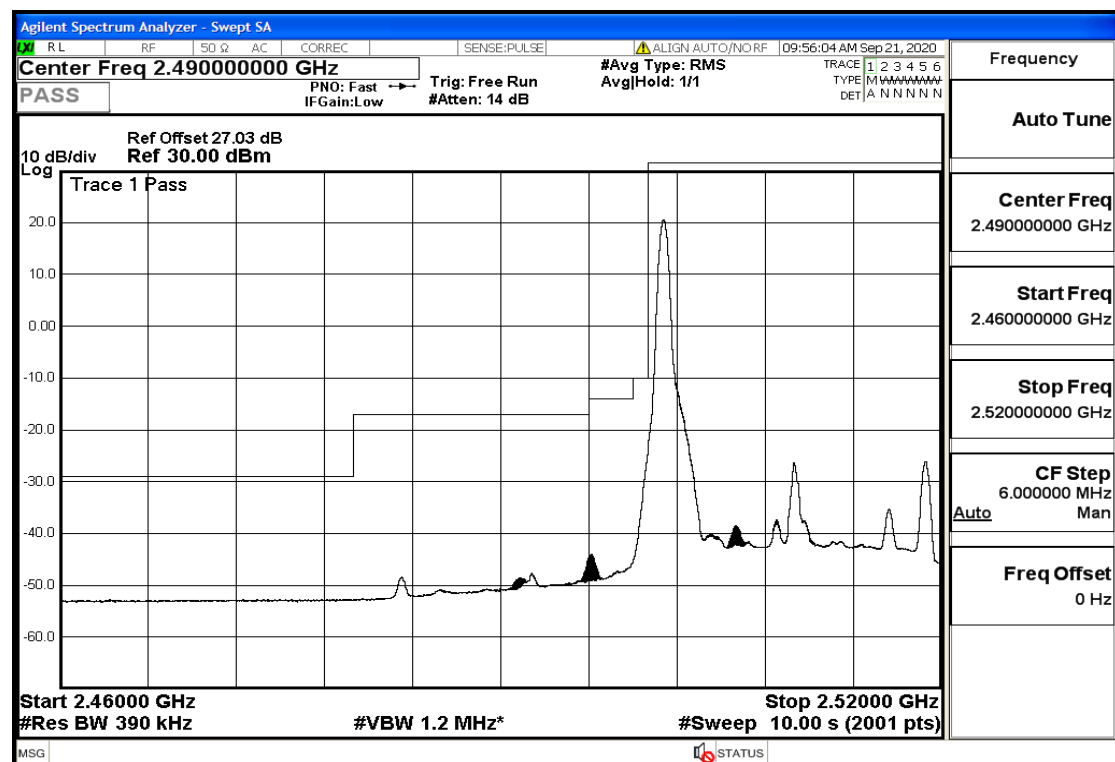
Band7-20-2510-QPSK-1#LOW@Pass



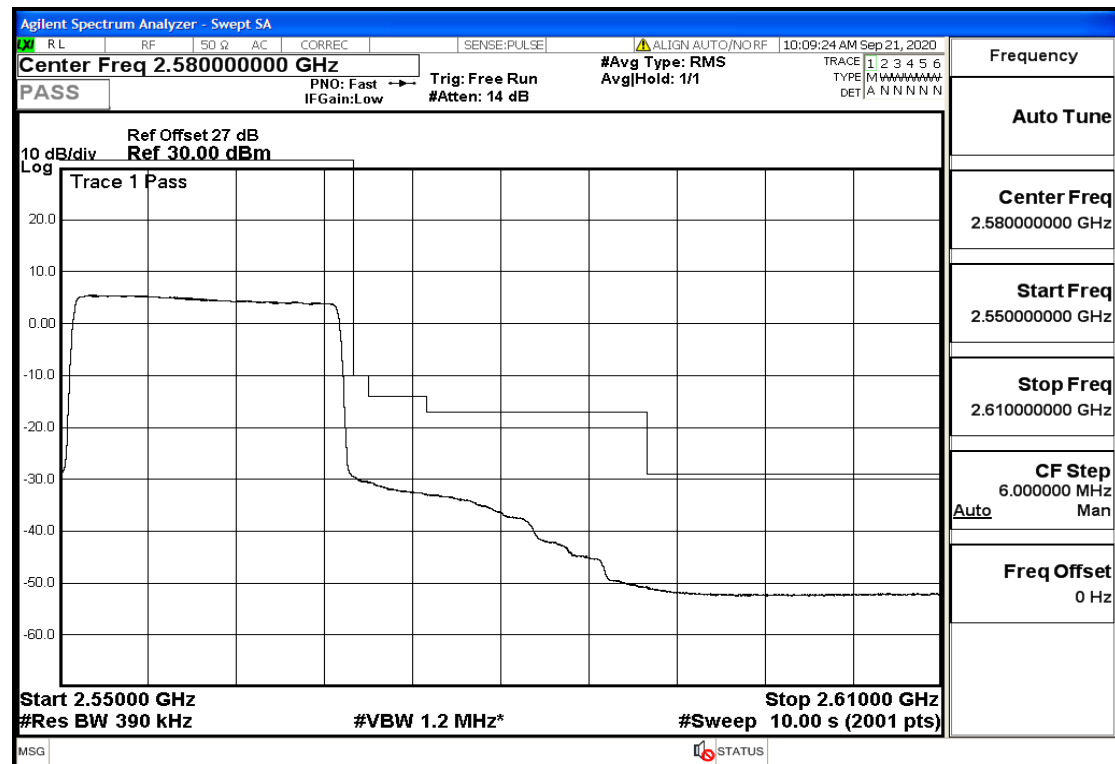
Band7-20-2510-16QAM-100#LOW@Pass



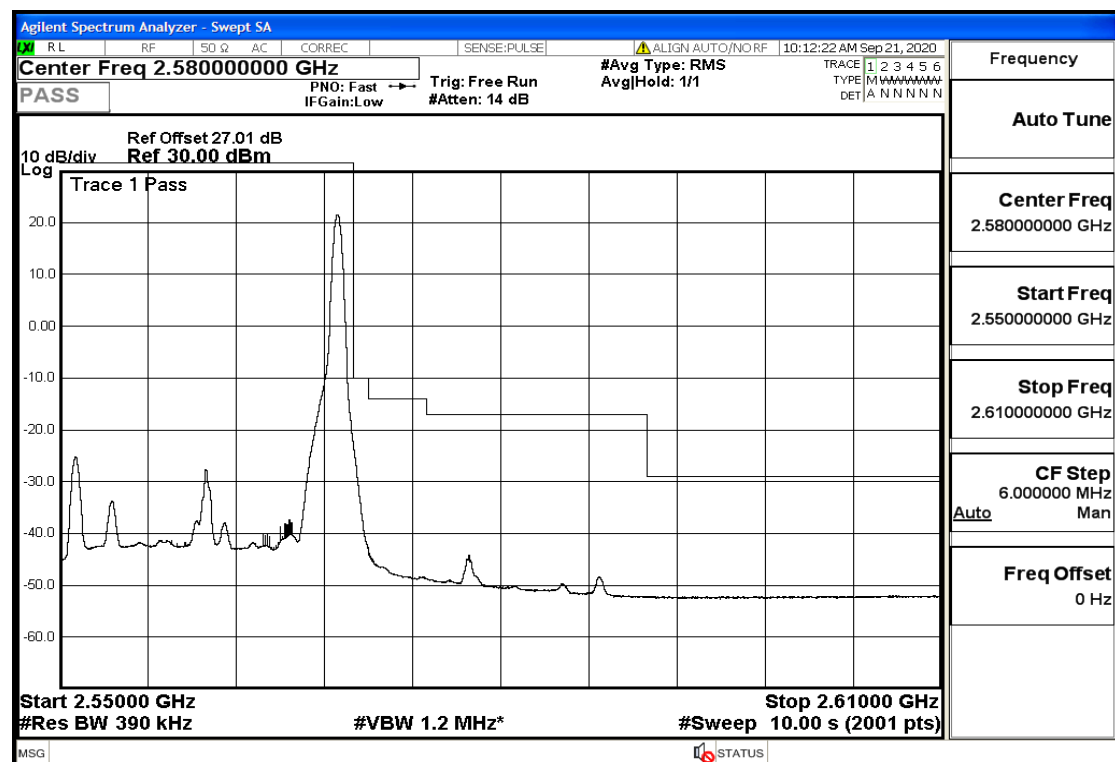
Band7-20-2510-16QAM-1#LOW@Pass



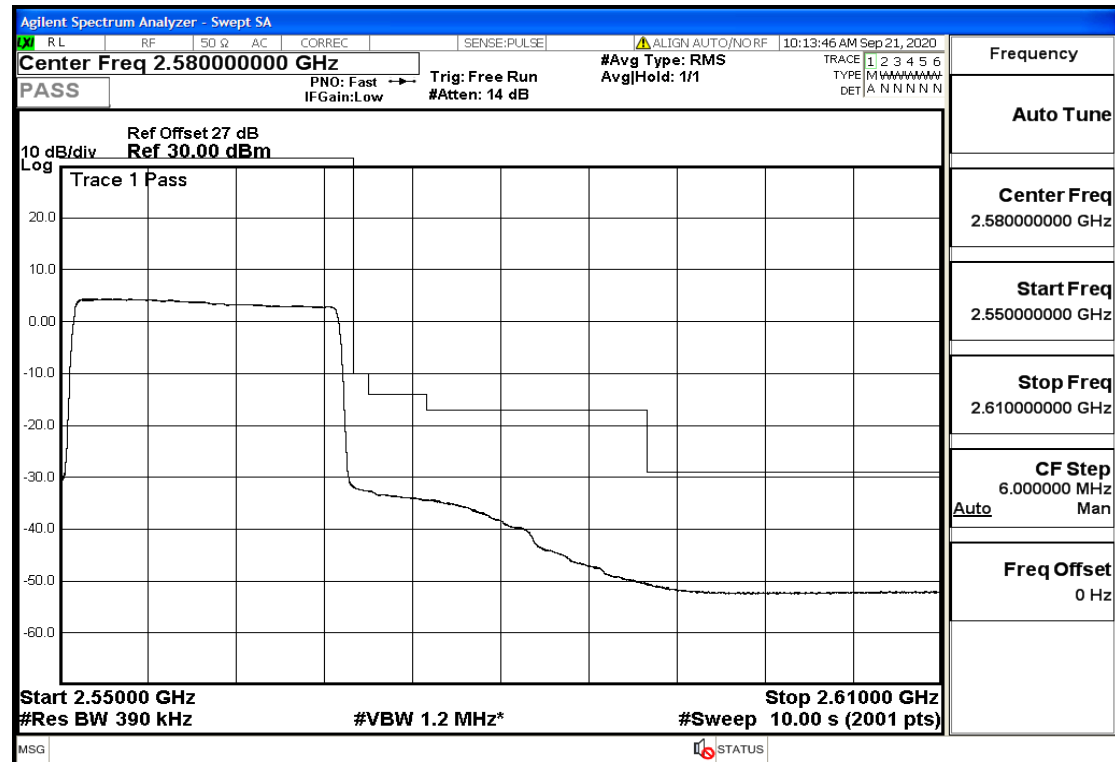
Band7-20-2560-QPSK-100#LOW@Pass



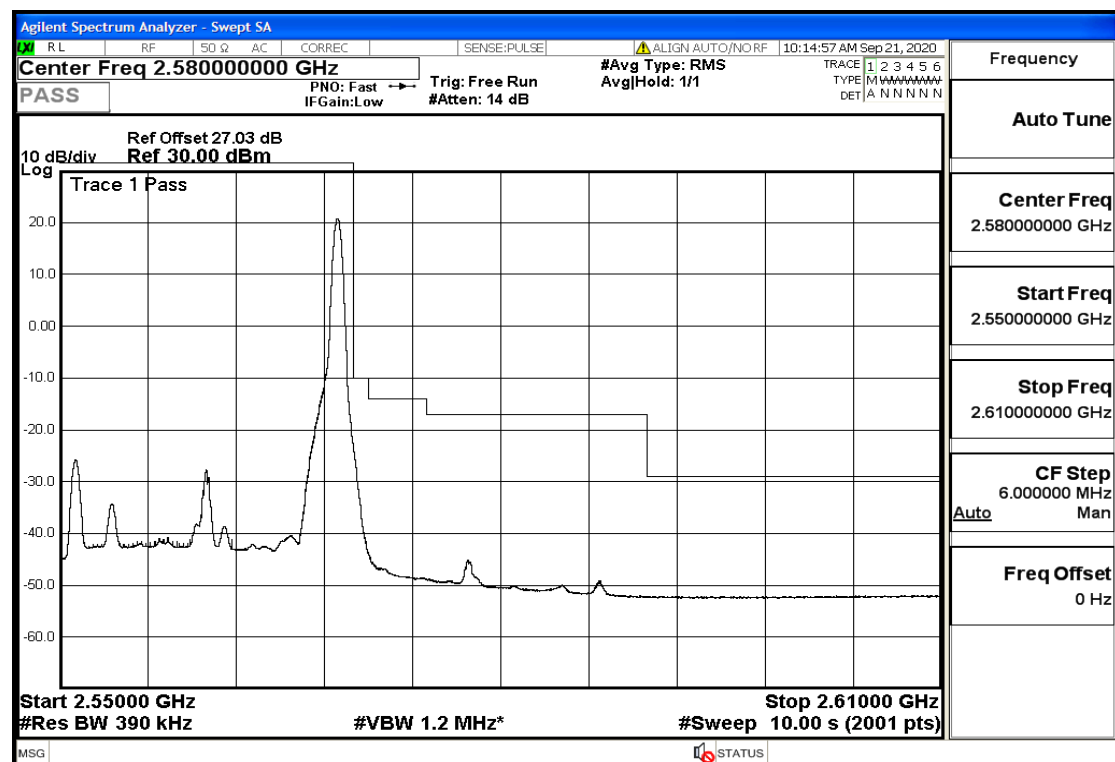
"Band7-20-2560-QPSK-1#HIGH@Pass



"Band7-20-2560-16QAM-100#LOW@Pass



"Band7-20-2560-16QAM-1#HIGH@Pass



Conducted Spurious Emission

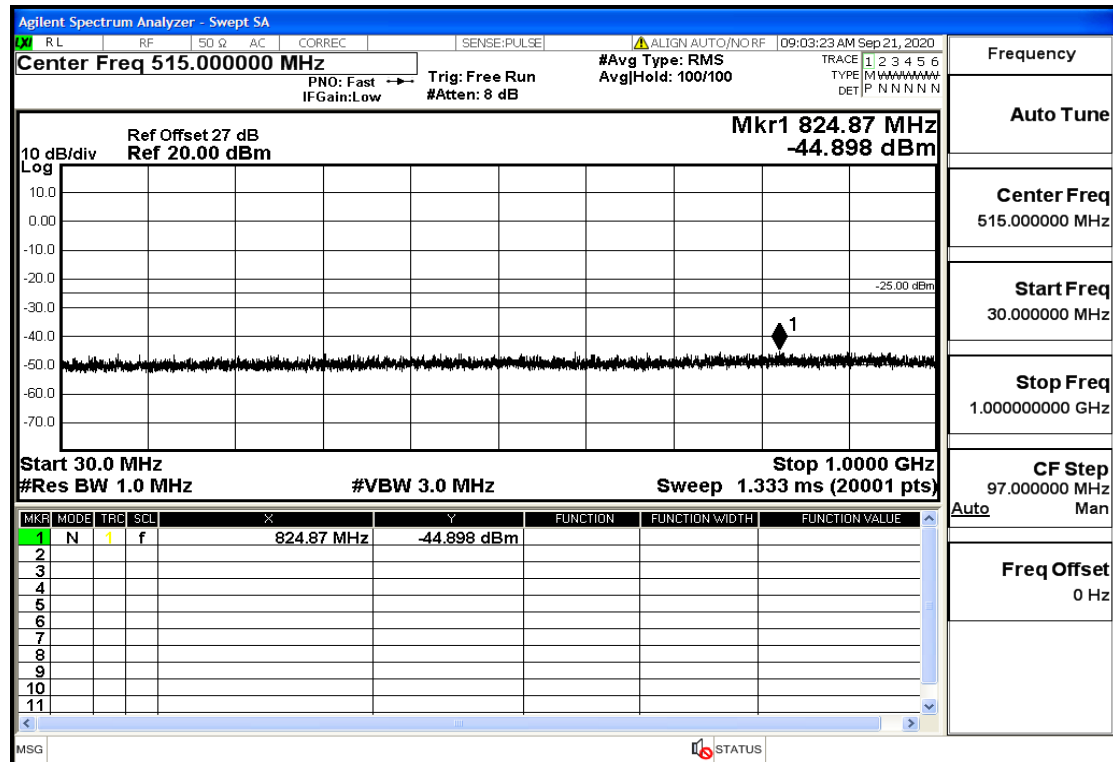
Band	Bandwidth(MHz)	UL Frequency(MHz)	Modulation	RB Size	RB Offset	Test Condition	Transmitter Spurious Emission(Pass/Fail)
OB7	5	2502.5	QPSK	25	LOW	30mHz-1GHz	Pass
OB7	5	2502.5	QPSK	25	LOW	1GHz-7GHz	Pass
OB7	5	2502.5	QPSK	25	LOW	7GHz-13.6GHz	Pass
OB7	5	2502.5	QPSK	25	LOW	13.6GHz-20GHz	Pass
OB7	5	2502.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB7	5	2502.5	QPSK	1	LOW	1GHz-7GHz	Pass
OB7	5	2502.5	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB7	5	2502.5	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB7	5	2502.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB7	5	2502.5	QPSK	1	HIGH	1GHz-7GHz	Pass
OB7	5	2502.5	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB7	5	2502.5	QPSK	1	HIGH	13.6GHz-20GHz	Pass
OB7	5	2535	QPSK	25	LOW	30mHz-1GHz	Pass
OB7	5	2535	QPSK	25	LOW	1GHz-7GHz	Pass
OB7	5	2535	QPSK	25	LOW	7GHz-13.6GHz	Pass
OB7	5	2535	QPSK	25	LOW	13.6GHz-20GHz	Pass
OB7	5	2535	QPSK	1	LOW	30mHz-1GHz	Pass
OB7	5	2535	QPSK	1	LOW	1GHz-7GHz	Margin Low!
OB7	5	2535	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB7	5	2535	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB7	5	2535	QPSK	1	HIGH	30mHz-1GHz	Pass
OB7	5	2535	QPSK	1	HIGH	1GHz-7GHz	Pass
OB7	5	2535	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB7	5	2535	QPSK	1	HIGH	13.6GHz-20GHz	Pass
OB7	5	2567.5	QPSK	25	LOW	30mHz-1GHz	Pass
OB7	5	2567.5	QPSK	25	LOW	1GHz-7GHz	Pass
OB7	5	2567.5	QPSK	25	LOW	7GHz-13.6GHz	Pass
OB7	5	2567.5	QPSK	25	LOW	13.6GHz-20GHz	Pass
OB7	5	2567.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB7	5	2567.5	QPSK	1	LOW	1GHz-7GHz	Pass
OB7	5	2567.5	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB7	5	2567.5	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB7	5	2567.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB7	5	2567.5	QPSK	1	HIGH	1GHz-7GHz	Pass
OB7	5	2567.5	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB7	5	2567.5	QPSK	1	HIGH	13.6GHz-20GHz	Pass
OB7	10	2505	QPSK	50	LOW	30mHz-1GHz	Pass
OB7	10	2505	QPSK	50	LOW	1GHz-7GHz	Pass
OB7	10	2505	QPSK	50	LOW	7GHz-13.6GHz	Pass
OB7	10	2505	QPSK	50	LOW	13.6GHz-20GHz	Pass

OB7	10	2505	QPSK	1	LOW	30mHz-1GHz	Pass
OB7	10	2505	QPSK	1	LOW	1GHz-7GHz	Pass
OB7	10	2505	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB7	10	2505	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB7	10	2505	QPSK	1	HIGH	30mHz-1GHz	Pass
OB7	10	2505	QPSK	1	HIGH	1GHz-7GHz	Pass
OB7	10	2505	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB7	10	2505	QPSK	1	HIGH	13.6GHz-20GHz	Pass
OB7	10	2535	QPSK	50	LOW	30mHz-1GHz	Pass
OB7	10	2535	QPSK	50	LOW	1GHz-7GHz	Pass
OB7	10	2535	QPSK	50	LOW	7GHz-13.6GHz	Pass
OB7	10	2535	QPSK	50	LOW	13.6GHz-20GHz	Pass
OB7	10	2535	QPSK	1	LOW	30mHz-1GHz	Pass
OB7	10	2535	QPSK	1	LOW	1GHz-7GHz	Pass
OB7	10	2535	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB7	10	2535	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB7	10	2535	QPSK	1	HIGH	30mHz-1GHz	Pass
OB7	10	2535	QPSK	1	HIGH	1GHz-7GHz	Pass
OB7	10	2535	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB7	10	2535	QPSK	1	HIGH	13.6GHz-20GHz	Pass
OB7	10	2565	QPSK	50	LOW	30mHz-1GHz	Pass
OB7	10	2565	QPSK	50	LOW	1GHz-7GHz	Pass
OB7	10	2565	QPSK	50	LOW	7GHz-13.6GHz	Pass
OB7	10	2565	QPSK	50	LOW	13.6GHz-20GHz	Pass
OB7	10	2565	QPSK	1	LOW	30mHz-1GHz	Pass
OB7	10	2565	QPSK	1	LOW	1GHz-7GHz	Pass
OB7	10	2565	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB7	10	2565	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB7	10	2565	QPSK	1	HIGH	30mHz-1GHz	Pass
OB7	10	2565	QPSK	1	HIGH	1GHz-7GHz	Pass
OB7	10	2565	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB7	10	2565	QPSK	1	HIGH	13.6GHz-20GHz	Pass
OB7	15	2507.5	QPSK	75	LOW	30mHz-1GHz	Pass
OB7	15	2507.5	QPSK	75	LOW	1GHz-7GHz	Pass
OB7	15	2507.5	QPSK	75	LOW	7GHz-13.6GHz	Pass
OB7	15	2507.5	QPSK	75	LOW	13.6GHz-20GHz	Pass
OB7	15	2507.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB7	15	2507.5	QPSK	1	LOW	1GHz-7GHz	Pass
OB7	15	2507.5	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB7	15	2507.5	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB7	15	2507.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB7	15	2507.5	QPSK	1	HIGH	1GHz-7GHz	Pass
OB7	15	2507.5	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB7	15	2507.5	QPSK	1	HIGH	13.6GHz-20GHz	Pass
OB7	15	2535	QPSK	75	LOW	30mHz-1GHz	Pass
OB7	15	2535	QPSK	75	LOW	1GHz-7GHz	Pass

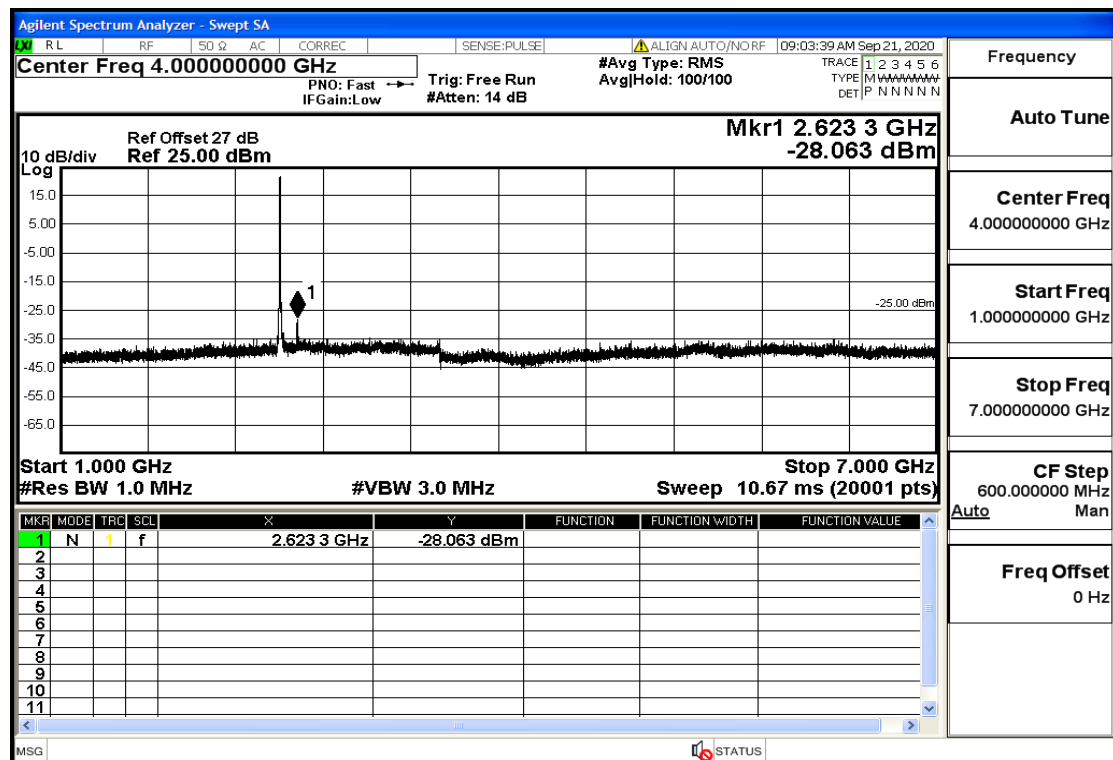
OB7	15	2535	QPSK	75	LOW	7GHz-13.6GHz	Pass
OB7	15	2535	QPSK	75	LOW	13.6GHz-20GHz	Pass
OB7	15	2535	QPSK	1	LOW	30mHz-1GHz	Pass
OB7	15	2535	QPSK	1	LOW	1GHz-7GHz	Pass
OB7	15	2535	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB7	15	2535	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB7	15	2535	QPSK	1	HIGH	30mHz-1GHz	Pass
OB7	15	2535	QPSK	1	HIGH	1GHz-7GHz	Pass
OB7	15	2535	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB7	15	2535	QPSK	1	HIGH	13.6GHz-20GHz	Pass
OB7	15	2562.5	QPSK	75	LOW	30mHz-1GHz	Pass
OB7	15	2562.5	QPSK	75	LOW	1GHz-7GHz	Pass
OB7	15	2562.5	QPSK	75	LOW	7GHz-13.6GHz	Pass
OB7	15	2562.5	QPSK	75	LOW	13.6GHz-20GHz	Pass
OB7	15	2562.5	QPSK	1	LOW	30mHz-1GHz	Pass
OB7	15	2562.5	QPSK	1	LOW	1GHz-7GHz	Pass
OB7	15	2562.5	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB7	15	2562.5	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB7	15	2562.5	QPSK	1	HIGH	30mHz-1GHz	Pass
OB7	15	2562.5	QPSK	1	HIGH	1GHz-7GHz	Pass
OB7	15	2562.5	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB7	15	2562.5	QPSK	1	HIGH	13.6GHz-20GHz	Pass
OB7	20	2510	QPSK	100	LOW	30mHz-1GHz	Pass
OB7	20	2510	QPSK	100	LOW	1GHz-7GHz	Pass
OB7	20	2510	QPSK	100	LOW	7GHz-13.6GHz	Pass
OB7	20	2510	QPSK	100	LOW	13.6GHz-20GHz	Pass
OB7	20	2510	QPSK	1	LOW	30mHz-1GHz	Pass
OB7	20	2510	QPSK	1	LOW	1GHz-7GHz	Pass
OB7	20	2510	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB7	20	2510	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB7	20	2510	QPSK	1	HIGH	30mHz-1GHz	Pass
OB7	20	2510	QPSK	1	HIGH	1GHz-7GHz	Pass
OB7	20	2510	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB7	20	2510	QPSK	1	HIGH	13.6GHz-20GHz	Pass
OB7	20	2535	QPSK	100	LOW	30mHz-1GHz	Pass
OB7	20	2535	QPSK	100	LOW	1GHz-7GHz	Pass
OB7	20	2535	QPSK	100	LOW	7GHz-13.6GHz	Pass
OB7	20	2535	QPSK	100	LOW	13.6GHz-20GHz	Pass
OB7	20	2535	QPSK	1	LOW	30mHz-1GHz	Pass
OB7	20	2535	QPSK	1	LOW	1GHz-7GHz	Pass
OB7	20	2535	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB7	20	2535	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB7	20	2535	QPSK	1	HIGH	30mHz-1GHz	Pass
OB7	20	2535	QPSK	1	HIGH	1GHz-7GHz	Pass
OB7	20	2535	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB7	20	2535	QPSK	1	HIGH	13.6GHz-20GHz	Pass

OB7	20	2560	QPSK	100	LOW	30mHz-1GHz	Pass
OB7	20	2560	QPSK	100	LOW	1GHz-7GHz	Pass
OB7	20	2560	QPSK	100	LOW	7GHz-13.6GHz	Pass
OB7	20	2560	QPSK	100	LOW	13.6GHz-20GHz	Pass
OB7	20	2560	QPSK	1	LOW	30mHz-1GHz	Pass
OB7	20	2560	QPSK	1	LOW	1GHz-7GHz	Pass
OB7	20	2560	QPSK	1	LOW	7GHz-13.6GHz	Pass
OB7	20	2560	QPSK	1	LOW	13.6GHz-20GHz	Pass
OB7	20	2560	QPSK	1	HIGH	30mHz-1GHz	Pass
OB7	20	2560	QPSK	1	HIGH	1GHz-7GHz	Pass
OB7	20	2560	QPSK	1	HIGH	7GHz-13.6GHz	Pass
OB7	20	2560	QPSK	1	HIGH	13.6GHz-20GHz	Pass

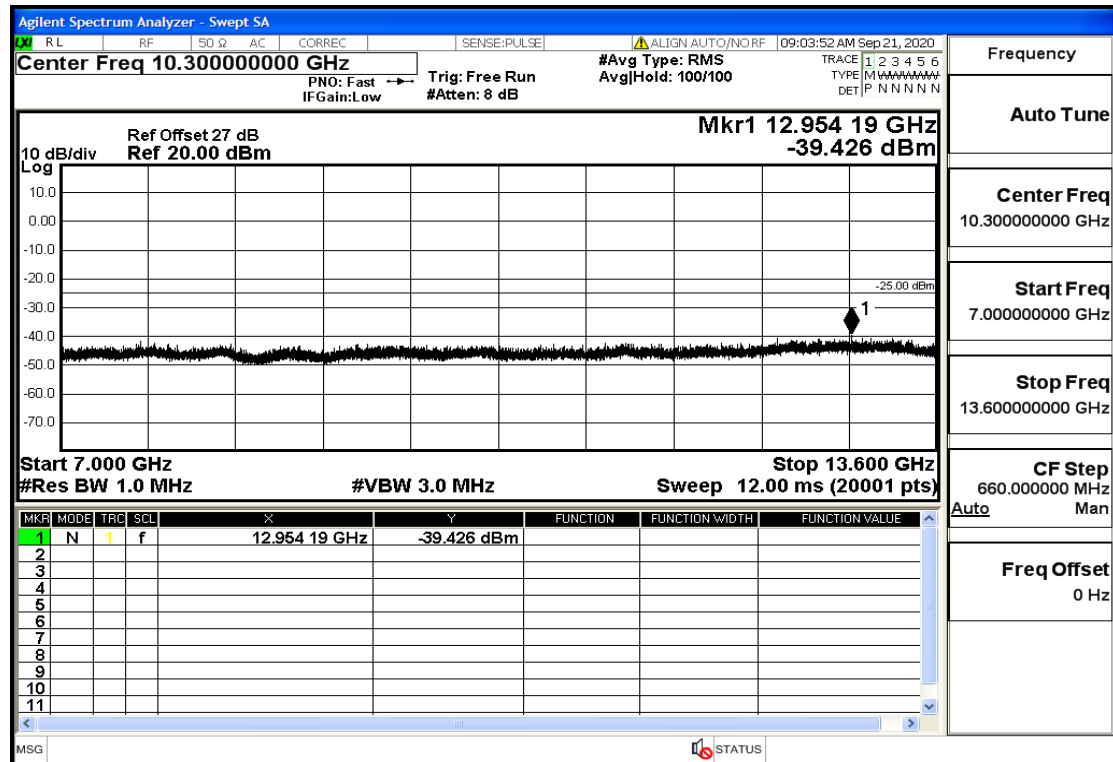
OB7-5-2502.5-QPSK-25#LOW@30mHz-1GHz@Pass



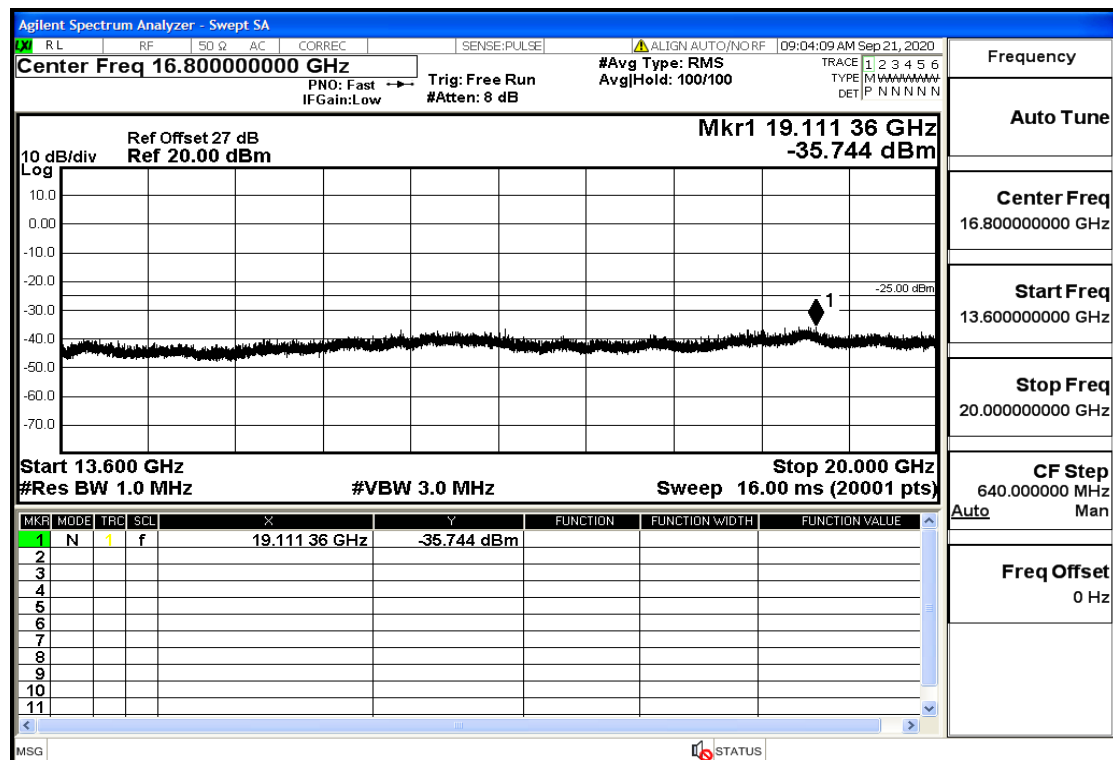
OB7-5-2502.5-QPSK-25#LOW@1GHz-7GHz@Pass



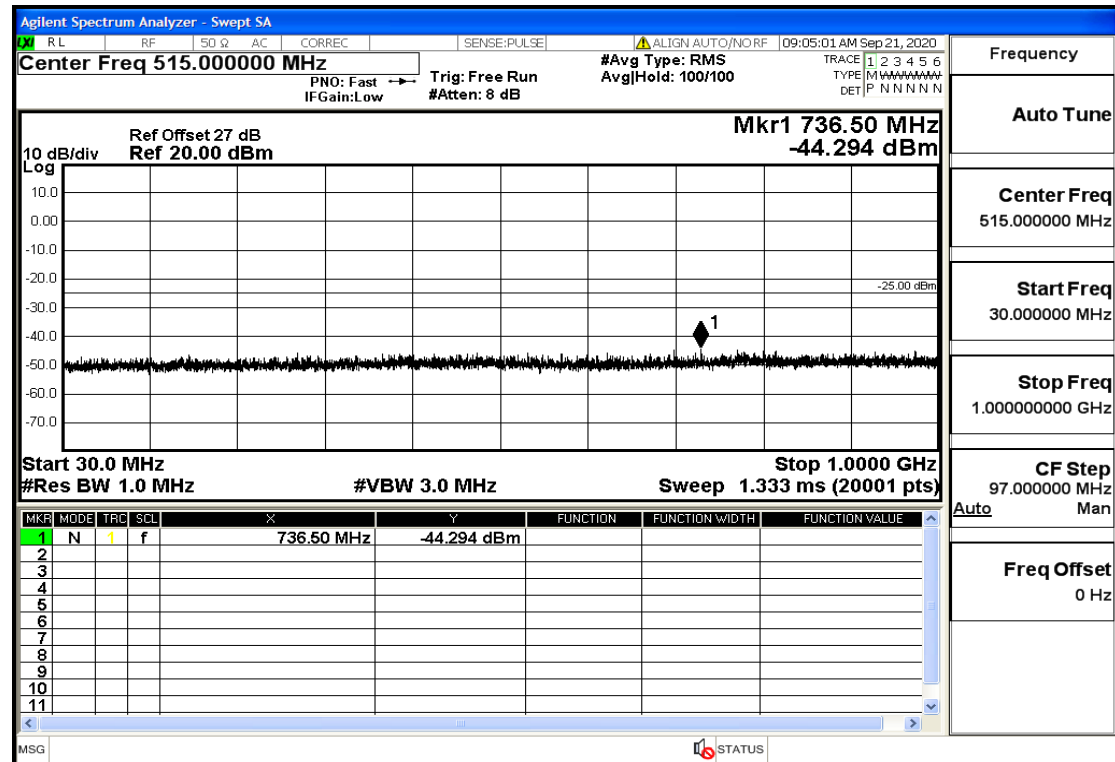
OB7-5-2502.5-QPSK-25#LOW@7GHz-13.6GHz@Pass



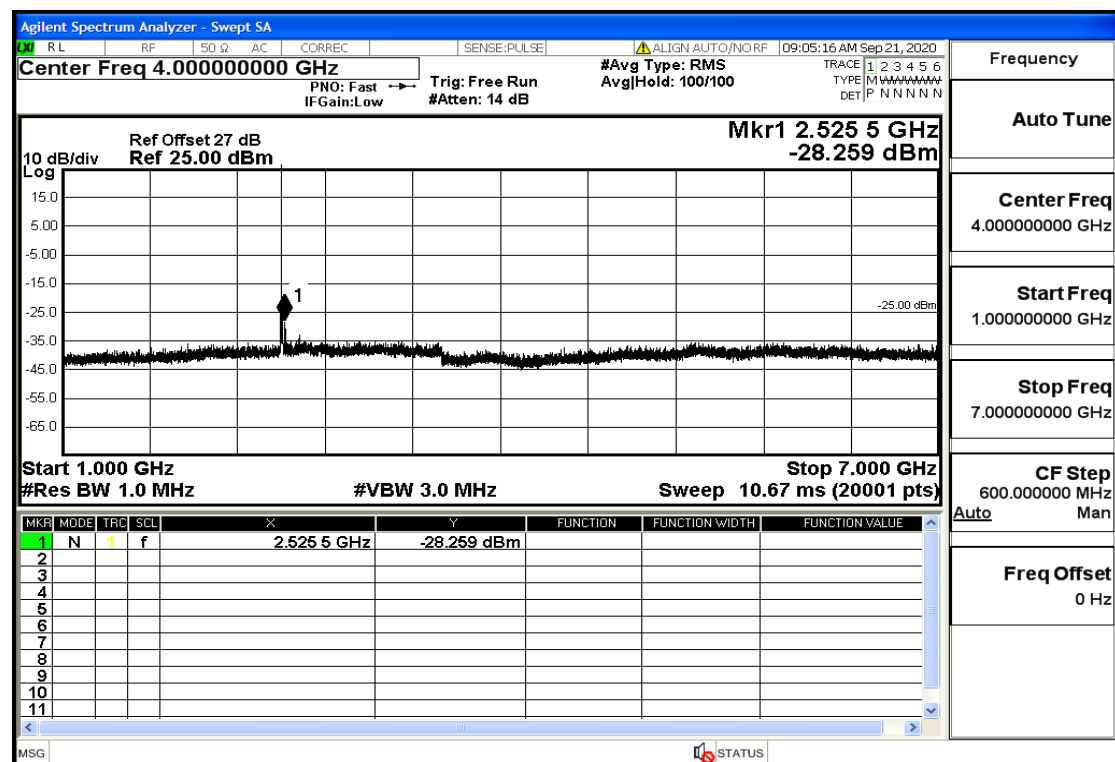
OB7-5-2502.5-QPSK-25#LOW@13.6GHz-20GHz@Pass



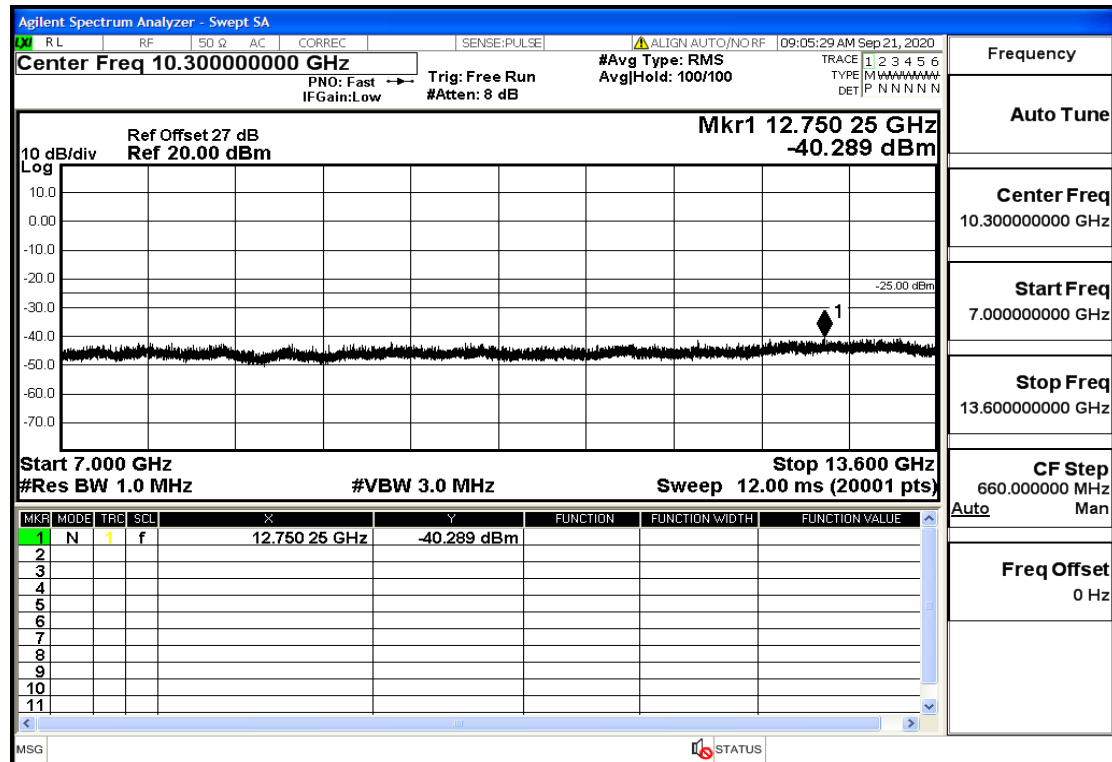
OB7-5-2502.5-QPSK-1#LOW@30mHz-1GHz@Pass



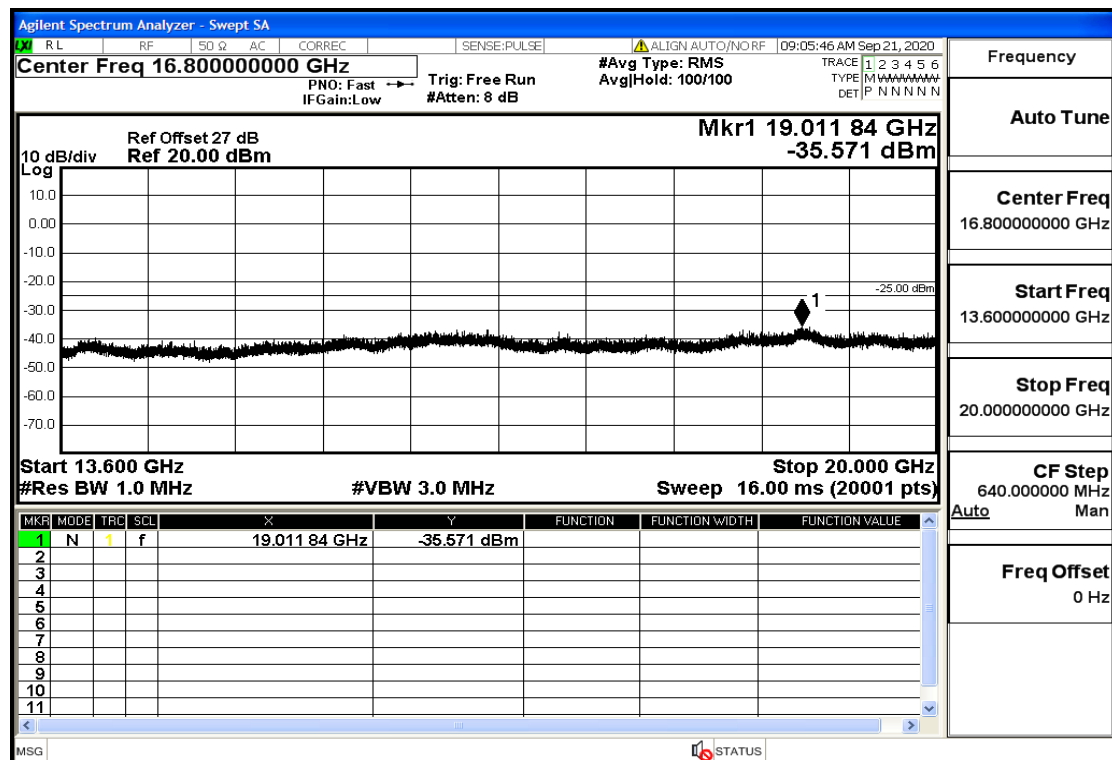
OB7-5-2502.5-QPSK-1#LOW@1GHz-7GHz@Pass



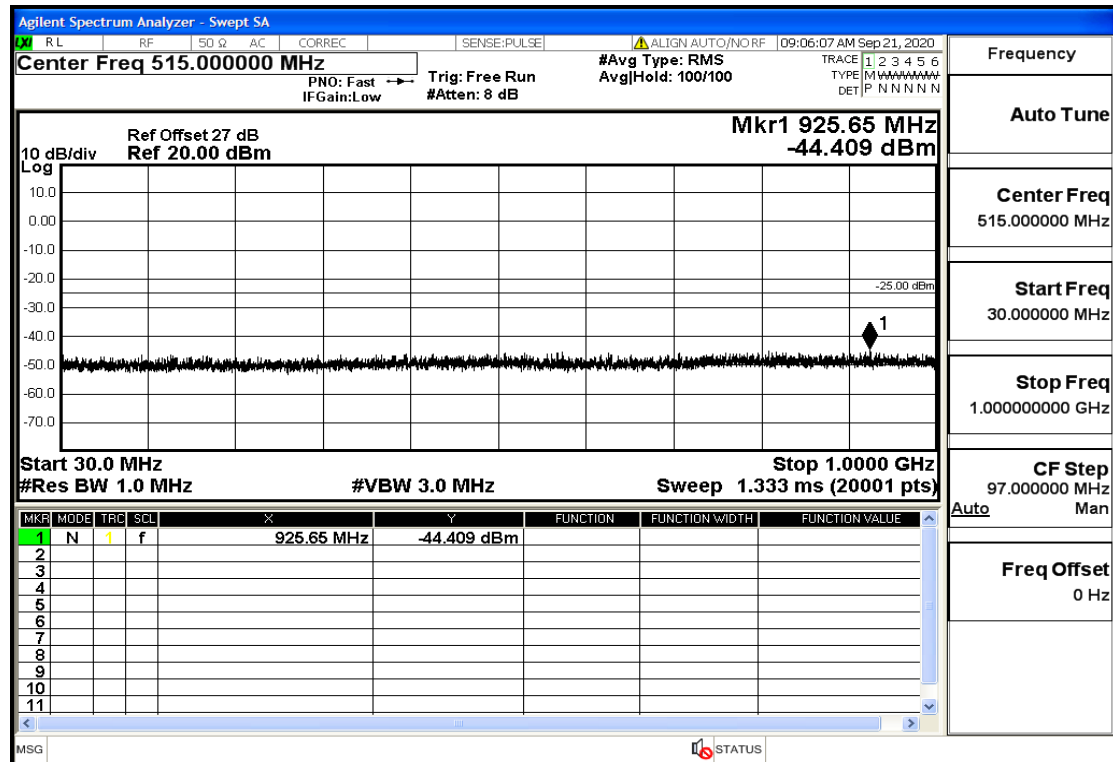
OB7-5-2502.5-QPSK-1#LOW@7GHz-13.6GHz@Pass



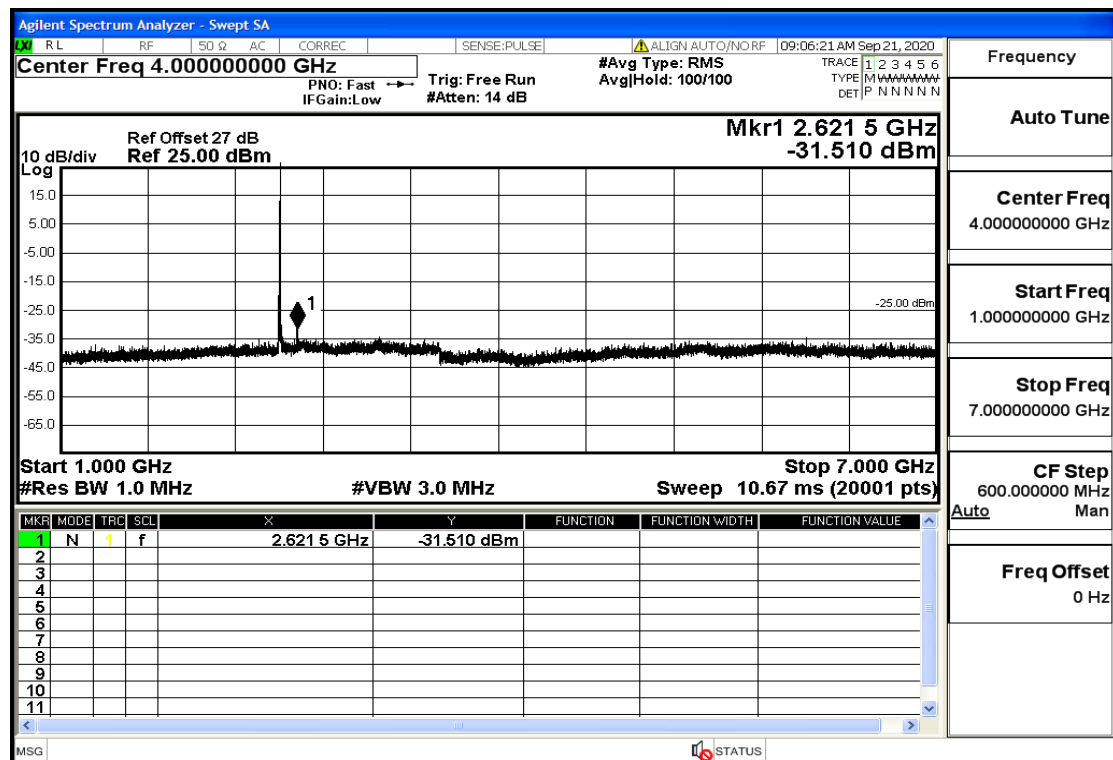
OB7-5-2502.5-QPSK-1#LOW@13.6GHz-20GHz@Pass



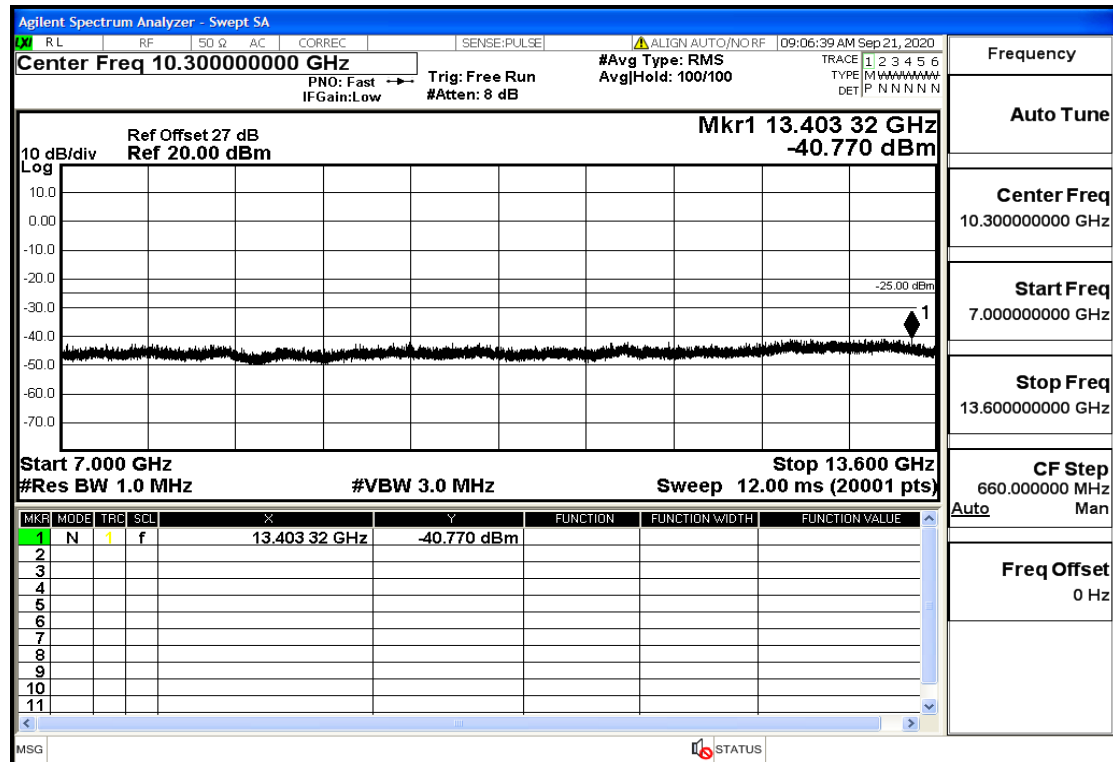
OB7-5-2502.5-QPSK-1#HIGH@30mHz-1GHz@Pass



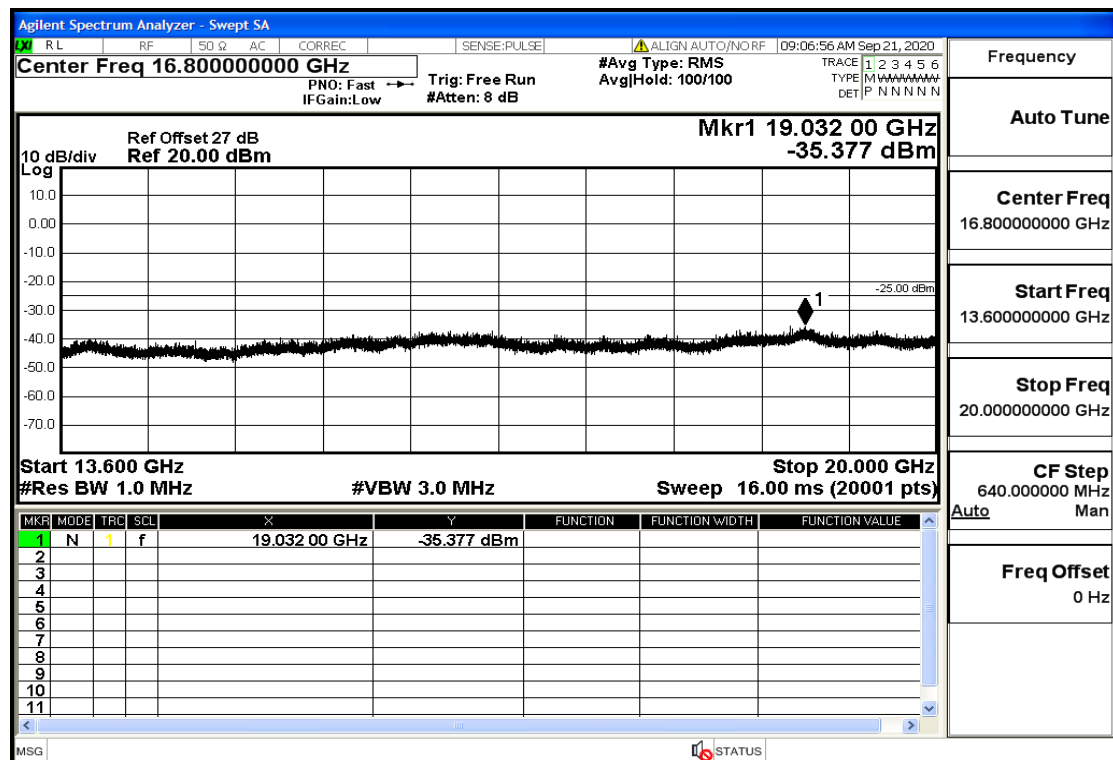
OB7-5-2502.5-QPSK-1#HIGH@1GHz-7GHz@Pass



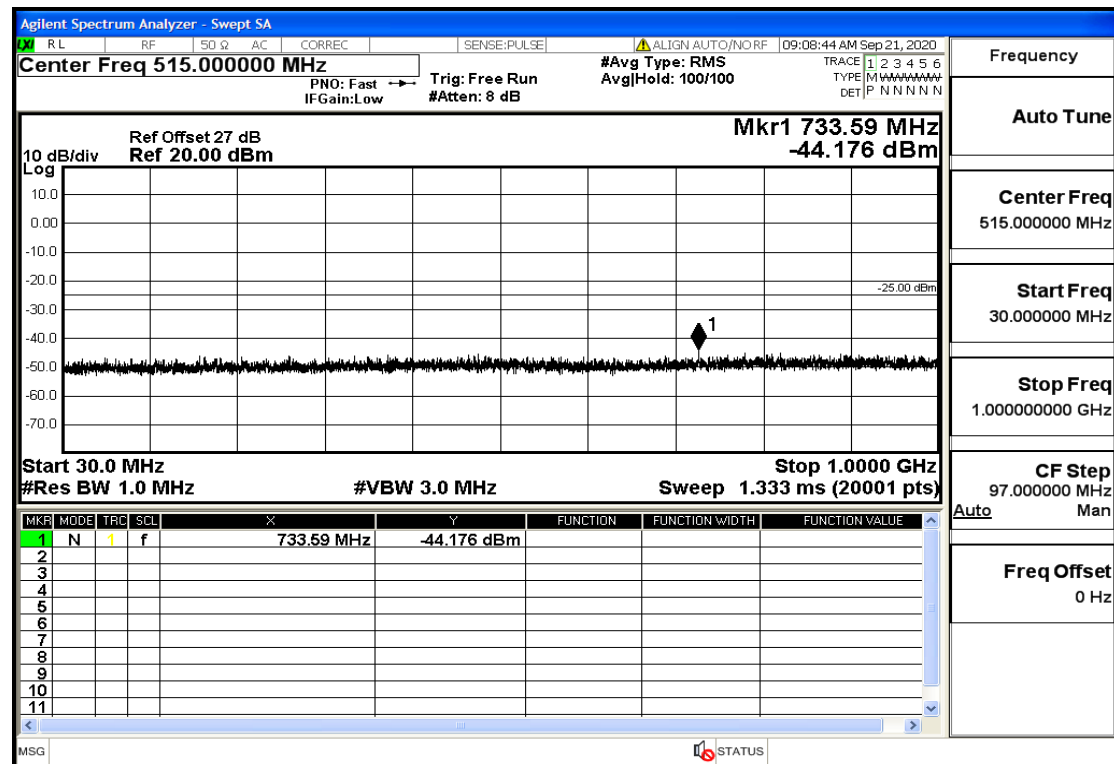
OB7-5-2502.5-QPSK-1#HIGH@7GHz-13.6GHz@Pass



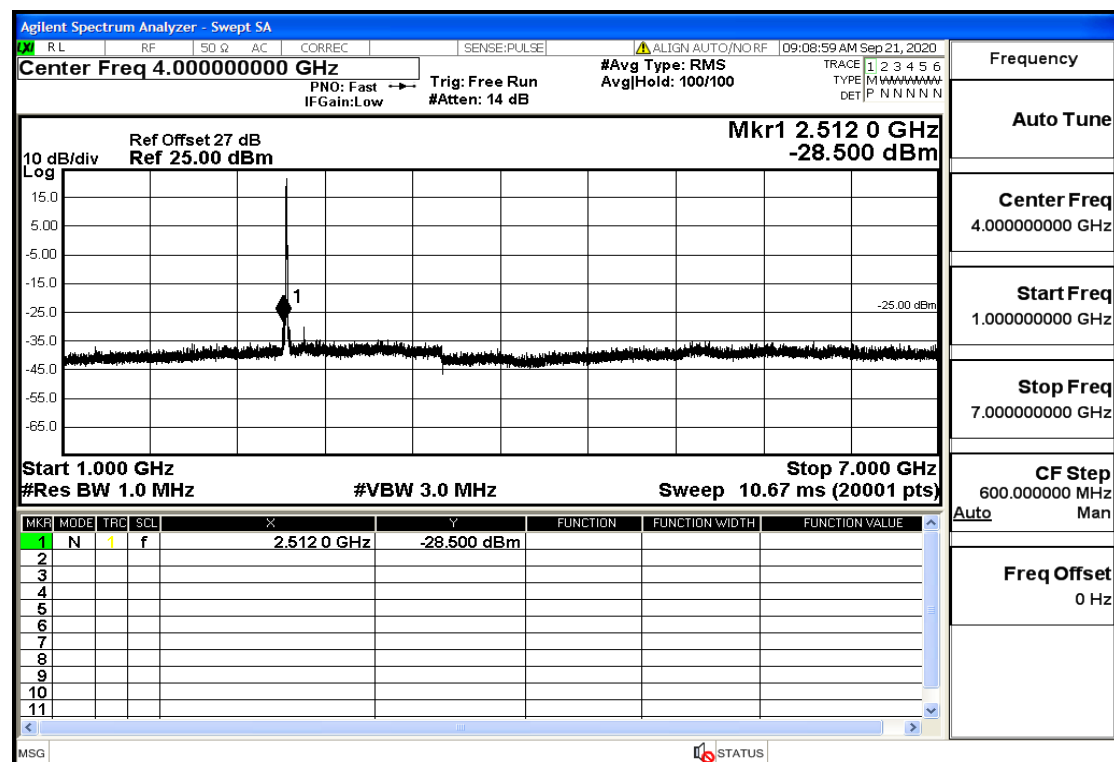
OB7-5-2502.5-QPSK-1#HIGH@13.6GHz-20GHz@Pass



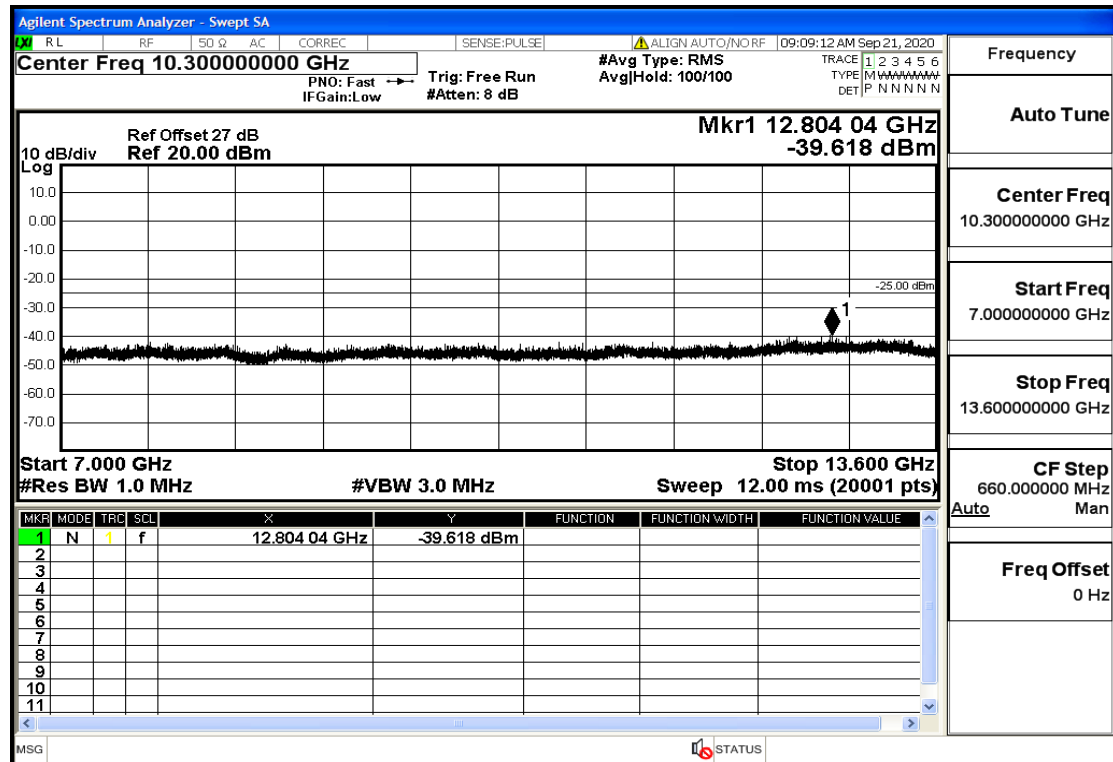
OB7-5-2535-QPSK-25#LOW@30mHz-1GHz@Pass



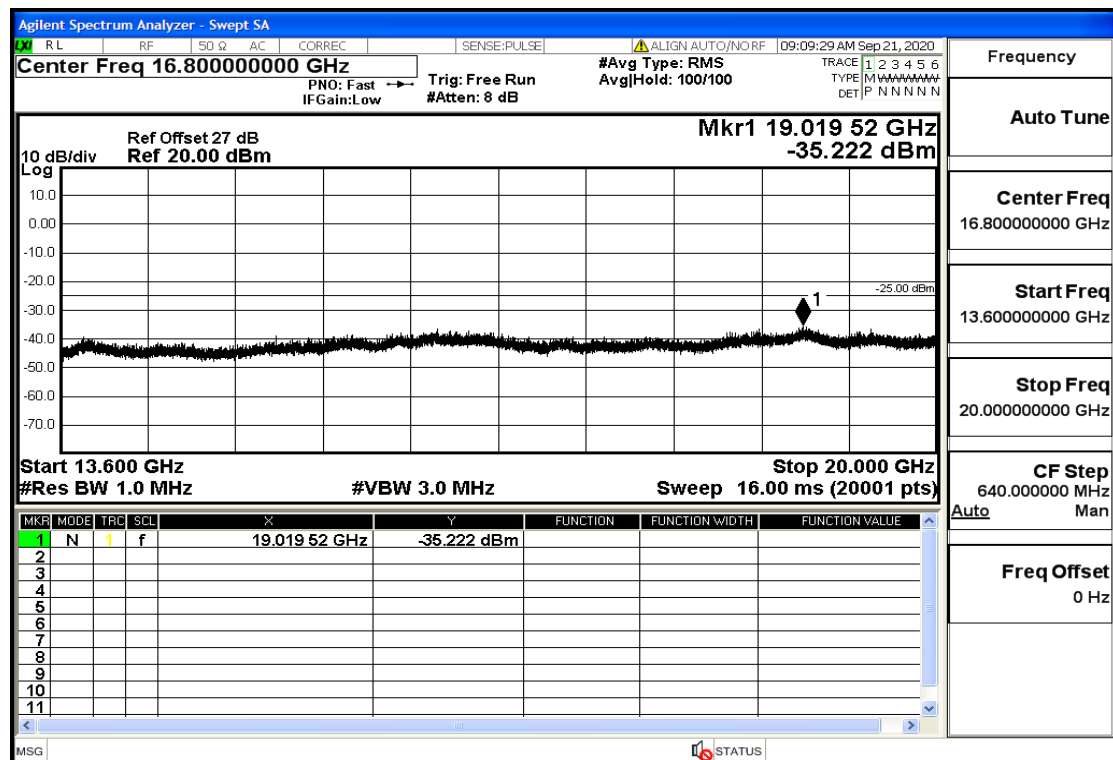
OB7-5-2535-QPSK-25#LOW@1GHz-7GHz@Pass



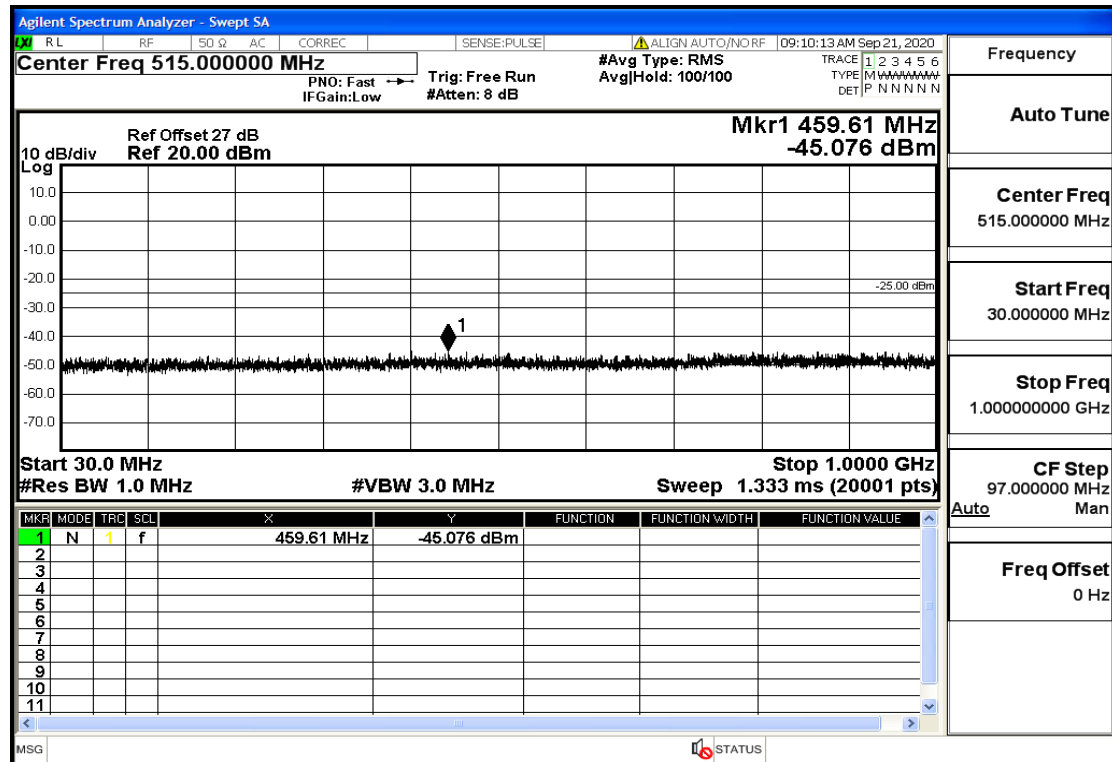
OB7-5-2535-QPSK-25#LOW@7GHz-13.6GHz@Pass



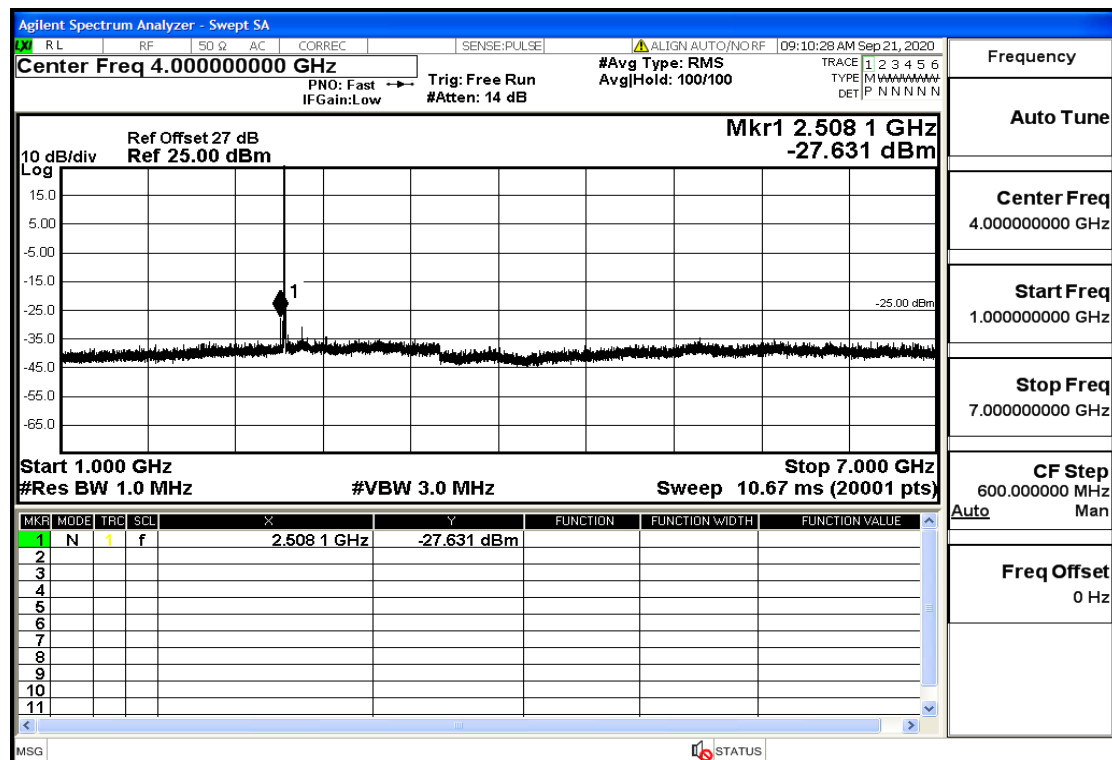
OB7-5-2535-QPSK-25#LOW@13.6GHz-20GHz@Pass



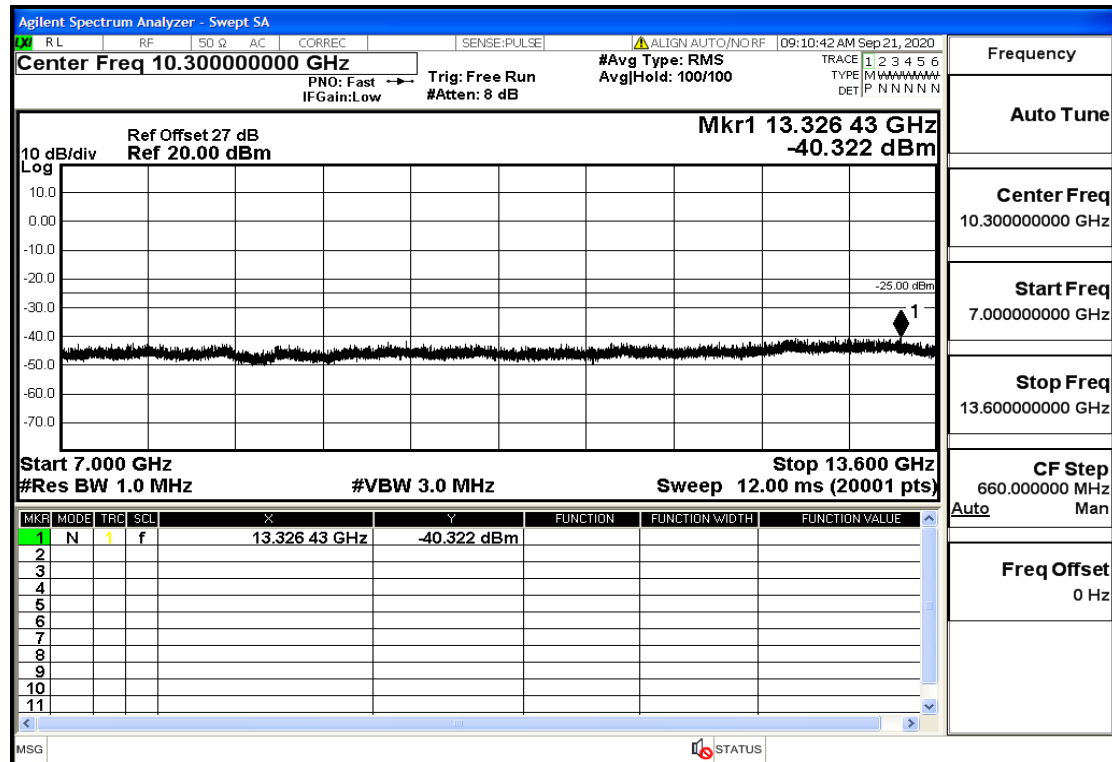
OB7-5-2535-QPSK-1#LOW@30MHz-1GHz@Pass



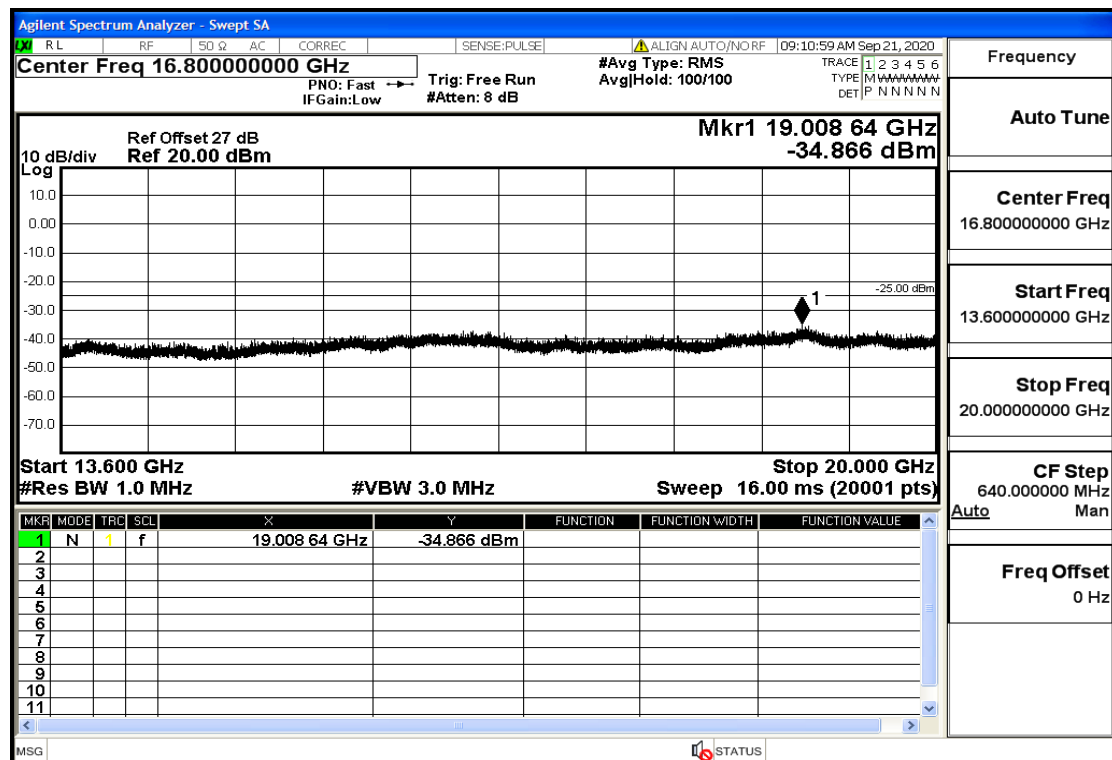
OB7-5-2535-QPSK-1#LOW@1GHz-7GHz@Margin Low!



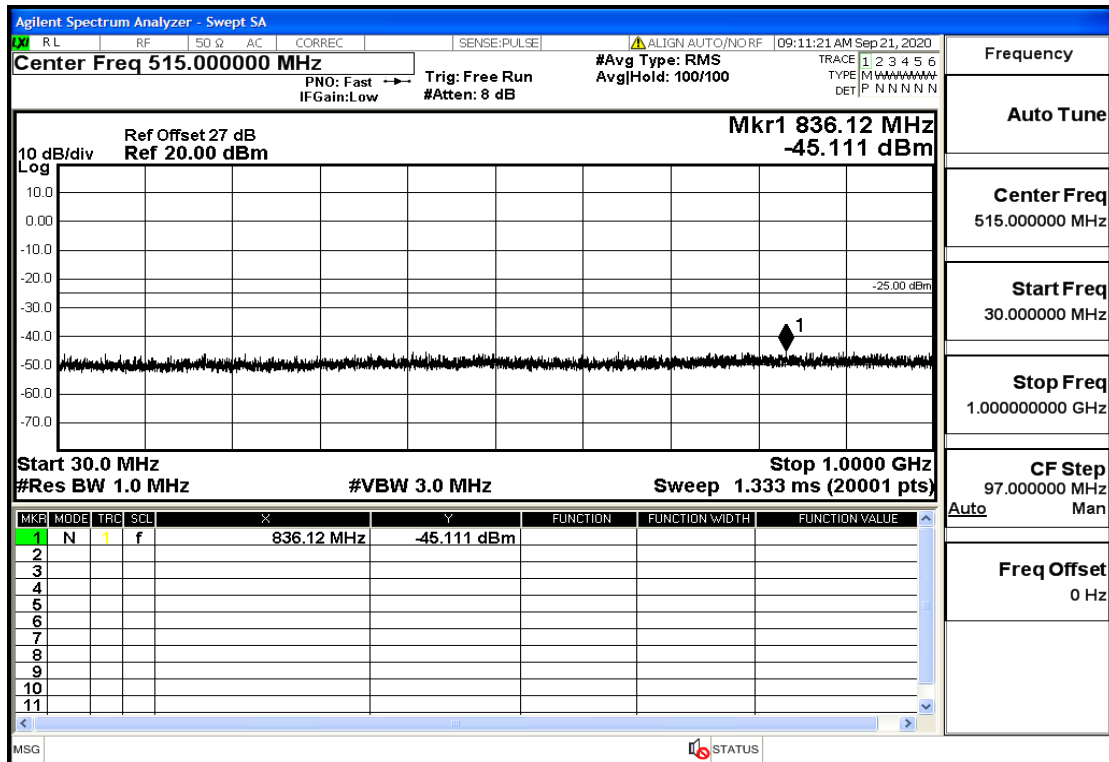
OB7-5-2535-QPSK-1#LOW@7GHz-13.6GHz@Pass



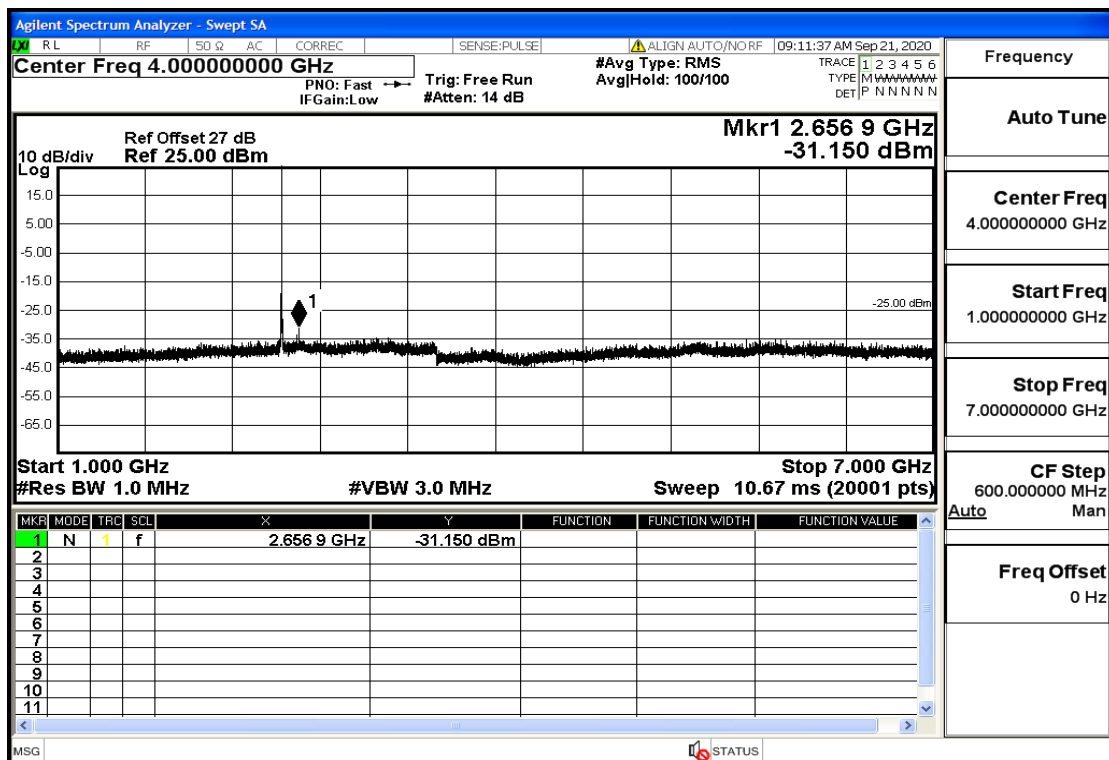
OB7-5-2535-QPSK-1#LOW@13.6GHz-20GHz@Pass



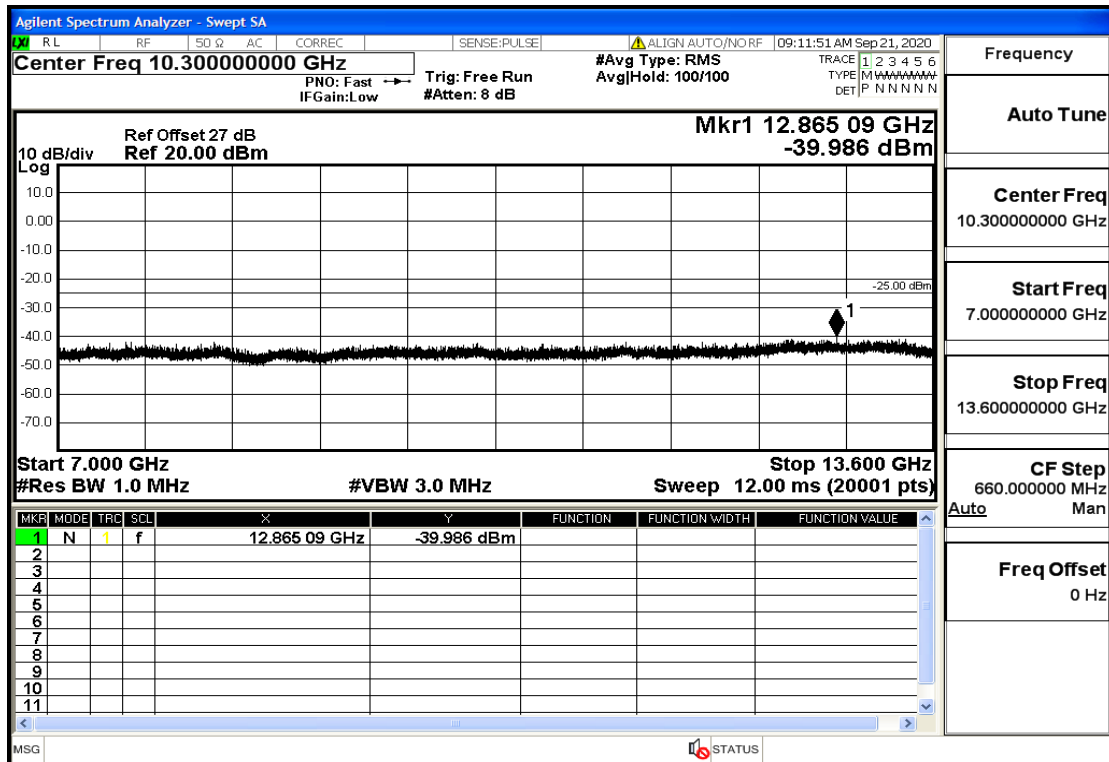
OB7-5-2535-QPSK-1#HIGH@30mHz-1GHz@Pass



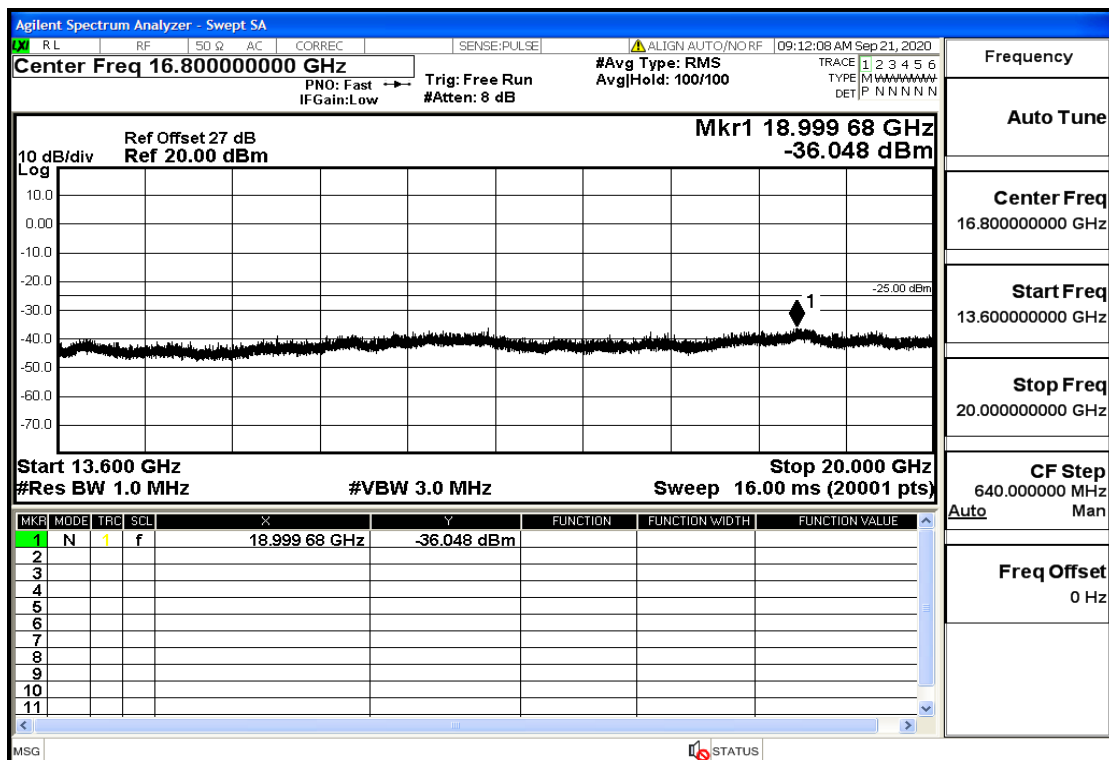
OB7-5-2535-QPSK-1#HIGH@1GHz-7GHz@Pass



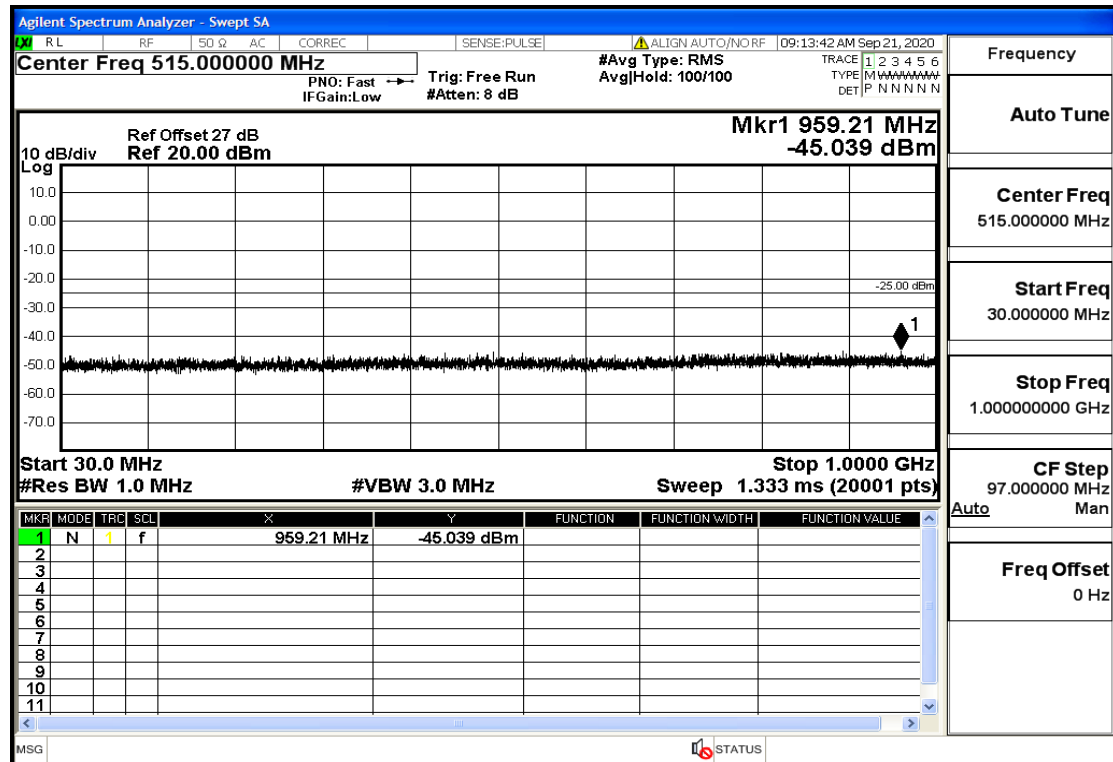
OB7-5-2535-QPSK-1#HIGH@7GHz-13.6GHz@Pass



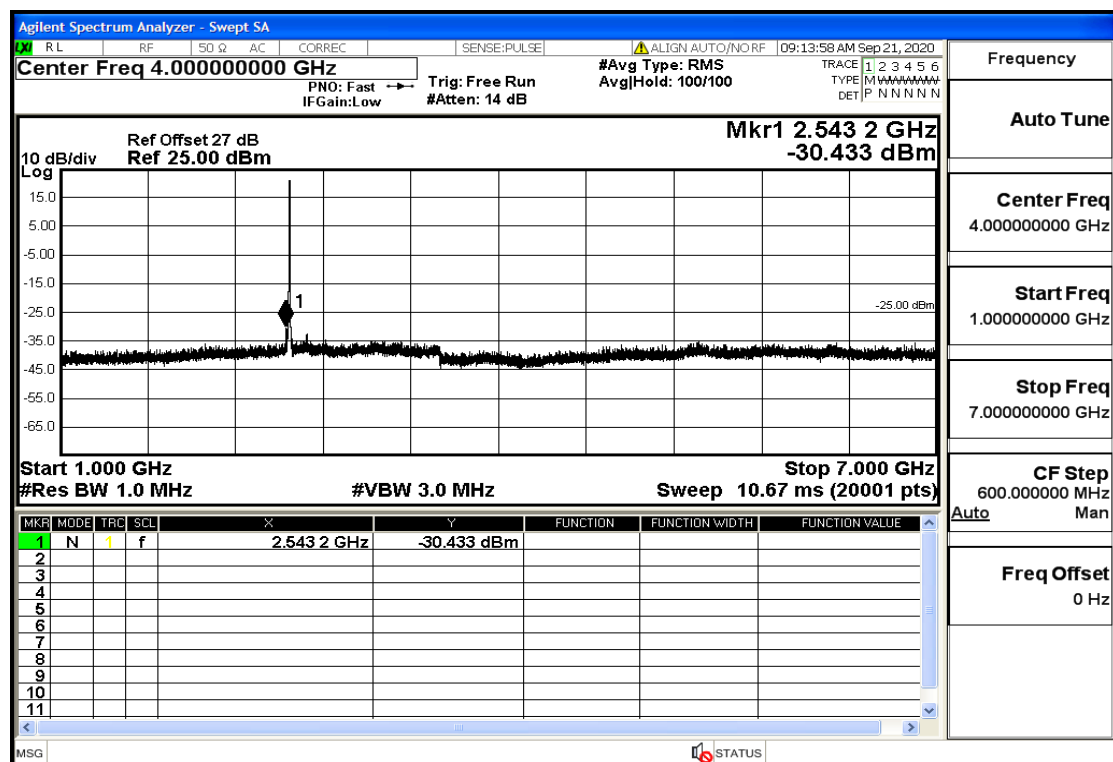
OB7-5-2535-QPSK-1#HIGH@13.6GHz-20GHz@Pass



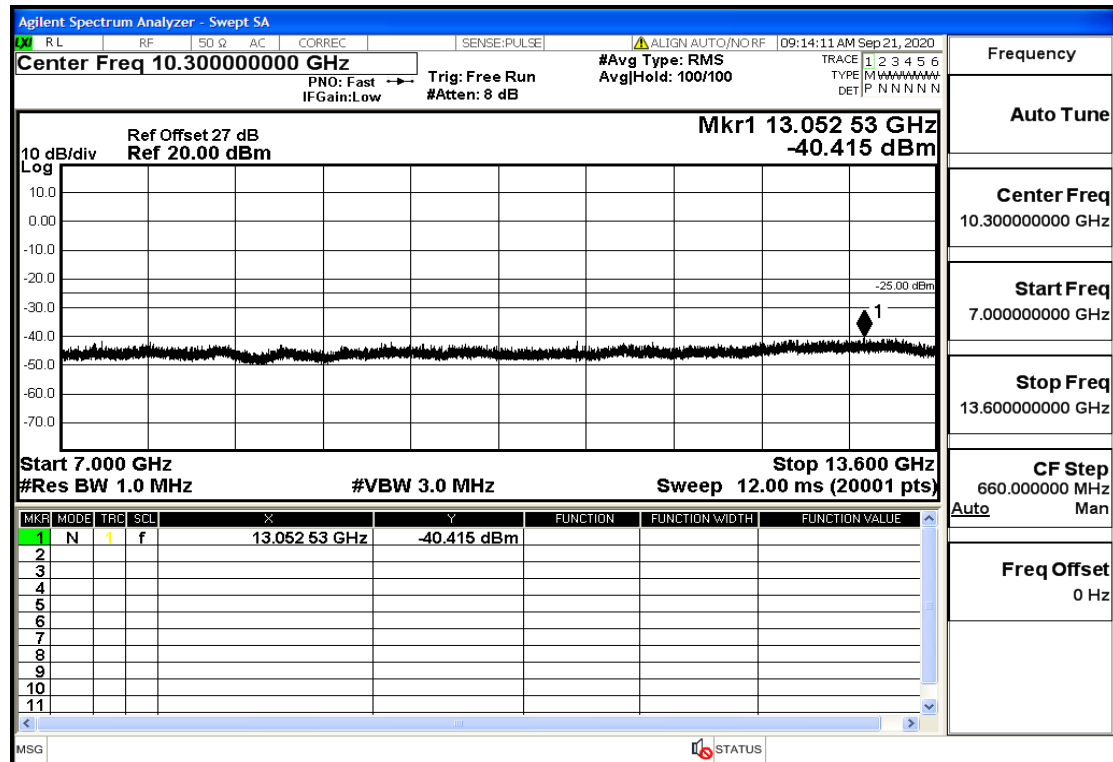
OB7-5-2567.5-QPSK-25#LOW@30mHz-1GHz@Pass



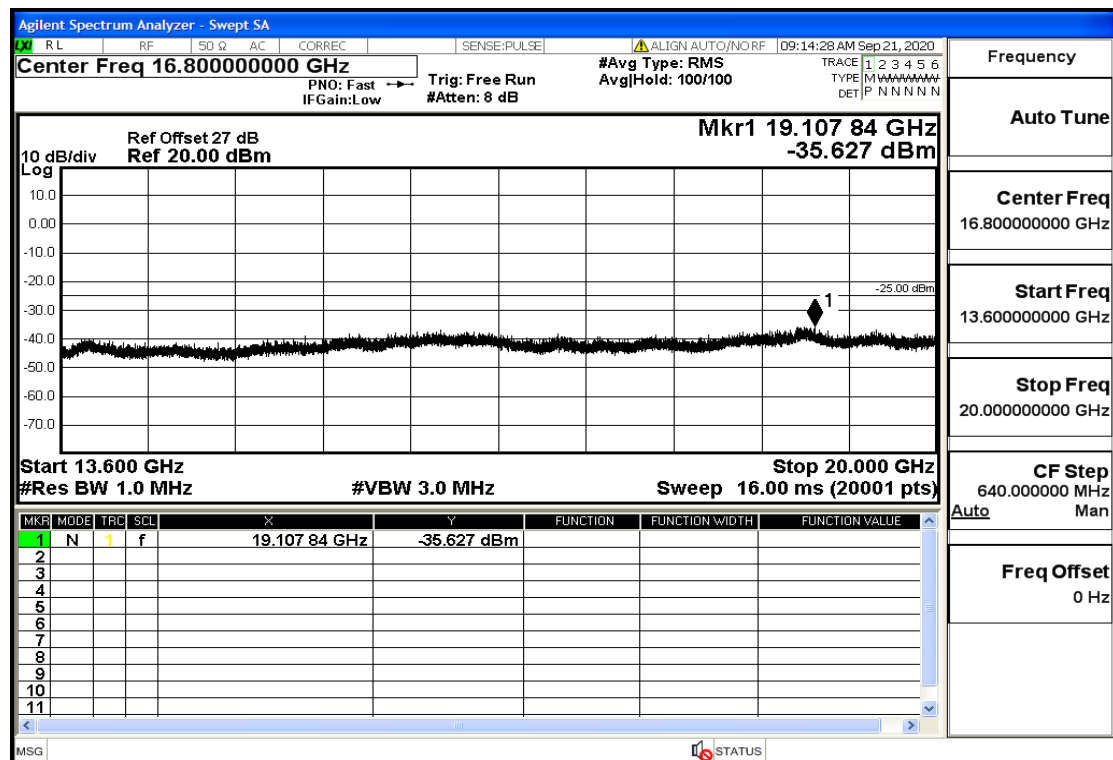
OB7-5-2567.5-QPSK-25#LOW@1GHz-7GHz@Pass



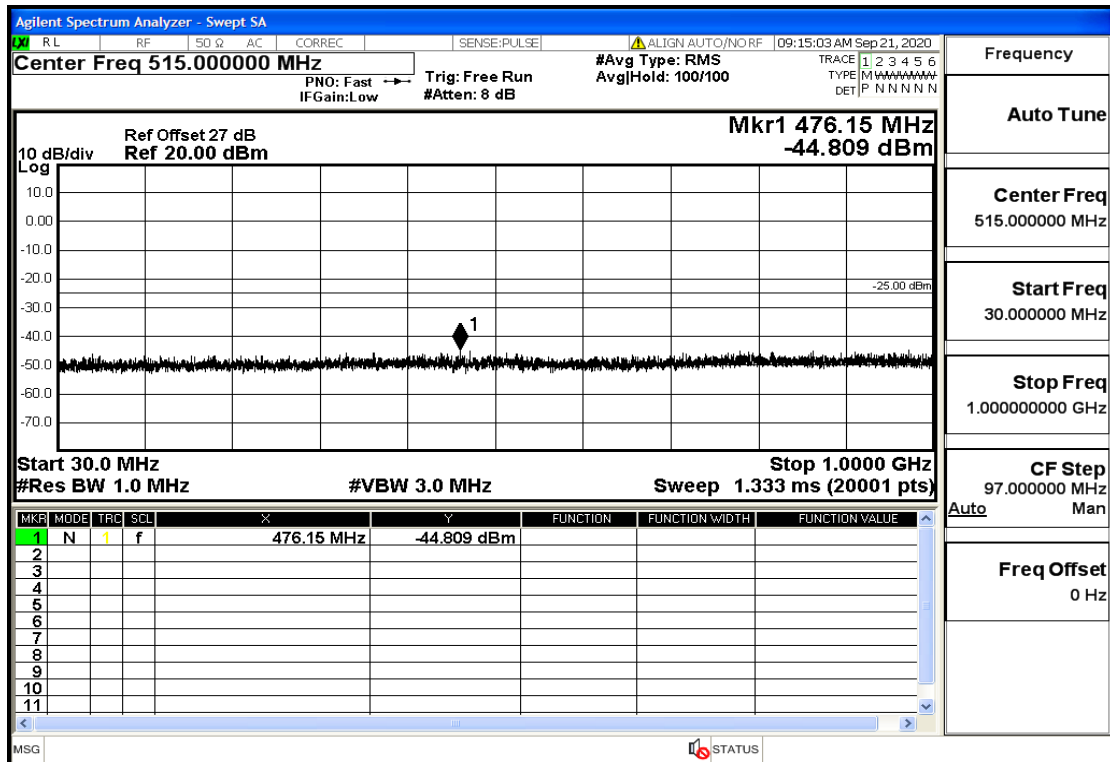
OB7-5-2567.5-QPSK-25#LOW@7GHz-13.6GHz@Pass



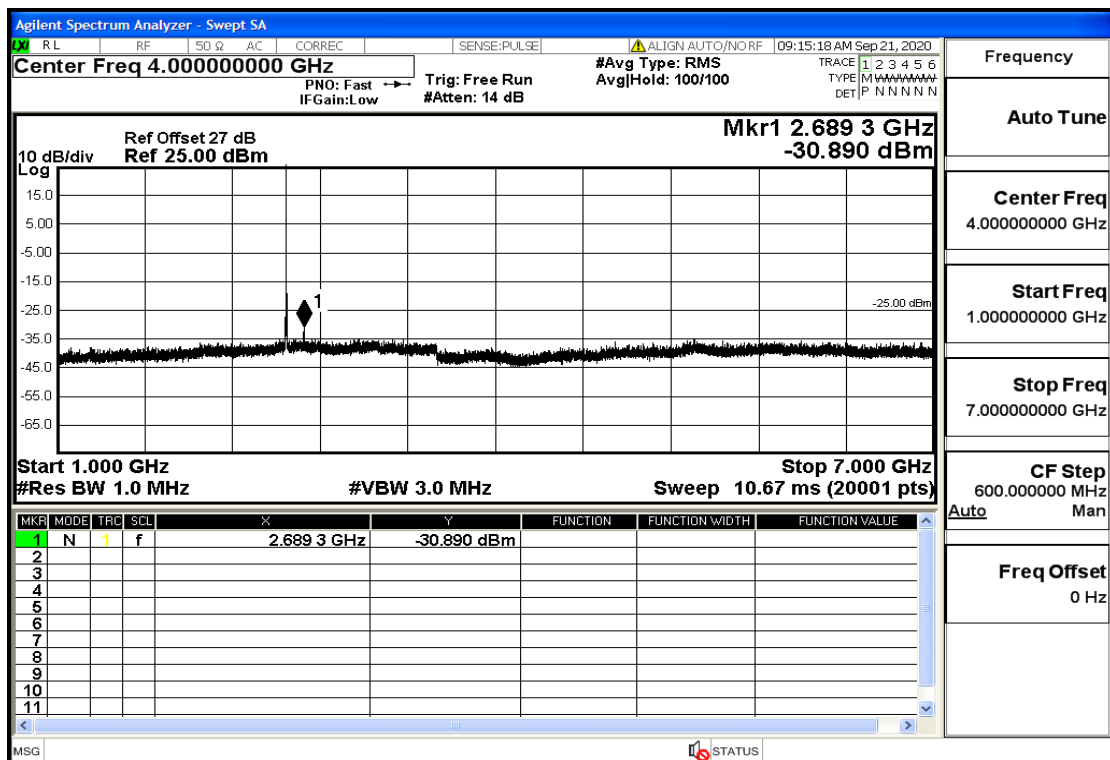
OB7-5-2567.5-QPSK-25#LOW@13.6GHz-20GHz@Pass



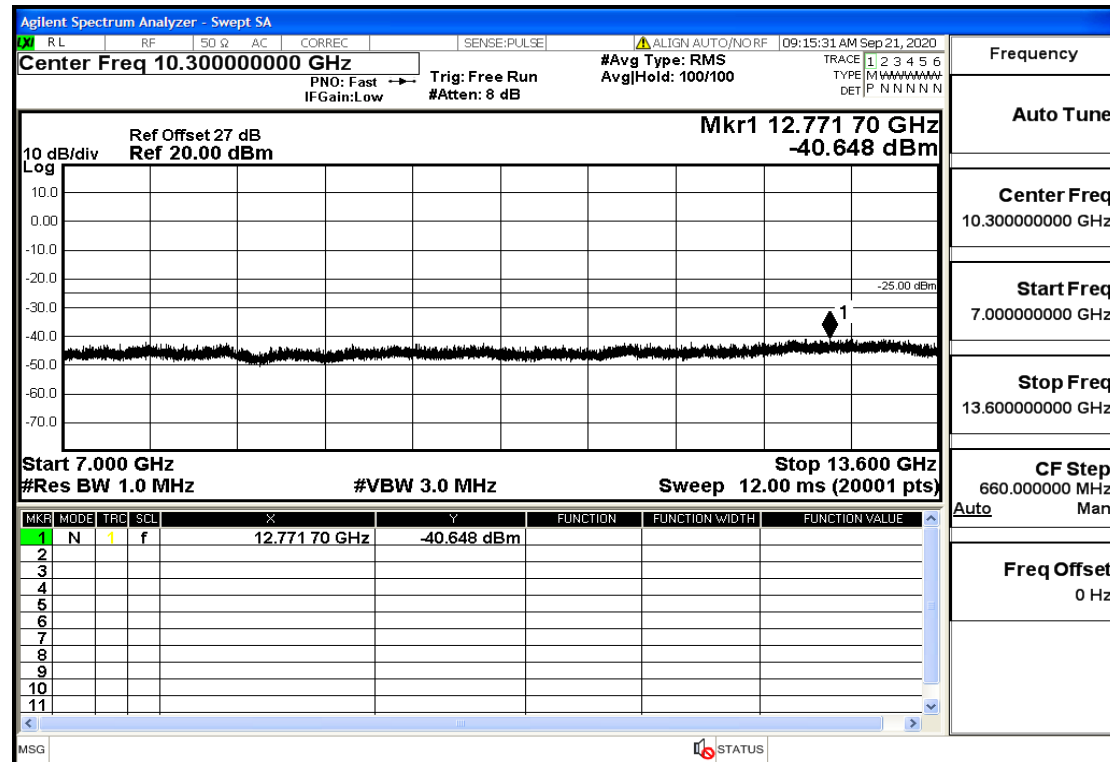
OB7-5-2567.5-QPSK-1#LOW@30mHz-1GHz@Pass



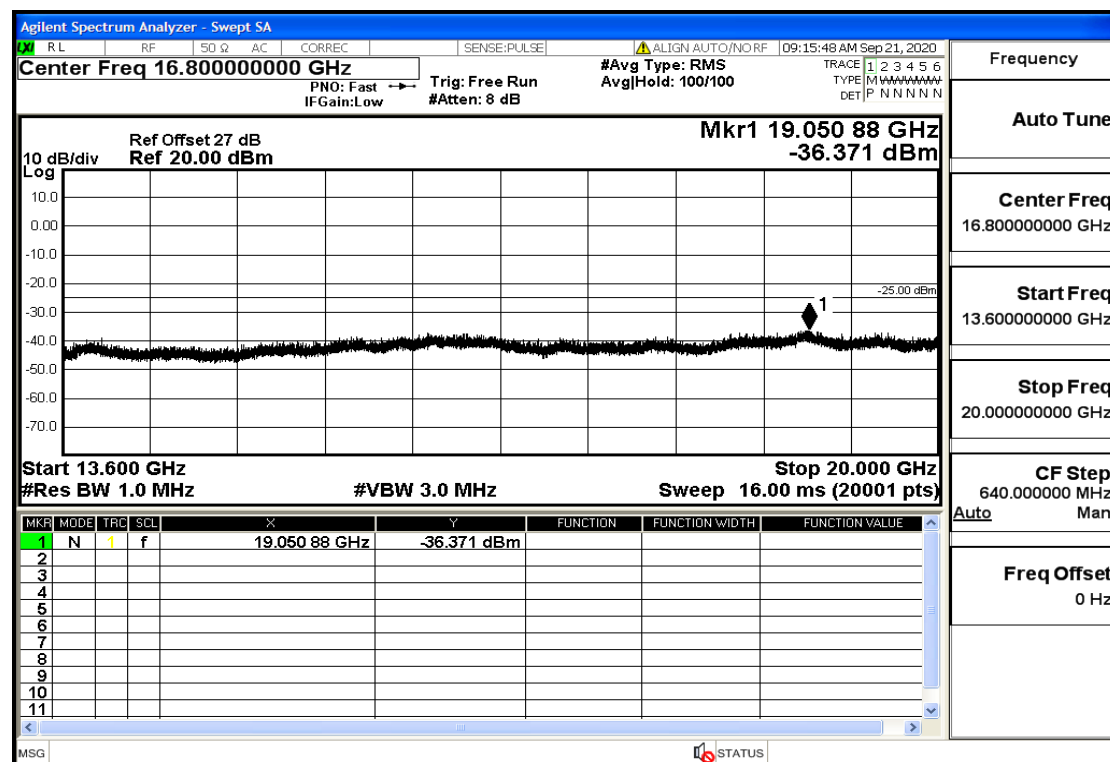
OB7-5-2567.5-QPSK-1#LOW@1GHz-7GHz@Pass



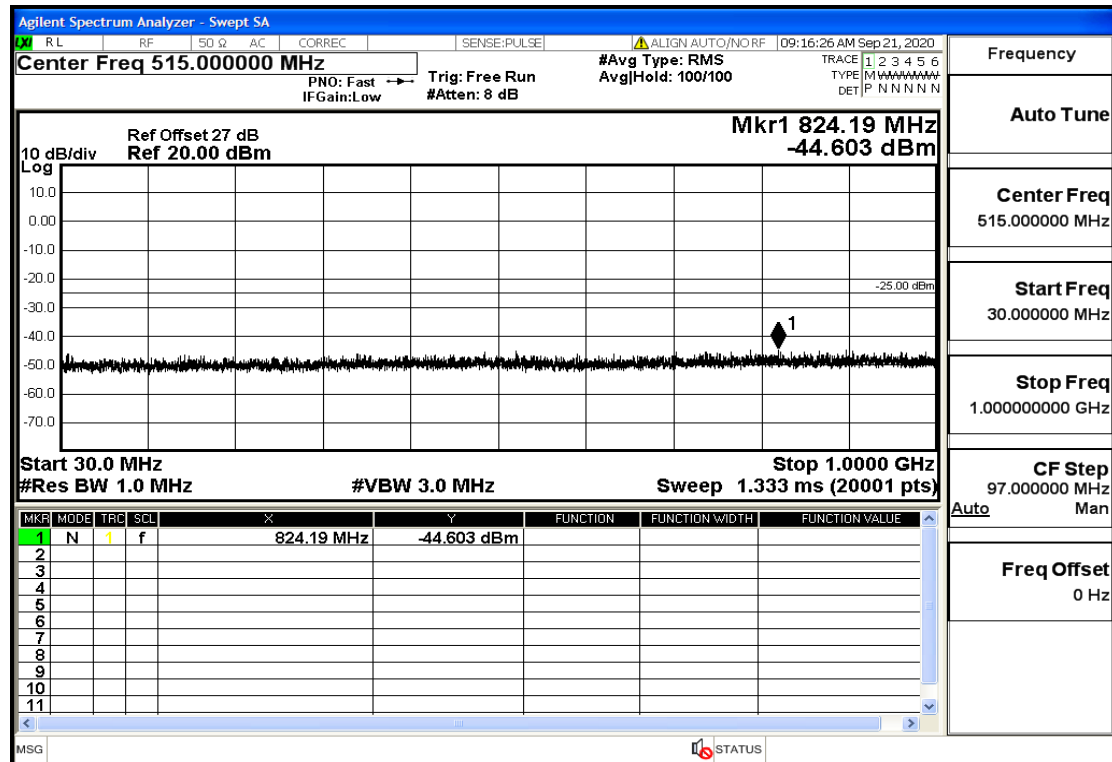
OB7-5-2567.5-QPSK-1#LOW@7GHz-13.6GHz@Pass



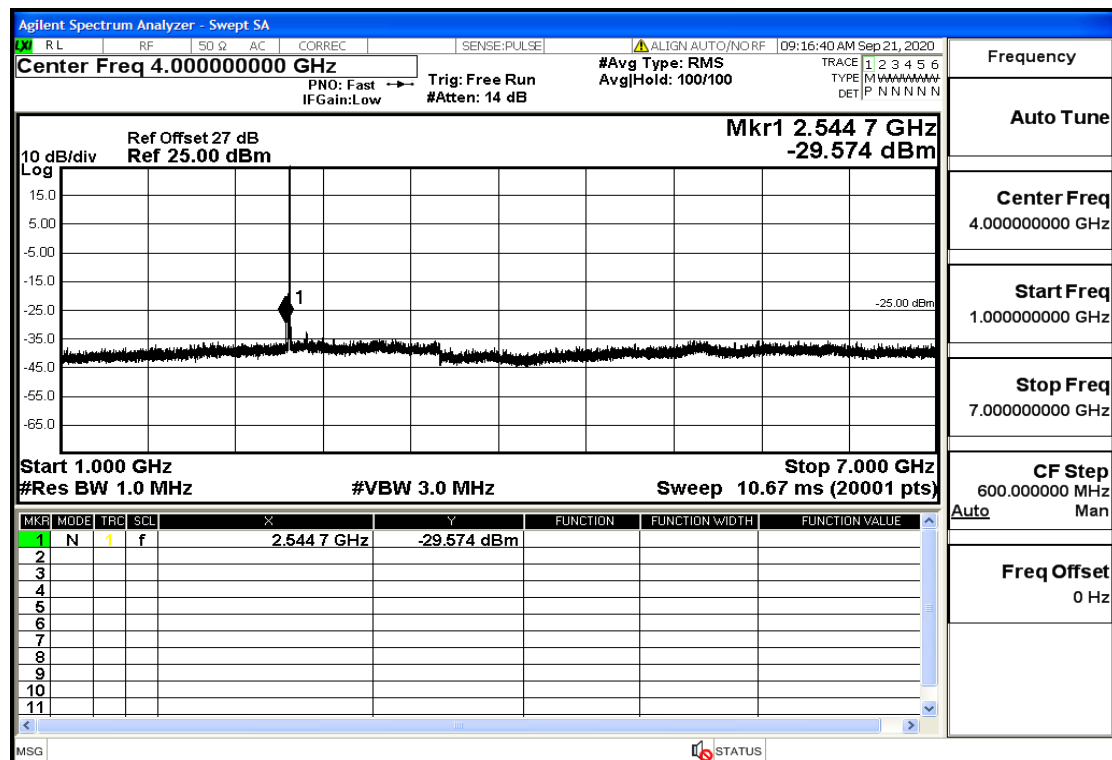
OB7-5-2567.5-QPSK-1#LOW@13.6GHz-20GHz@Pass



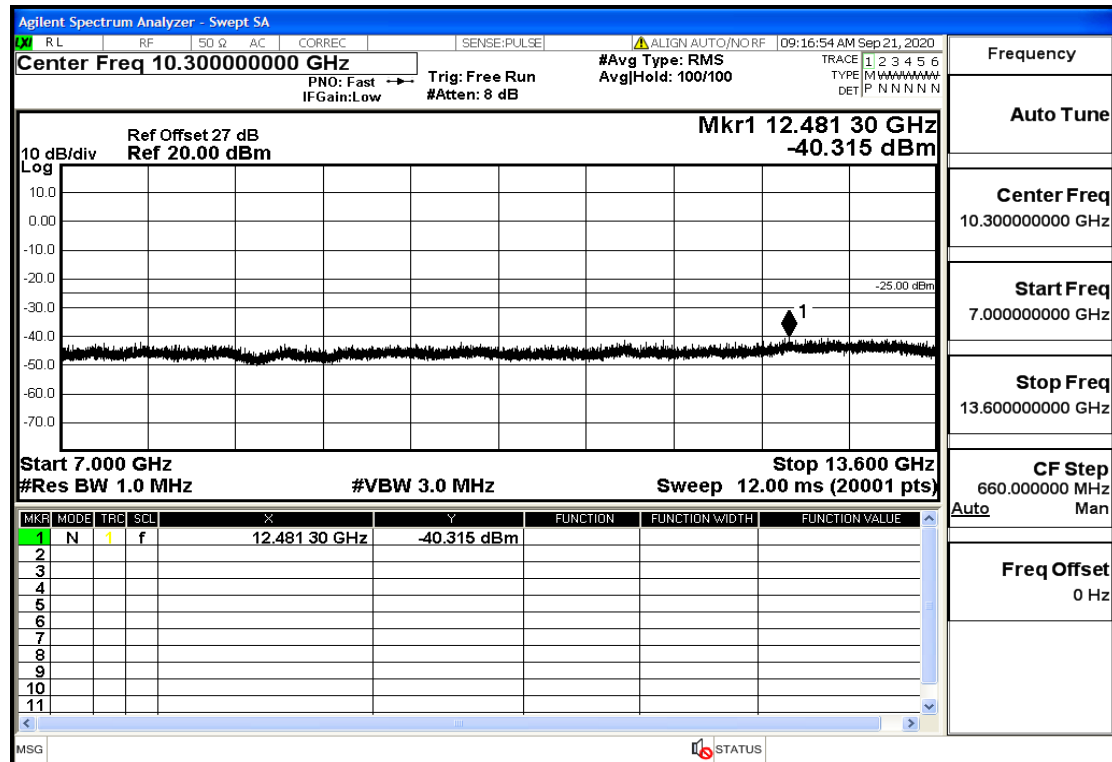
OB7-5-2567.5-QPSK-1#HIGH@30mHz-1GHz@Pass



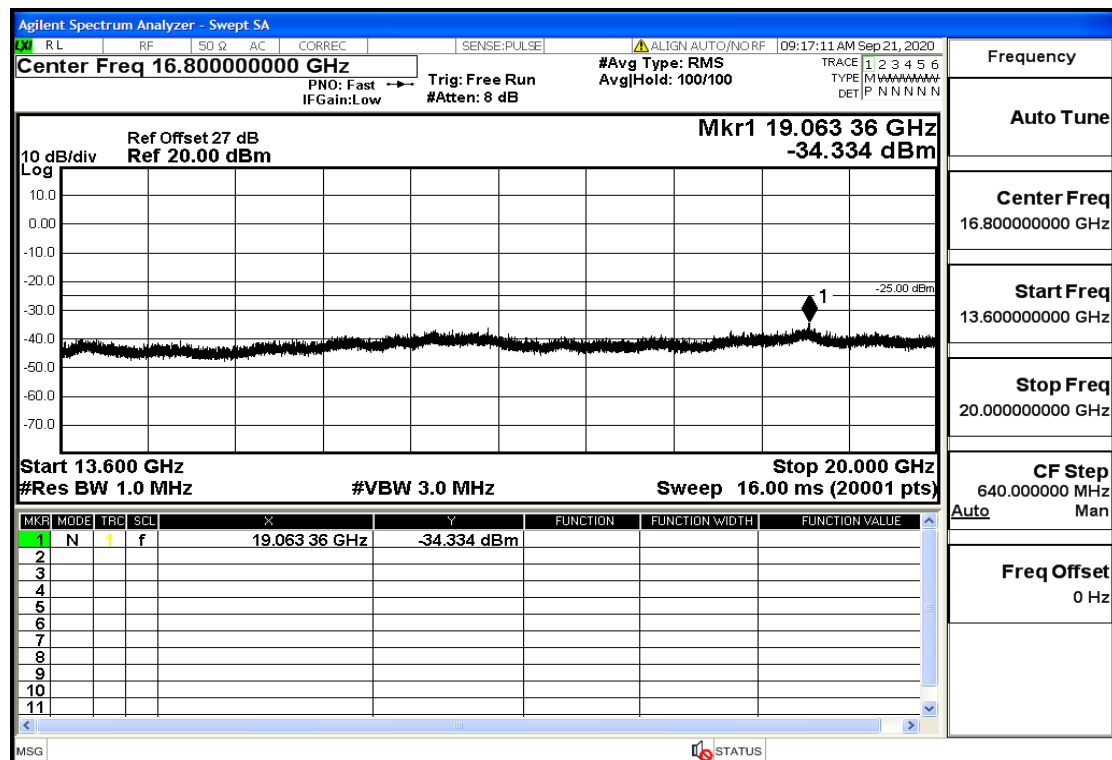
OB7-5-2567.5-QPSK-1#HIGH@1GHz-7GHz@Pass



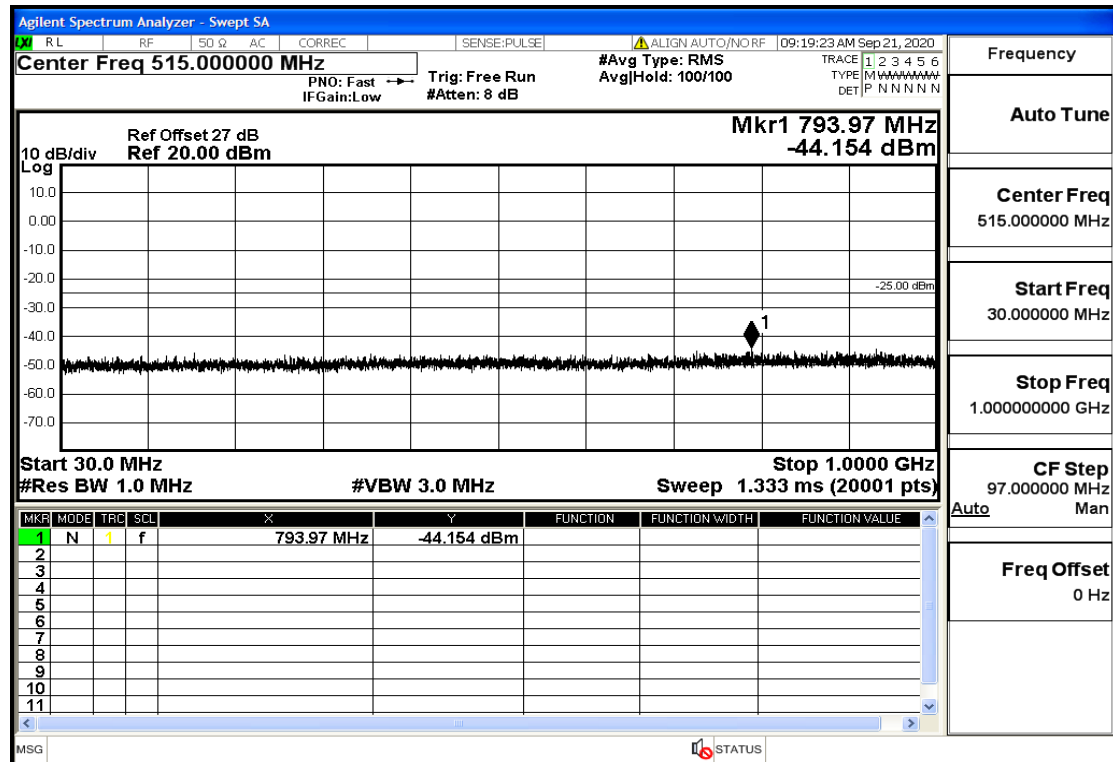
OB7-5-2567.5-QPSK-1#HIGH@7GHz-13.6GHz@Pass



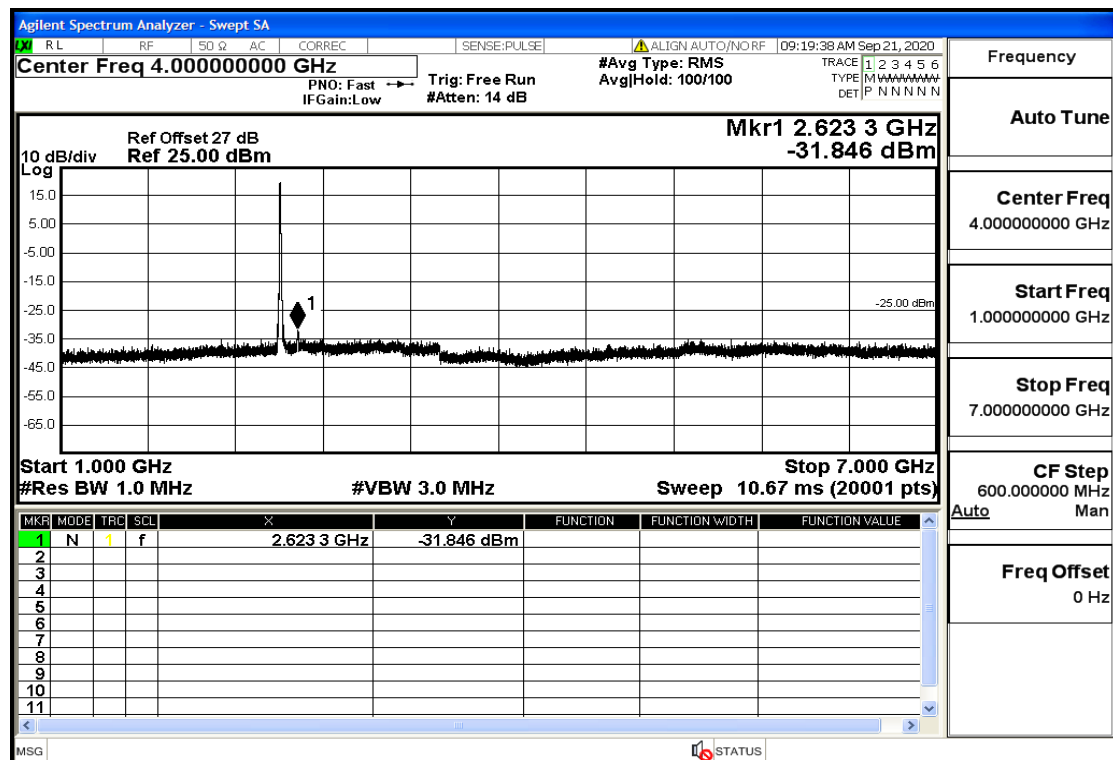
OB7-5-2567.5-QPSK-1#HIGH@13.6GHz-20GHz@Pass



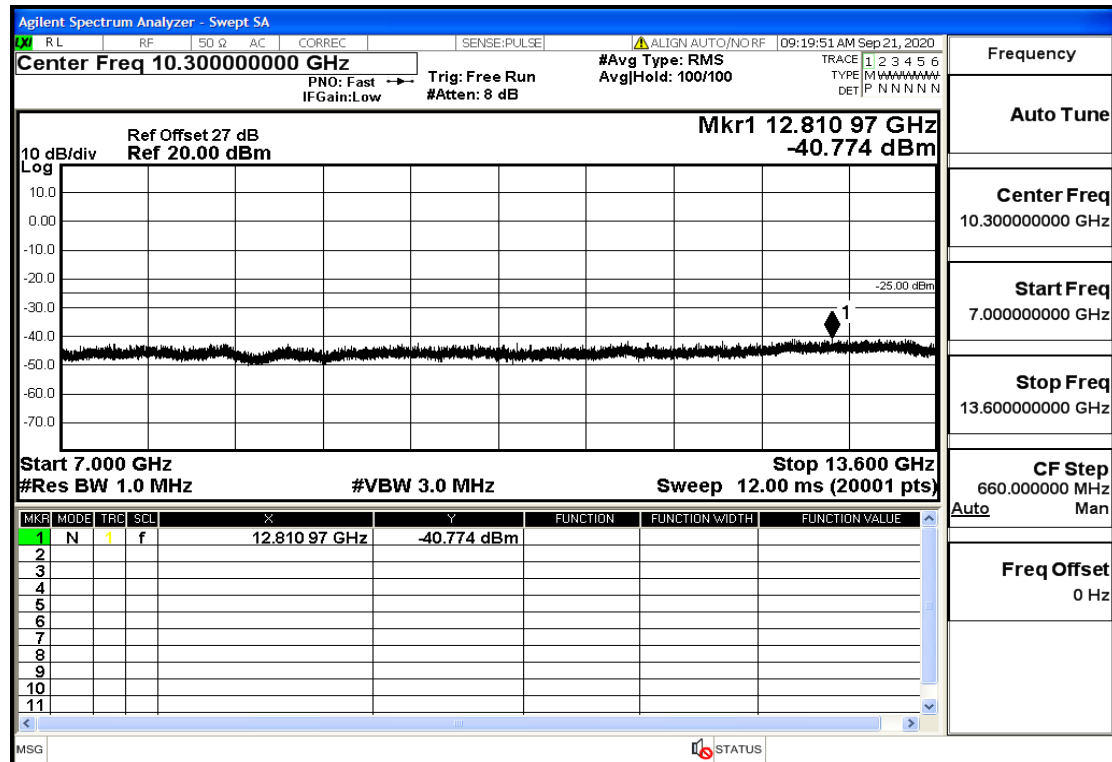
OB7-10-2505-QPSK-50#LOW@30mHz-1GHz@Pass



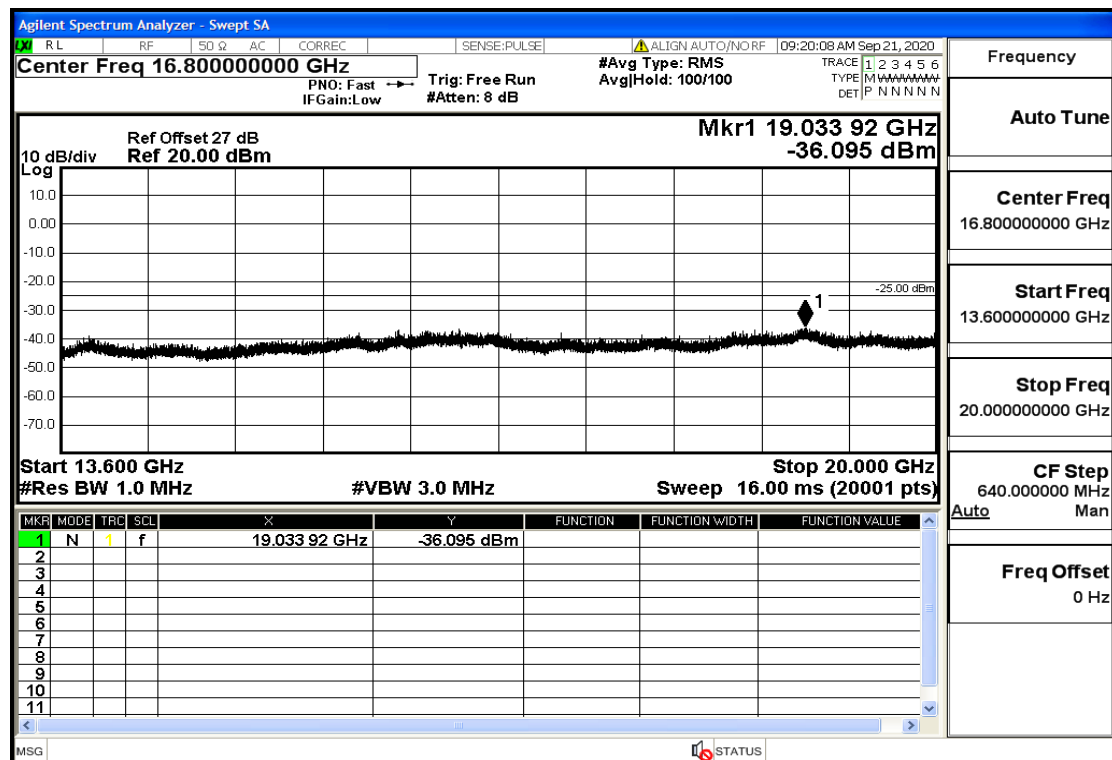
OB7-10-2505-QPSK-50#LOW@1GHz-7GHz@Pass



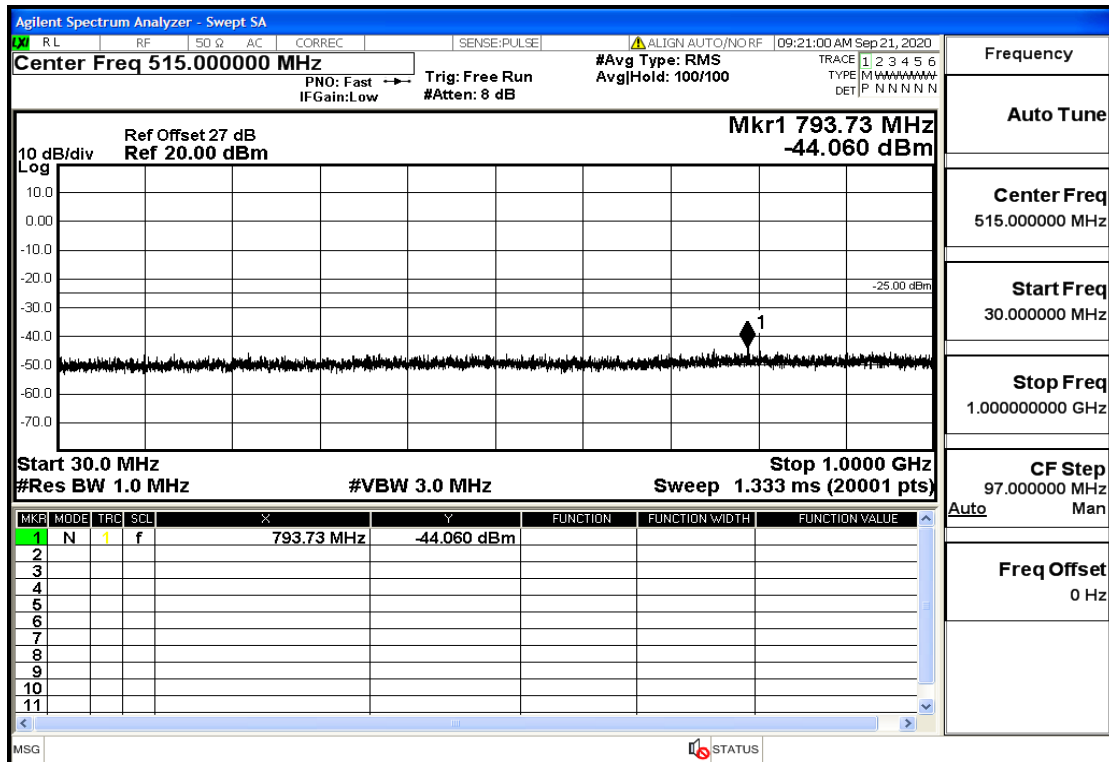
OB7-10-2505-QPSK-50#LOW@7GHz-13.6GHz@Pass



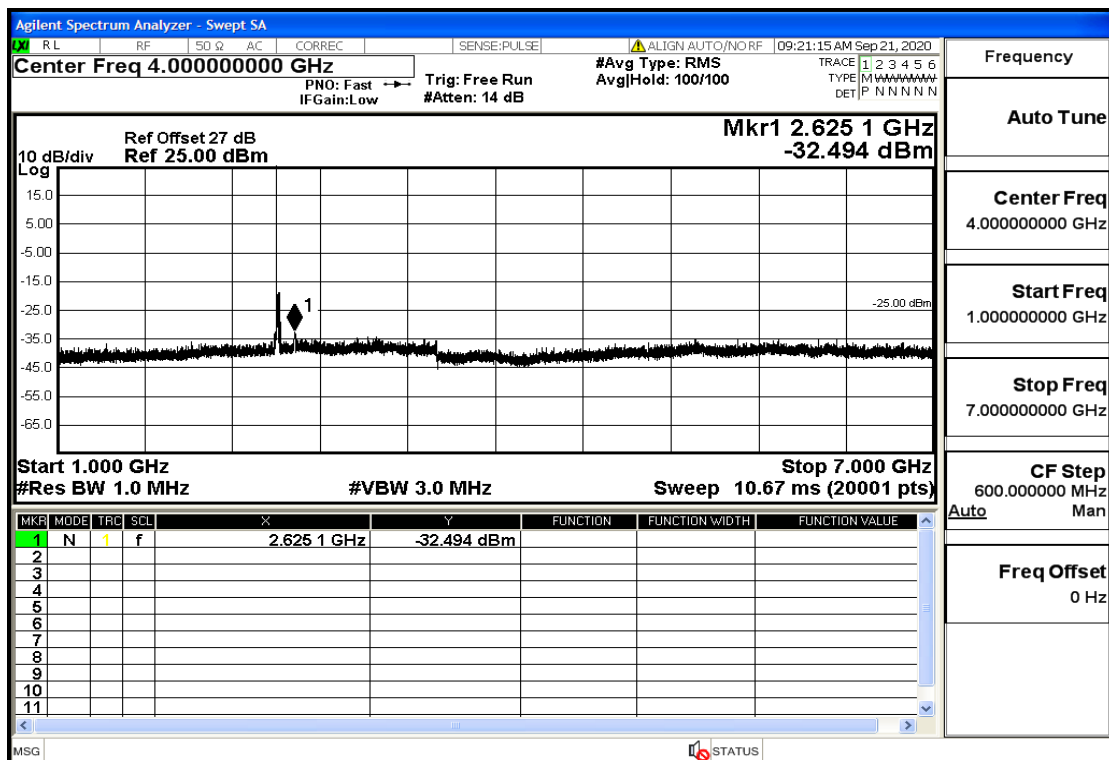
OB7-10-2505-QPSK-50#LOW@13.6GHz-20GHz@Pass



OB7-10-2505-QPSK-1#LOW@30mHz-1GHz@Pass



OB7-10-2505-QPSK-1#LOW@1GHz-7GHz@Pass



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE: PULSE ALIGN AUTO/NORF 09:21:28 AM Sep 21, 2020

Center Freq 10.300000000 GHz

PNO: Fast IFGain: Low Trig: Free Run #Atten: 8 dB #Avg Type: RMS Avg/Hold: 100/100

TRACE 1 2 3 4 5 6 TYPE M N N N N N N N DET P N N N N N N

Ref Offset 27 dB Ref 20.00 dBm Mkr1 13.286 50 GHz -40.454 dBm

10 dB/div Log

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	1	f	13.286 50 GHz	-40.454 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 Man Auto Freq Offset 0 Hz

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE/PULSE ALIGN AUTO/NO RF 09:21:45 AM Sep 21, 2020

Center Freq 16.80000000 GHz PNO: Fast IFGain: Low Trig: Free Run #Atten: 8 dB #Avg Type: RMS Avg/Hold: 100/100

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

Ref Offset 27 dB Ref 20.00 dBm Mkr1 18.969 28 GHz -36.000 dBm

10 dB/div Log

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

MK1	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	18.969 28 GHz	-36.000 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG

Auto Tune

Center Freq 16.80000000 GHz

Start Freq 13.60000000 GHz

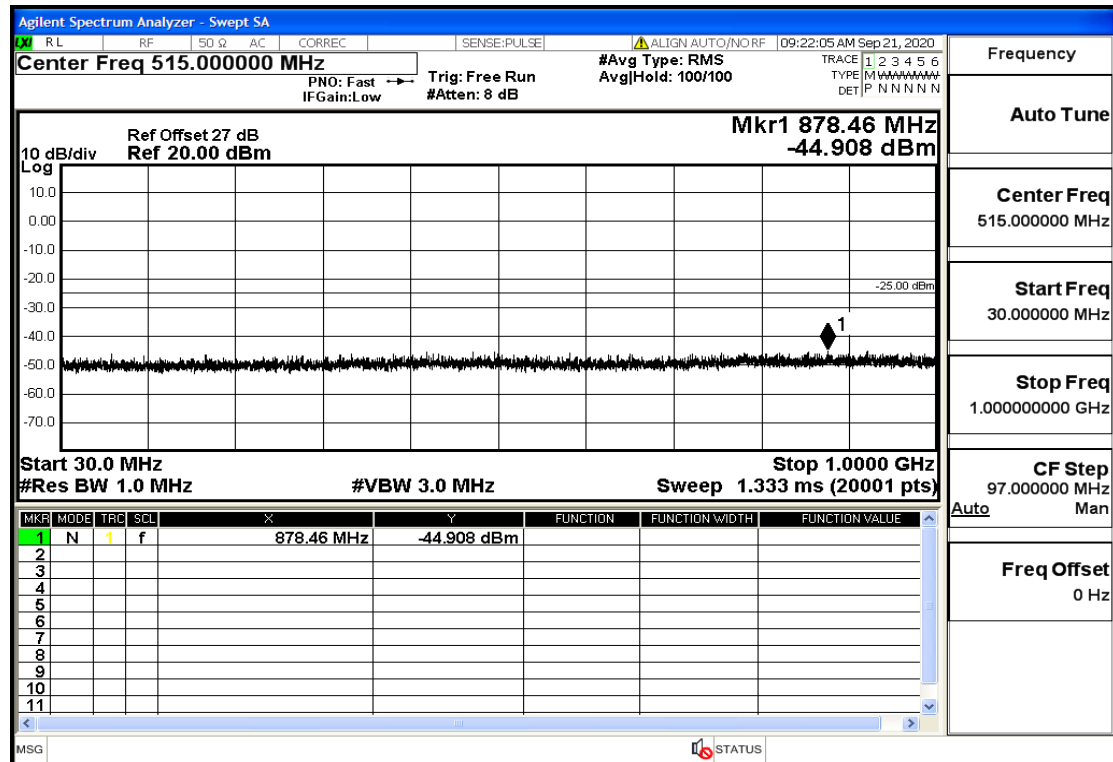
Stop Freq 20.00000000 GHz

CF Step 640.000000 MHz Man

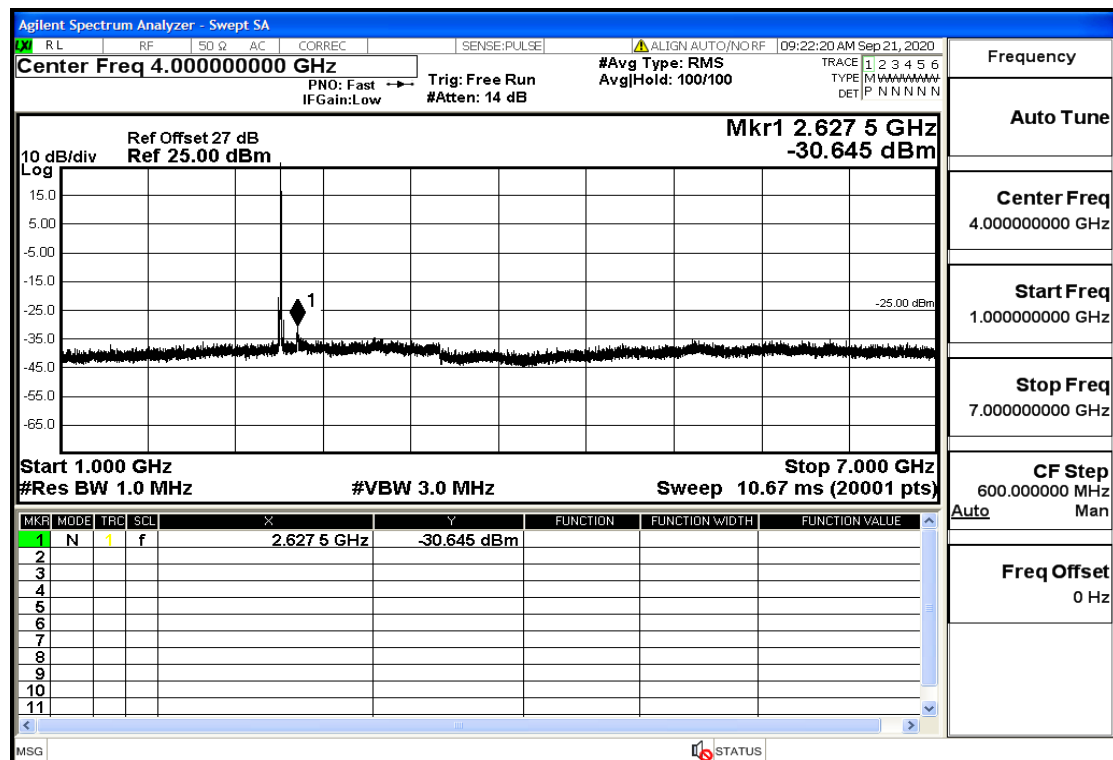
Freq Offset 0 Hz

STATUS

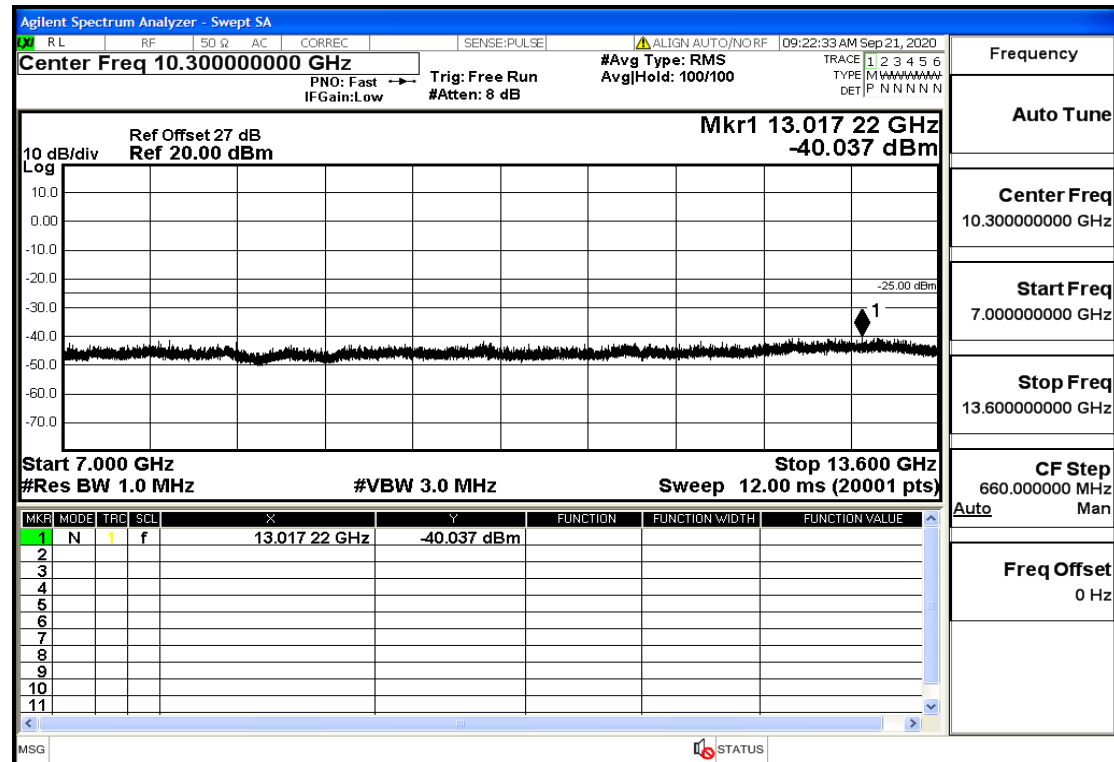
OB7-10-2505-QPSK-1#HIGH@30mHz-1GHz@Pass



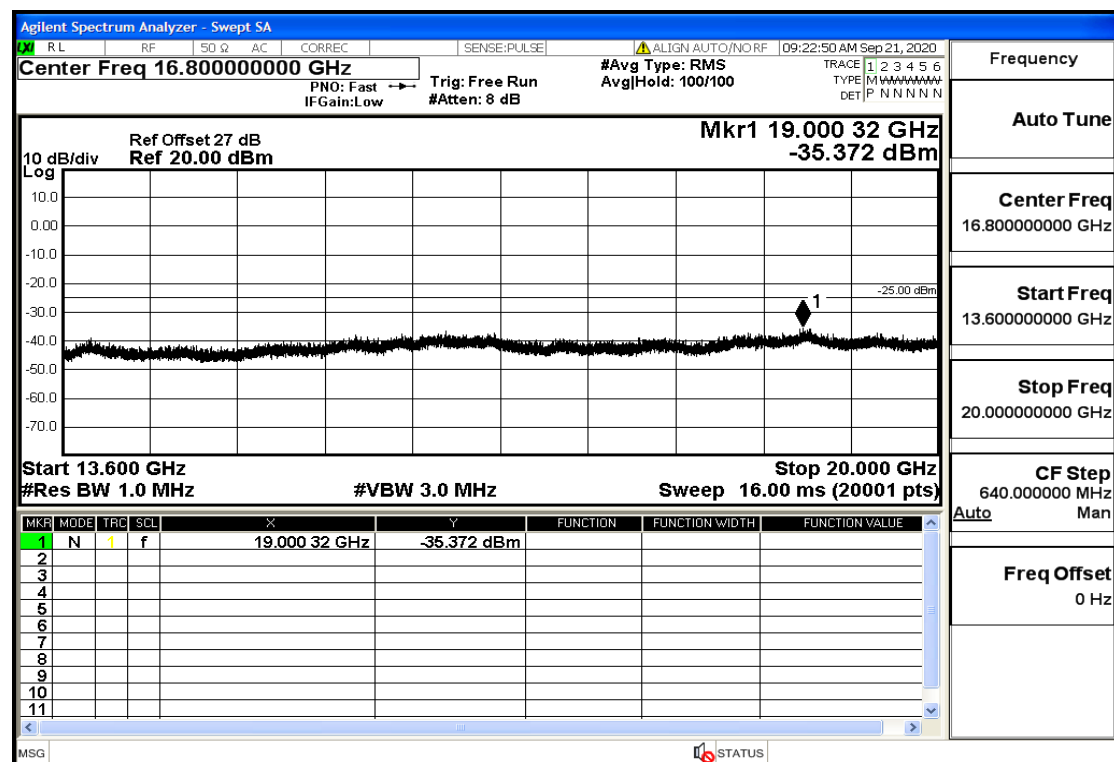
OB7-10-2505-QPSK-1#HIGH@1GHz-7GHz@Pass



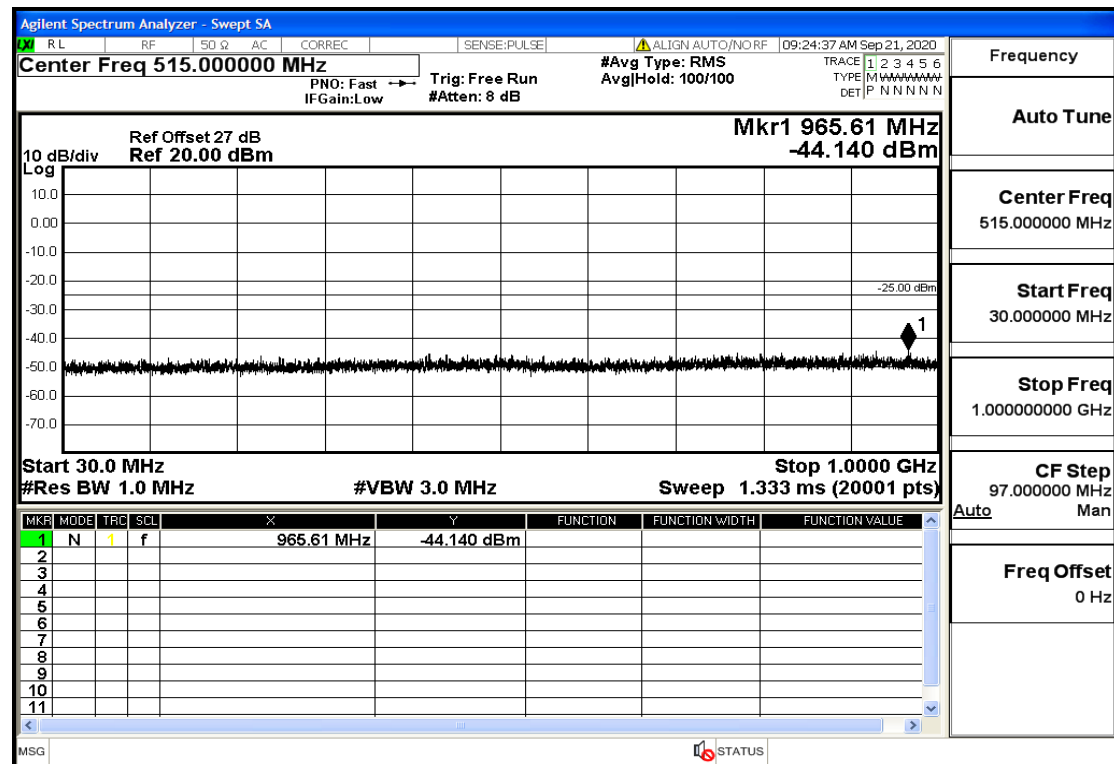
OB7-10-2505-QPSK-1#HIGH@7GHz-13.6GHz@Pass



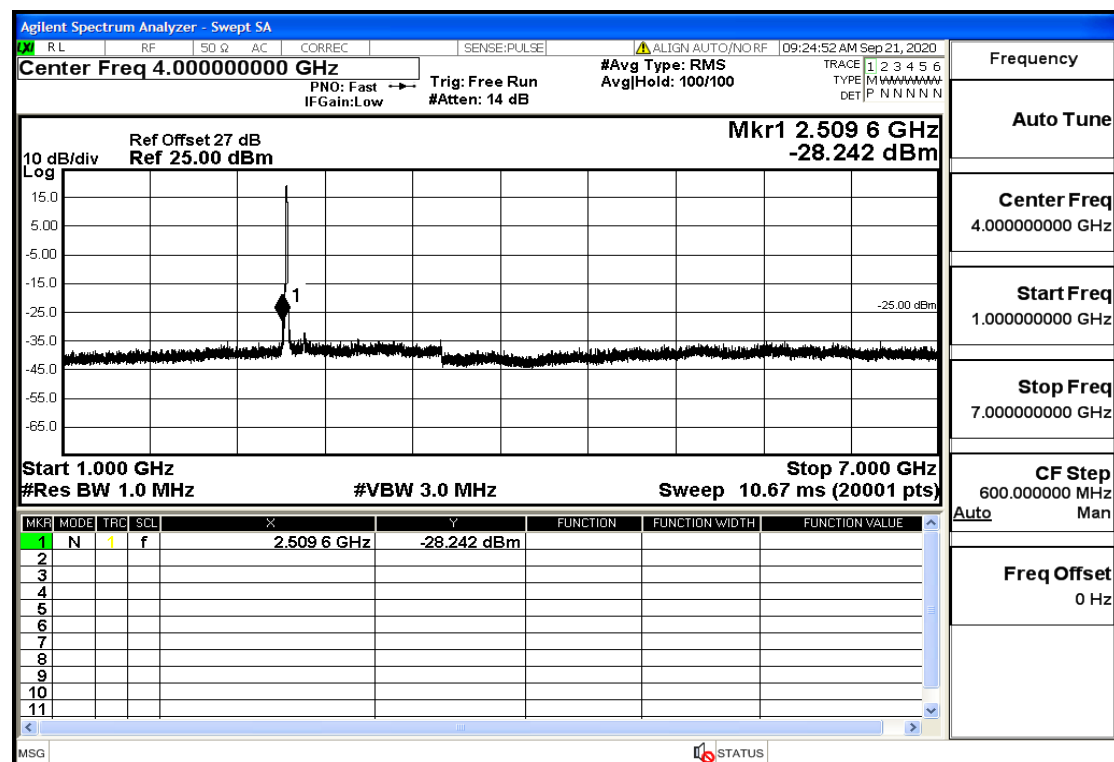
OB7-10-2505-QPSK-1#HIGH@13.6GHz-20GHz@Pass



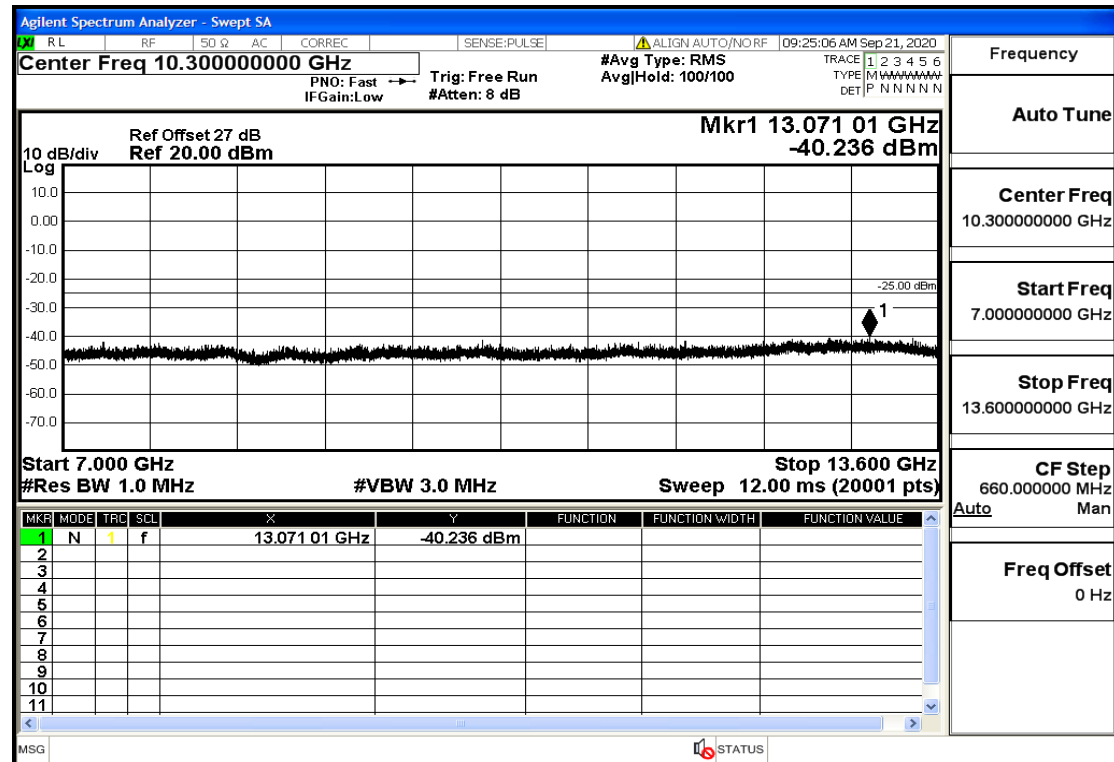
OB7-10-2535-QPSK-50#LOW@30mHz-1GHz@Pass



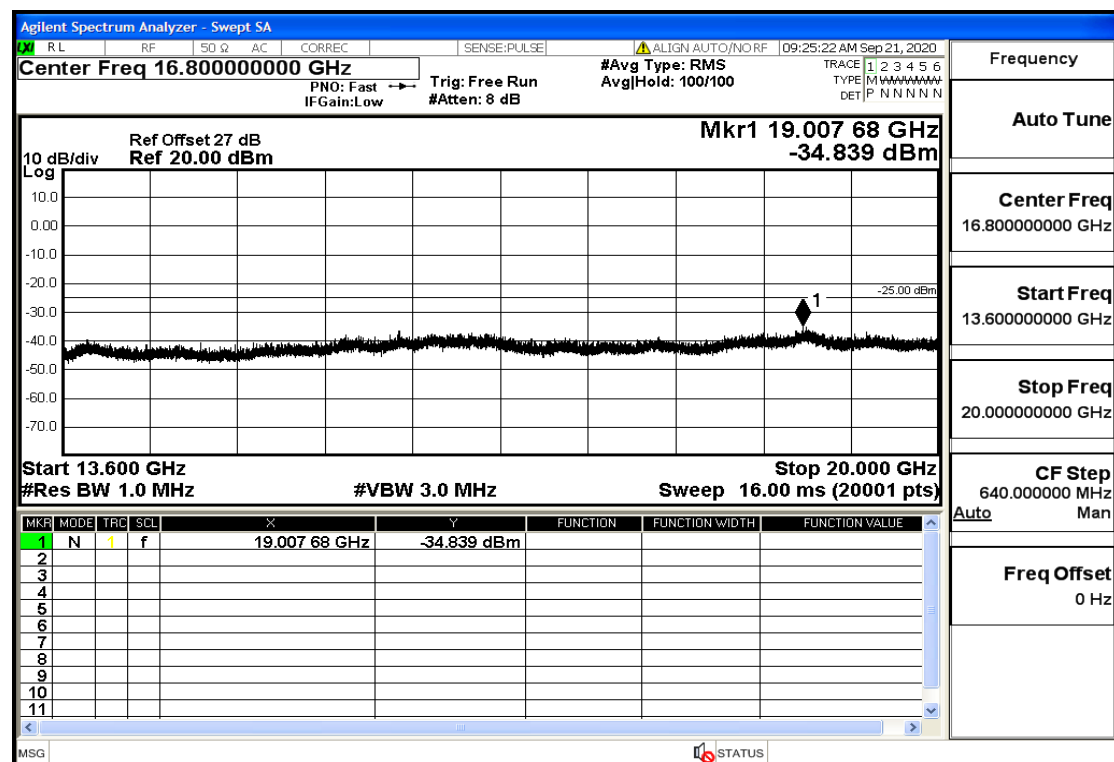
OB7-10-2535-QPSK-50#LOW@1GHz-7GHz@Pass



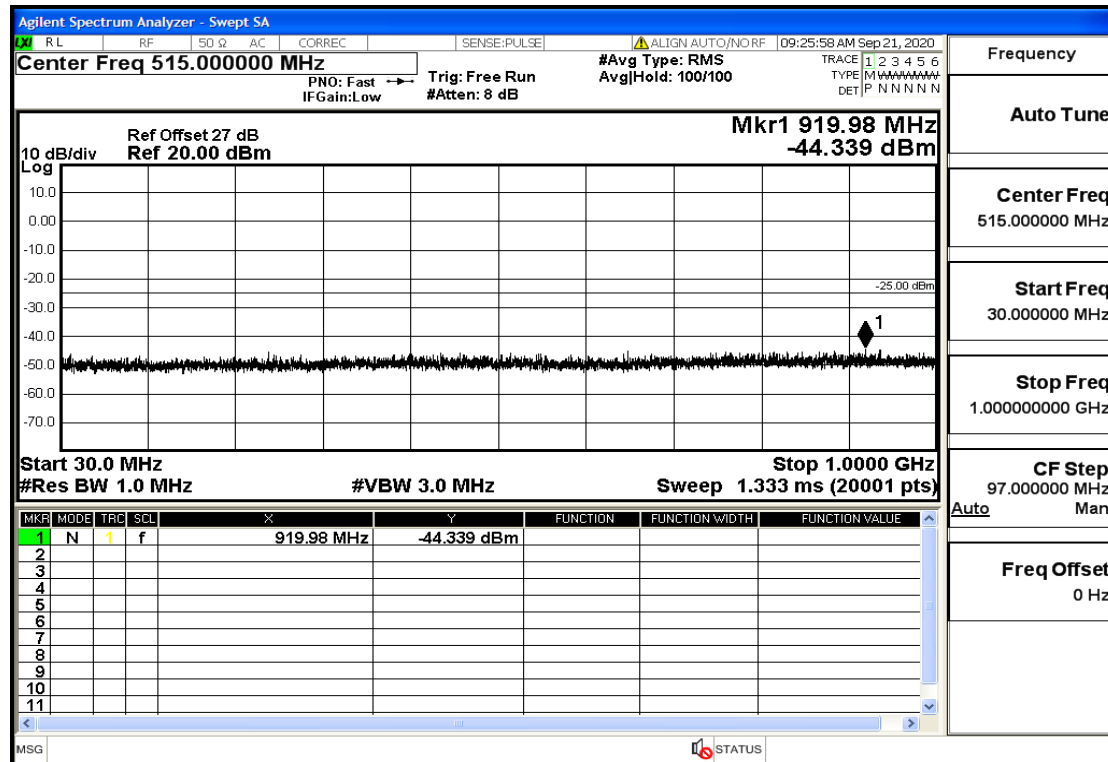
OB7-10-2535-QPSK-50#LOW@7GHz-13.6GHz@Pass



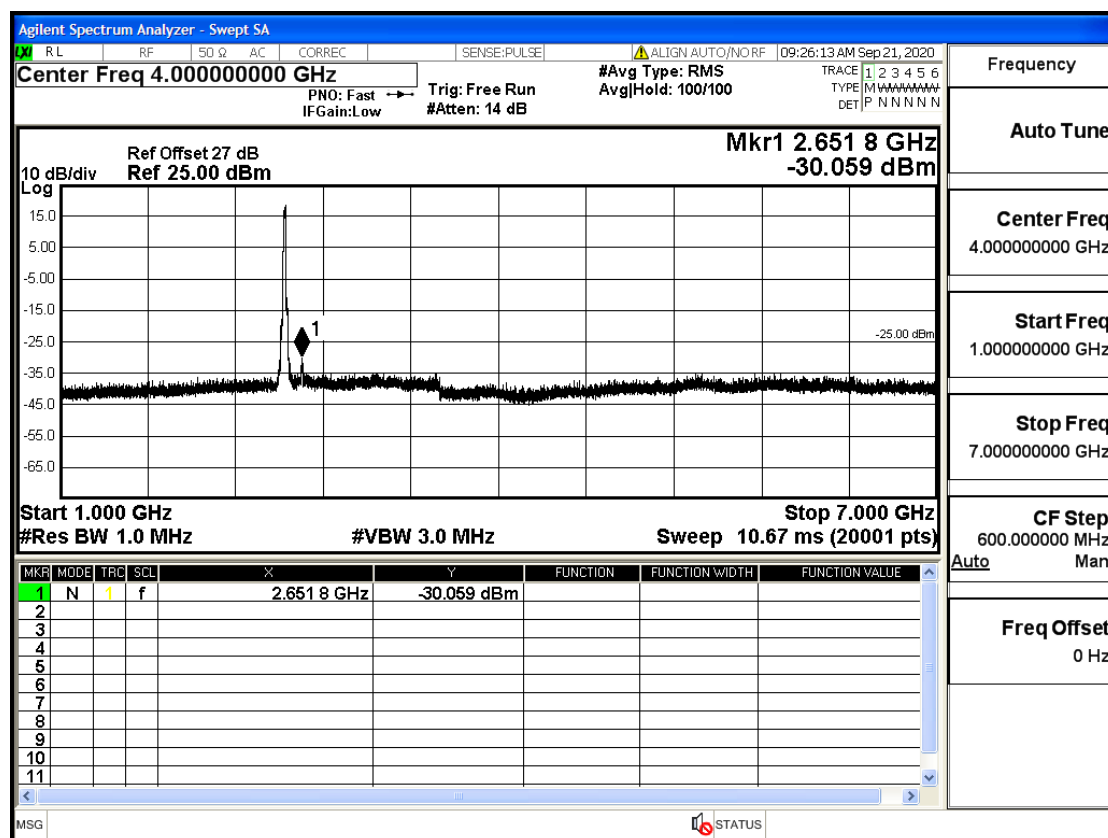
OB7-10-2535-QPSK-50#LOW@13.6GHz-20GHz@Pass



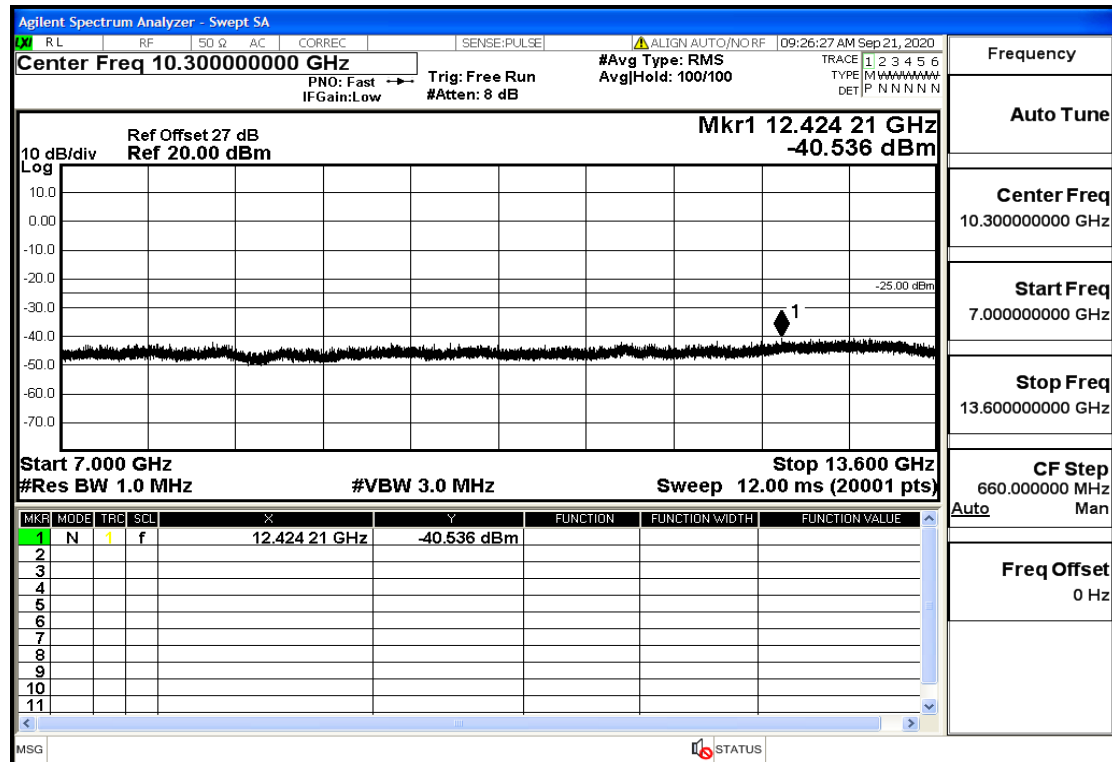
OB7-10-2535-QPSK-1#LOW@30mHz-1GHz@Pass



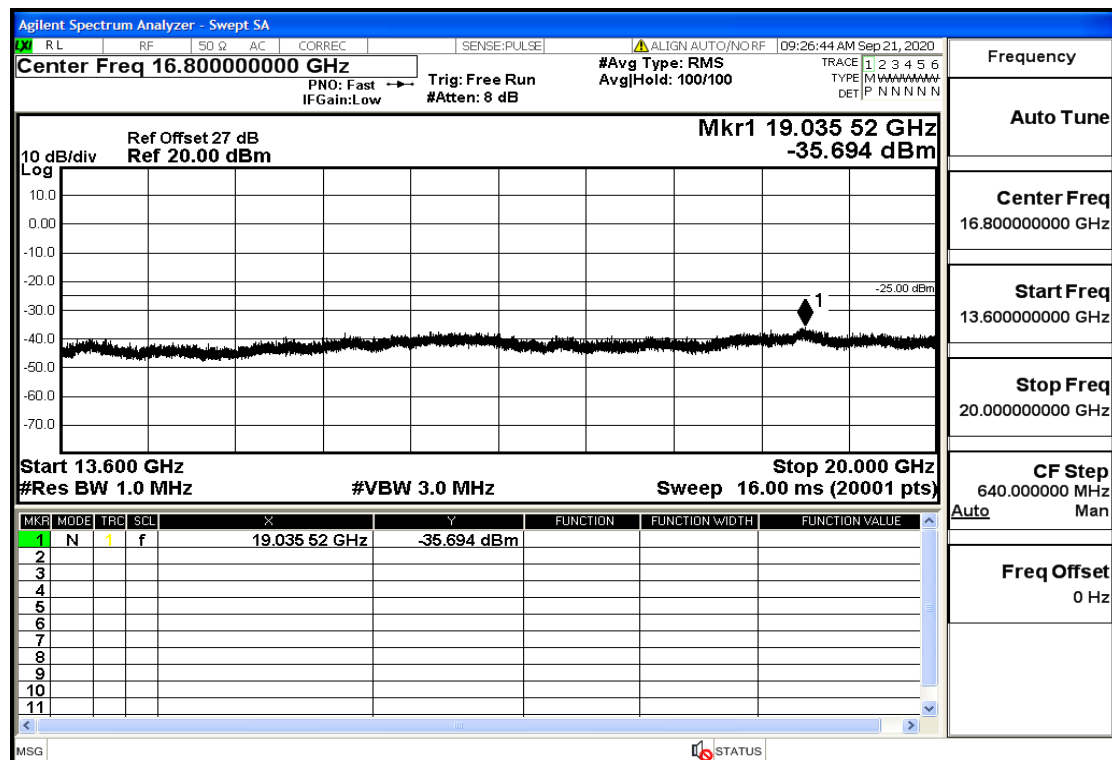
OB7-10-2535-QPSK-1#LOW@1GHz-7GHz@Pass



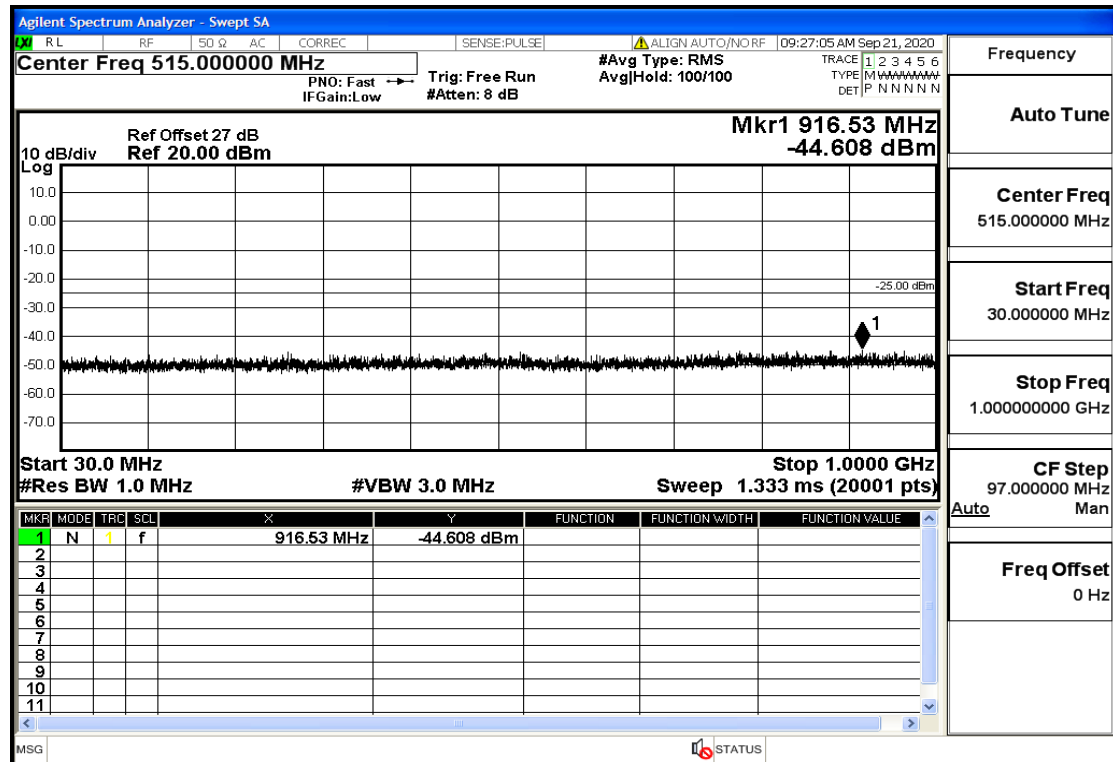
OB7-10-2535-QPSK-1#LOW@7GHz-13.6GHz@Pass



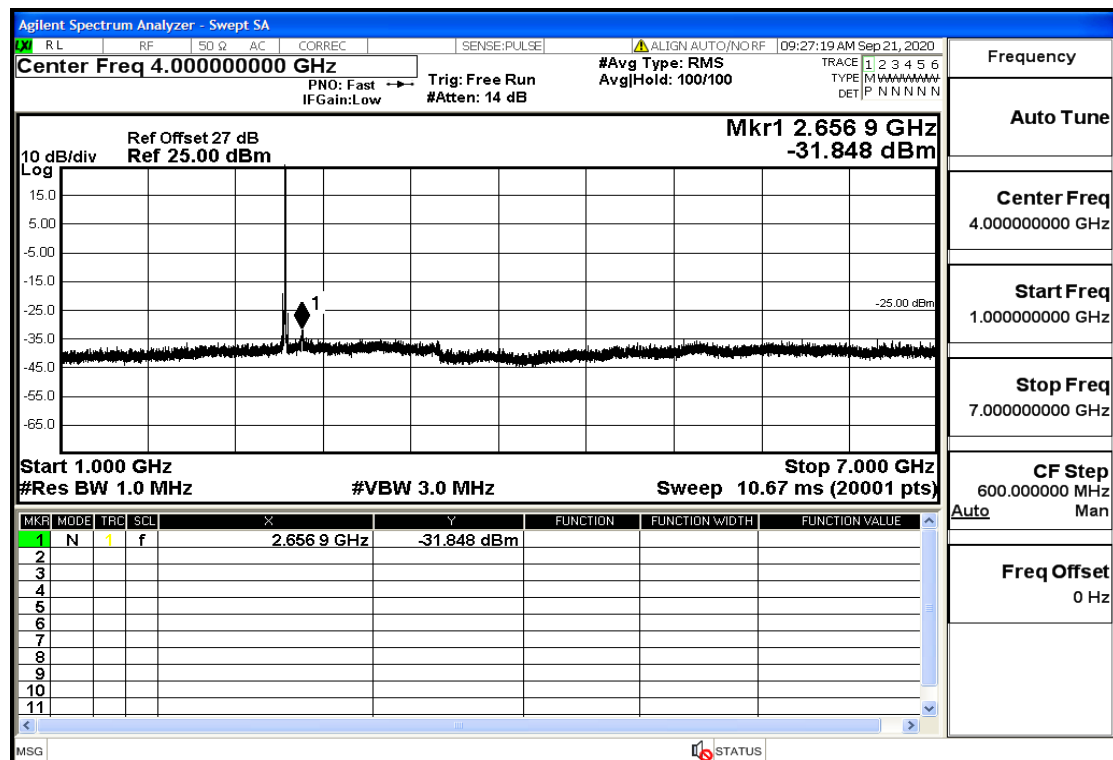
OB7-10-2535-QPSK-1#LOW@13.6GHz-20GHz@Pass



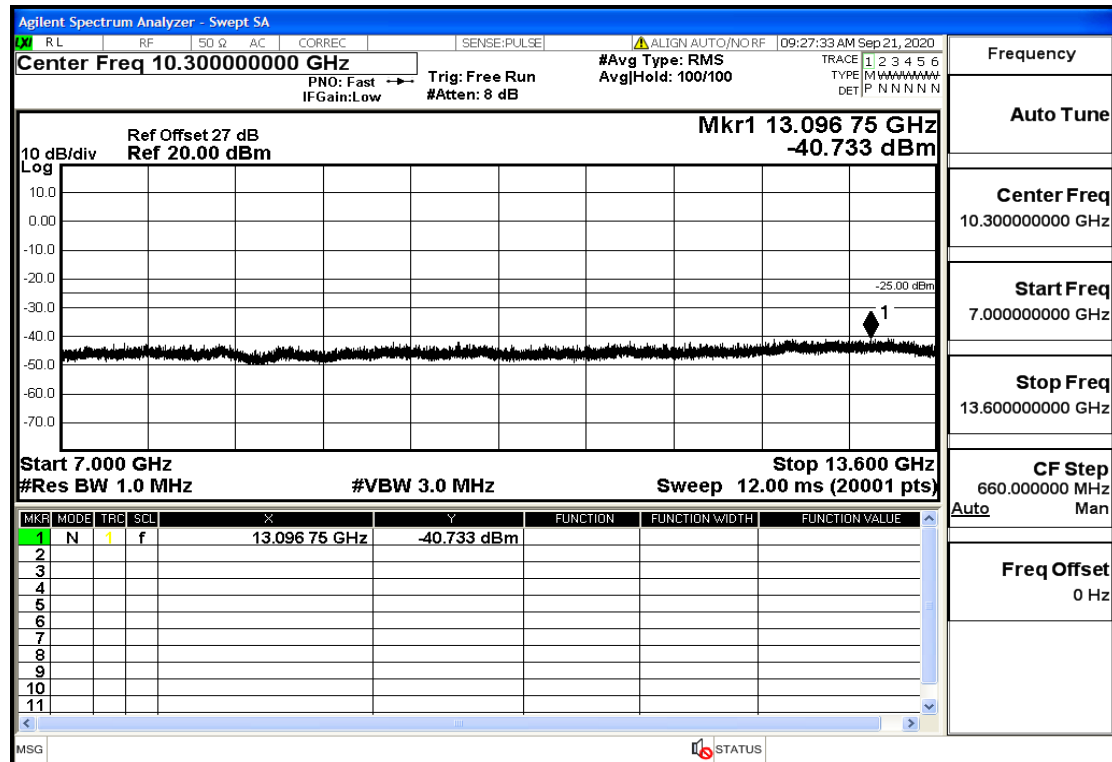
OB7-10-2535-QPSK-1#HIGH@30mHz-1GHz@Pass



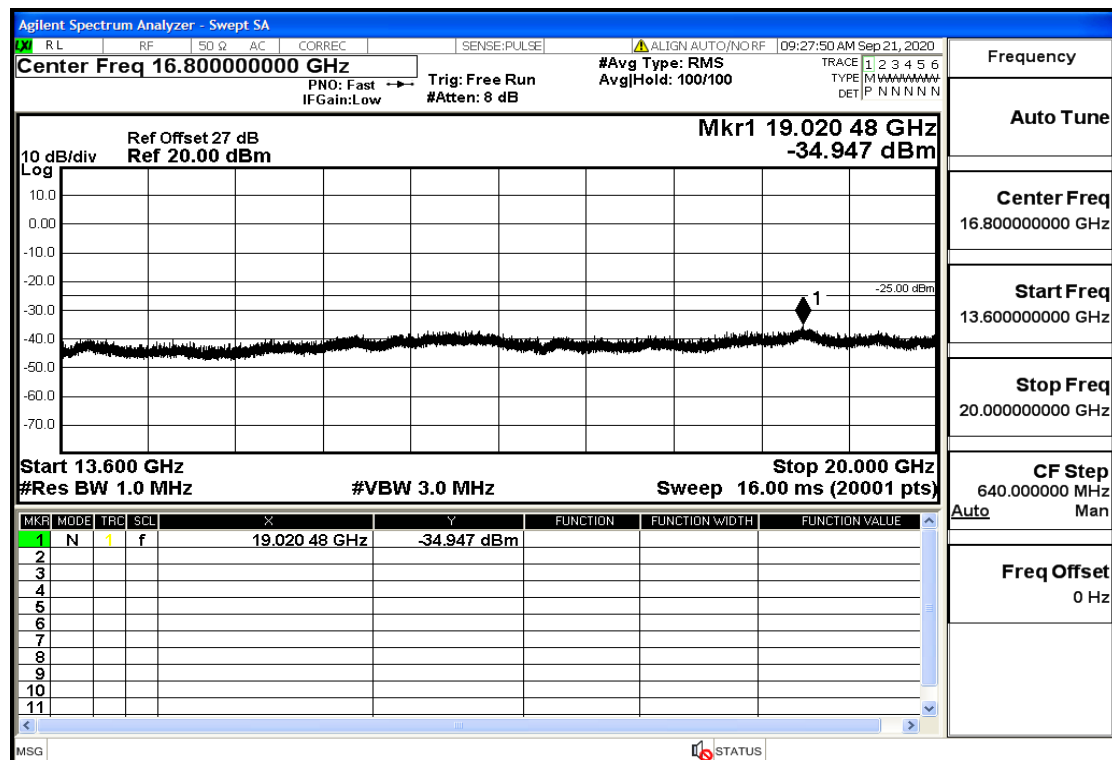
OB7-10-2535-QPSK-1#HIGH@1GHz-7GHz@Pass



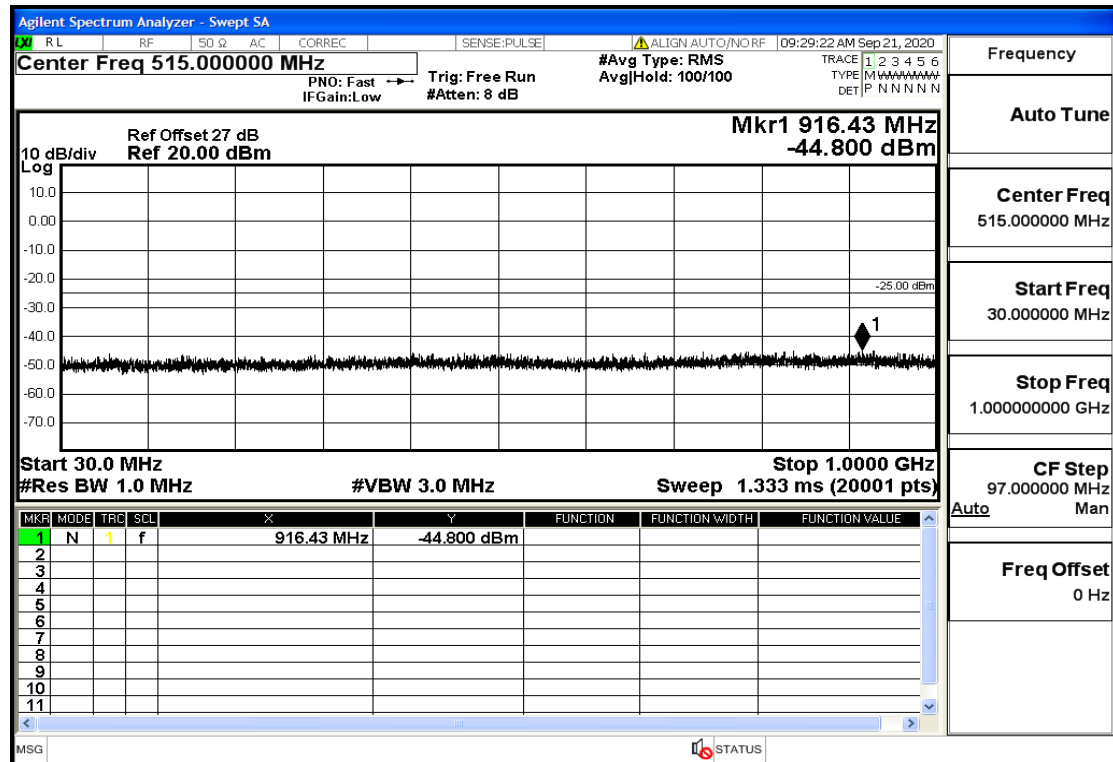
OB7-10-2535-QPSK-1#HIGH@7GHz-13.6GHz@Pass



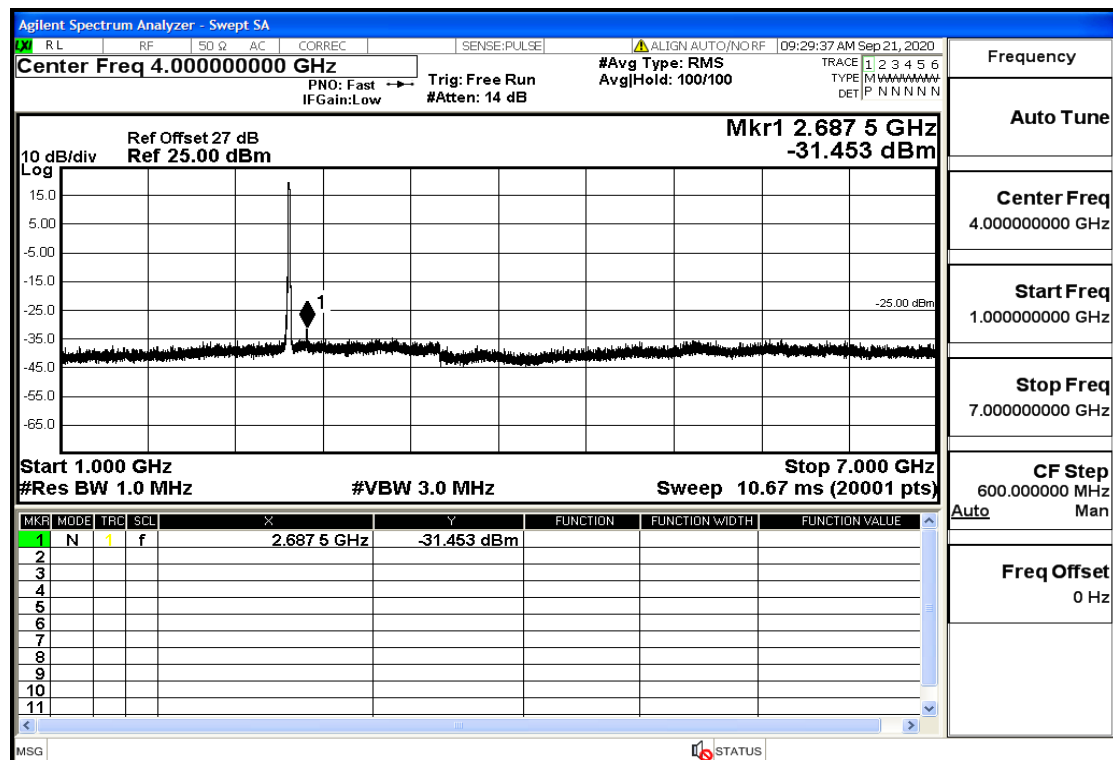
OB7-10-2535-QPSK-1#HIGH@13.6GHz-20GHz@Pass



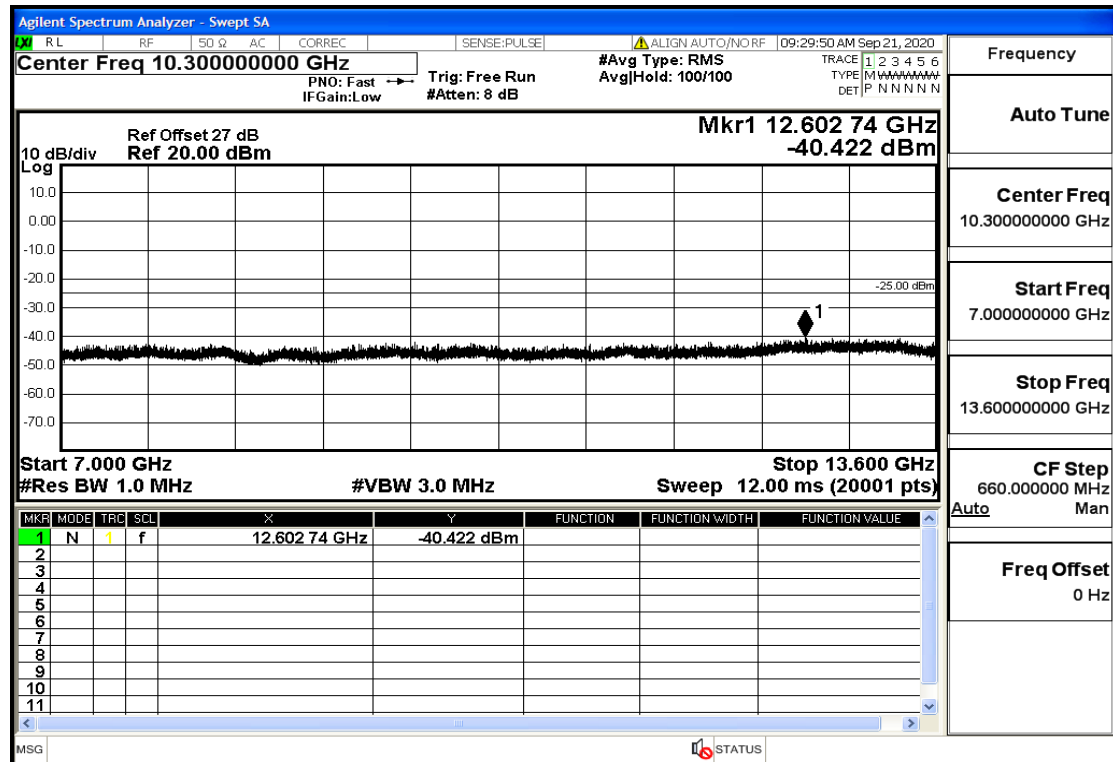
OB7-10-2565-QPSK-50#LOW@30mHz-1GHz@Pass



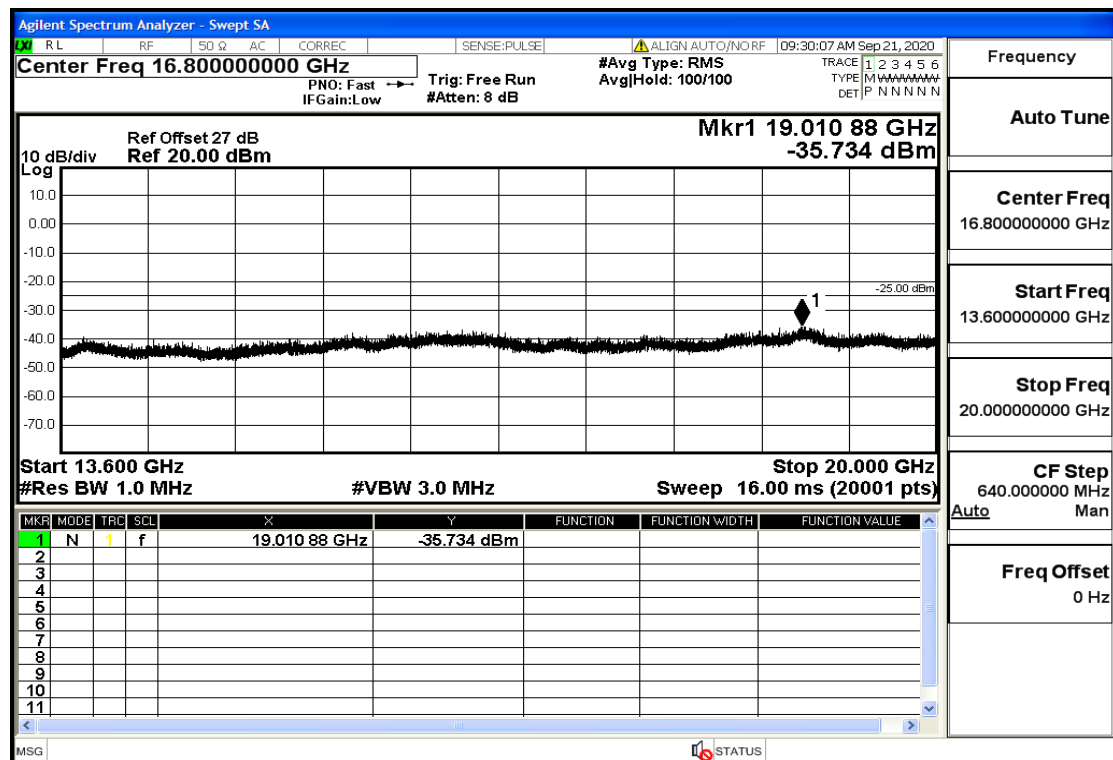
OB7-10-2565-QPSK-50#LOW@1GHz-7GHz@Pass



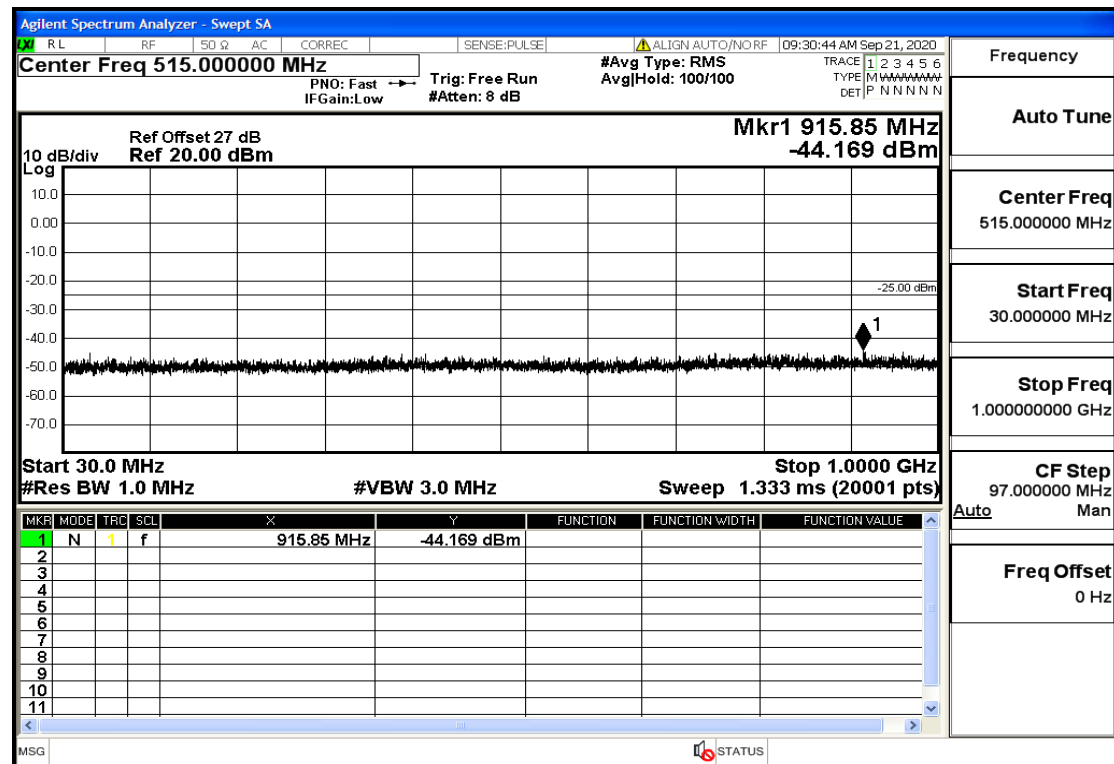
OB7-10-2565-QPSK-50#LOW@7GHz-13.6GHz@Pass



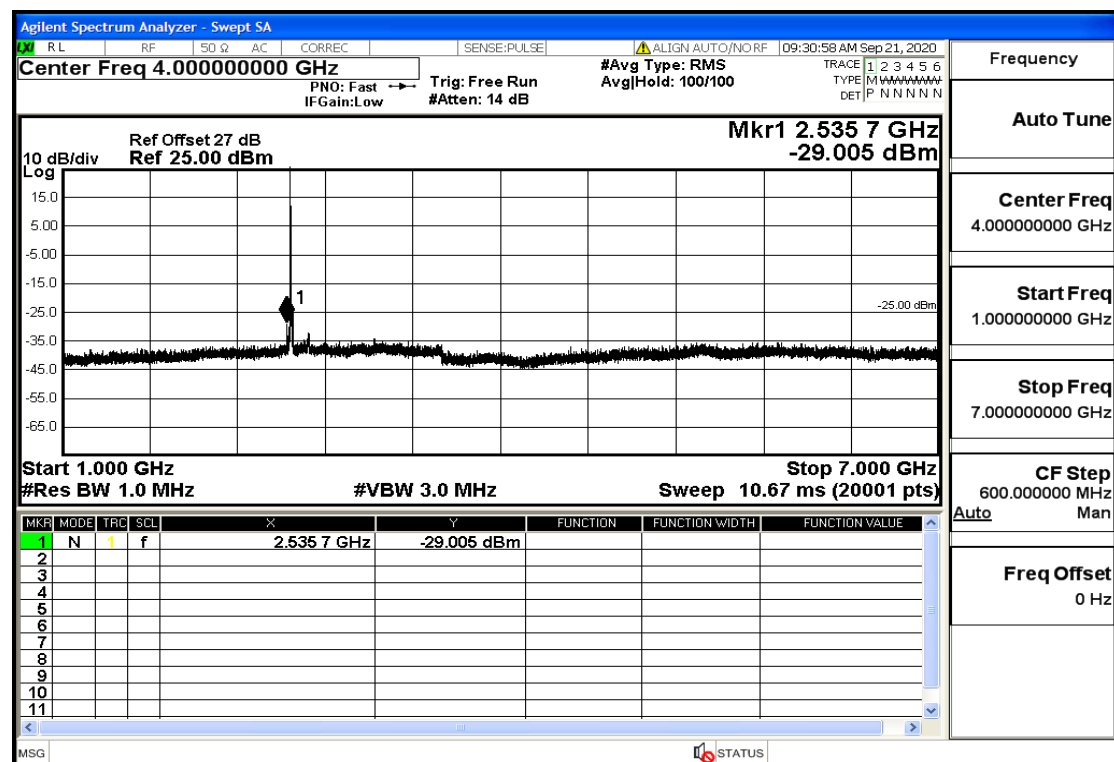
OB7-10-2565-QPSK-50#LOW@13.6GHz-20GHz@Pass



OB7-10-2565-QPSK-1#LOW@30mHz-1GHz@Pass



OB7-10-2565-QPSK-1#LOW@1GHz-7GHz@Pass



[illegible]

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE/PULSE ALIGN AUTO/NO RF 09:31:28 AM Sep 21, 2020

Center Freq 16.80000000 GHz

PNO: Fast IFGain: Low Trig: Free Run #Atten: 8 dB #Avg Type: RMS Avg/Hold: 100/100

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

Ref Offset 27 dB Ref 20.00 dBm Mkr1 16.300 16 GHz -35.226 dBm

10 dB/div Log

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

MARK	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	16.300 16 GHz	-35.226 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG

Auto Tune

Center Freq 16.80000000 GHz

Start Freq 13.60000000 GHz

Stop Freq 20.00000000 GHz

CF Step 640.000000 MHz Man

Freq Offset 0 Hz

STATUS

[illegible]

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE:PULSE ALIGN AUTO/NO RF 09:32:21 AM Sep 21, 2020

Center Freq 4.00000000 GHz PNO: Fast IFGain:Low Trig: Free Run #Atten: 14 dB #Avg Type: RMS Avg/Hold: 100/100

TRACE 1 2 3 4 5 6 TYPE M W U I N N N N N N DET P N N N N N N

Ref Offset 27 dB Mkr1 2.687 5 GHz
Ref 25.00 dBm -33.002 dBm

10 dB/div Log

Start 1.000 GHz Stop 7.000 GHz
#Res BW 1.0 MHz #VBW 3.0 MHz Sweep 10.67 ms (20001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.687 5 GHz	-33.002 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG

66 STATUS

Frequency

Auto Tune

Center Freq
4.00000000 GHz

Start Freq
1.00000000 GHz

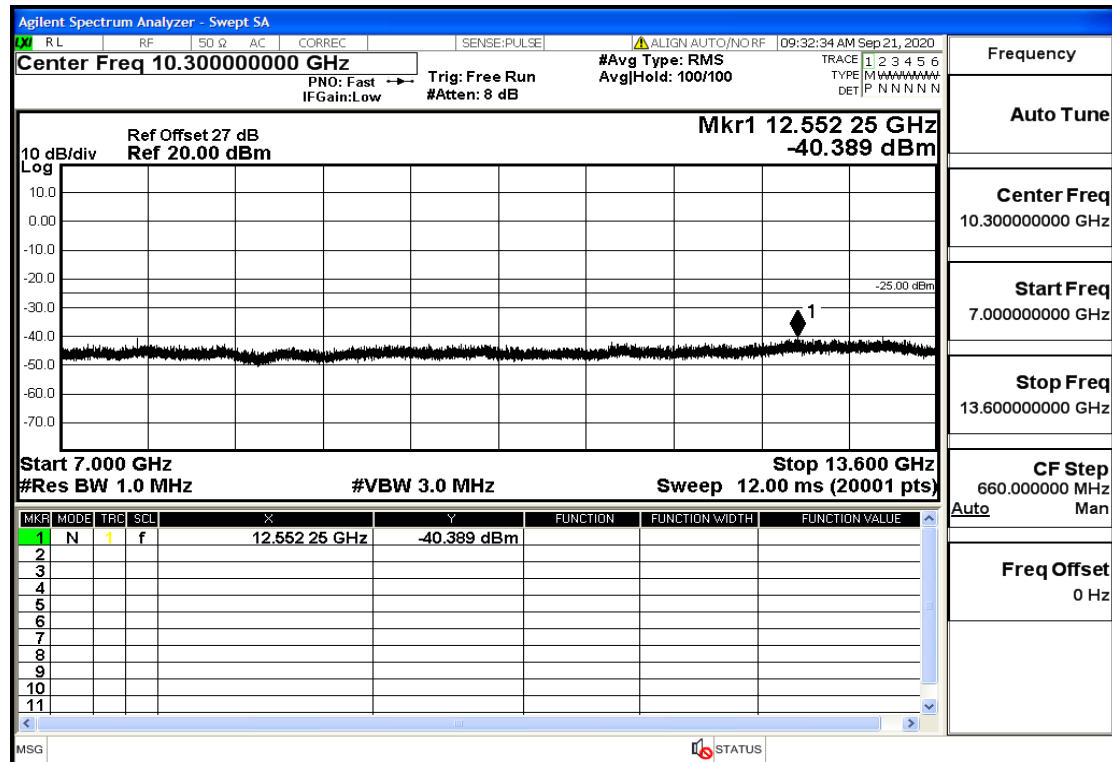
Stop Freq
7.00000000 GHz

CF Step
600.00000 MHz
Man

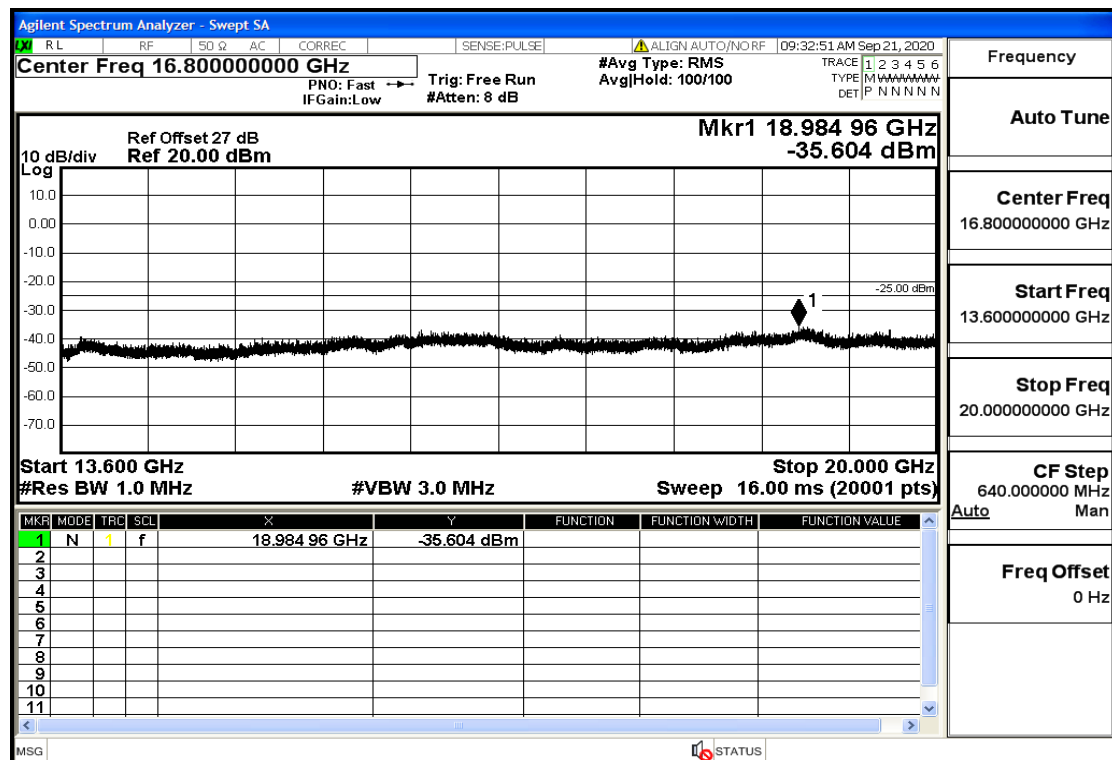
Auto

Freq Offset
0 Hz

OB7-10-2565-QPSK-1#HIGH@7GHz-13.6GHz@Pass



OB7-10-2565-QPSK-1#HIGH@13.6GHz-20GHz@Pass



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC CORREC SENSE:PULSE ALN AUTO/NO RF 09:35:03 AM Sep 21, 2020

Center Freq 515.000000 MHz

PNO: Fast IFGain:Low Trig: Free Run #Atten: 8 dB #Avg Type: RMS Avg/Hold: 100/100

TRACE 1 2 3 4 5 6 TYPE M N N N N N N DET P N N N N N N

Ref Offset 27 dB Ref 20.00 dBm Mkr1 782.96 MHz -44.256 dBm

10 dB/div Log

Start 30.0 MHz Stop 1.0000 GHz

#Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.333 ms (20001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	782.96 MHz	-44.256 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency Auto Tune

Center Freq 515.000000 MHz

Start Freq 30.000000 MHz

Stop Freq 1.00000000 GHz

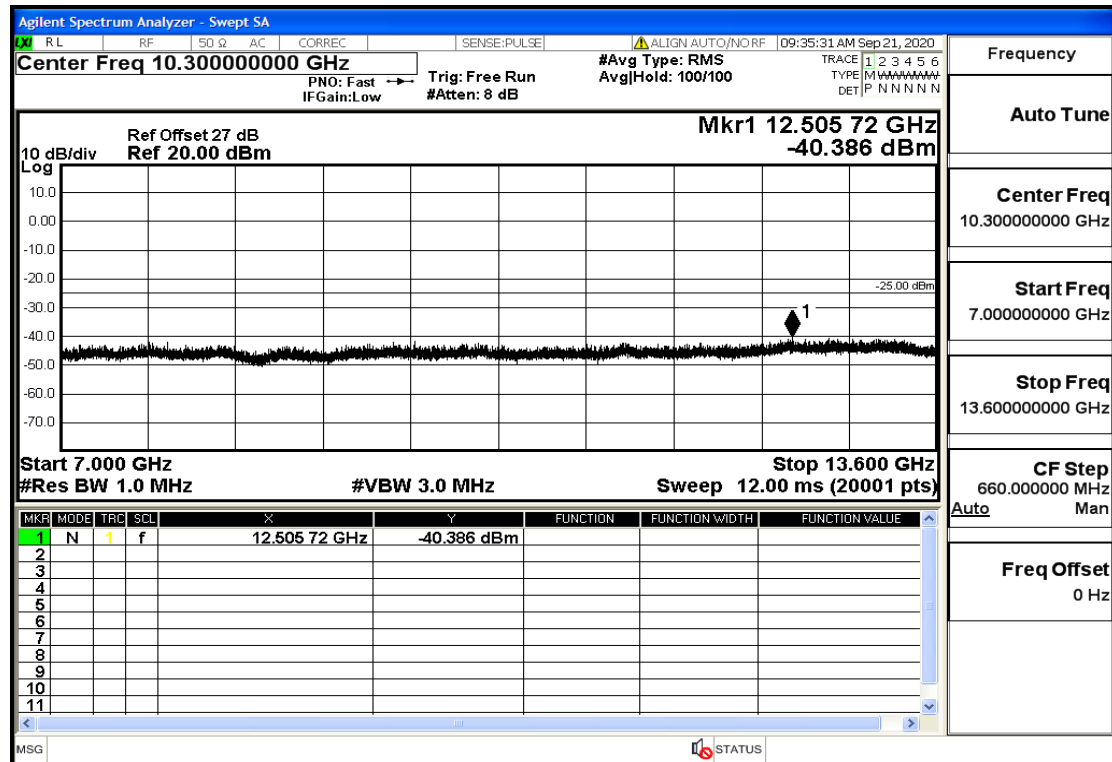
CF Step 97.000000 MHz Man

Auto

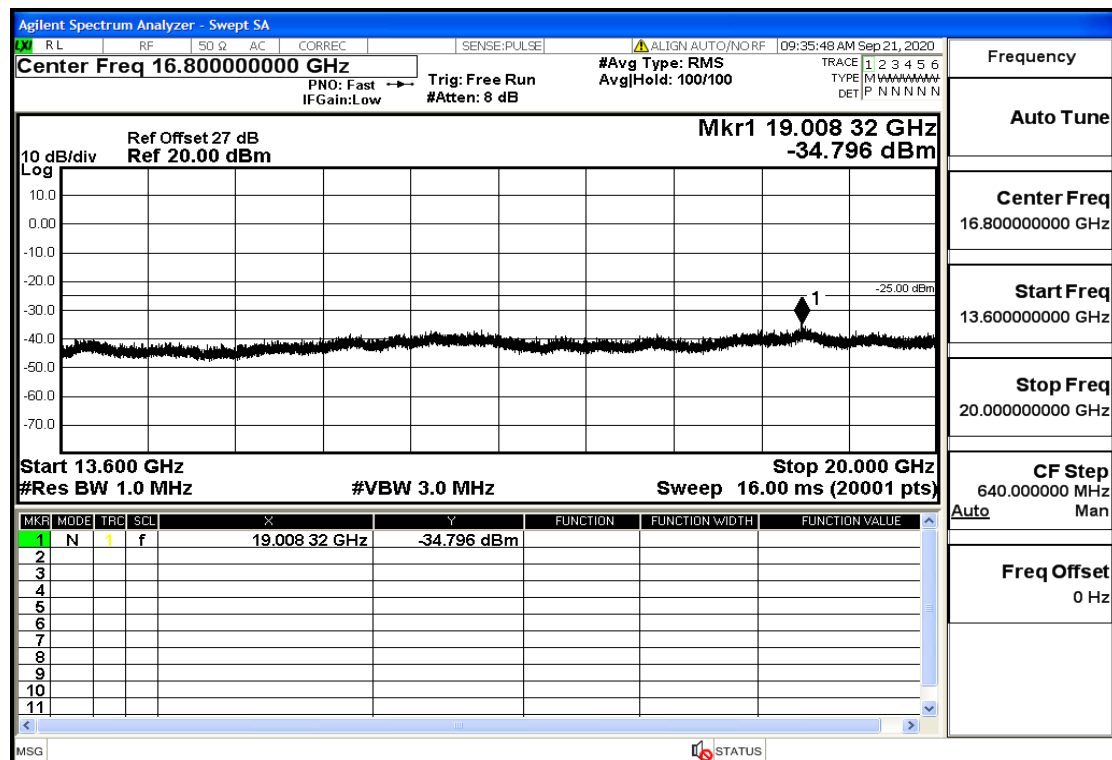
Freq Offset 0 Hz

[illegible]

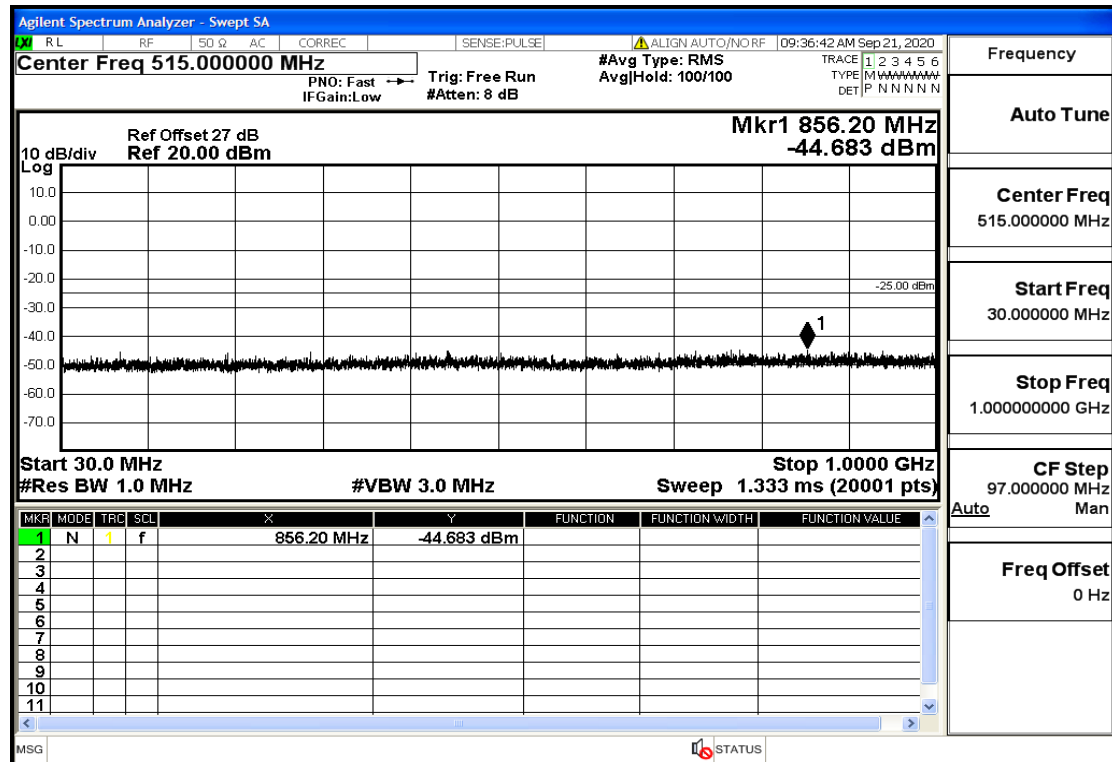
OB7-15-2507.5-QPSK-75#LOW@7GHz-13.6GHz@Pass



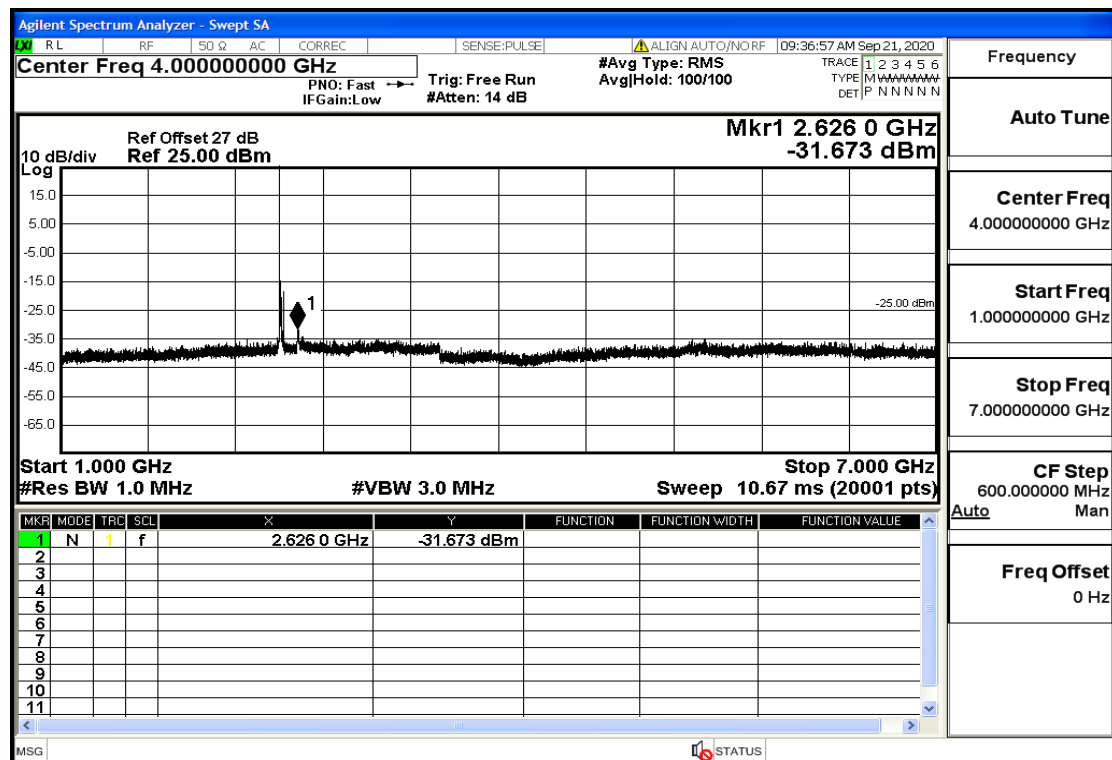
OB7-15-2507.5-QPSK-75#LOW@13.6GHz-20GHz@Pass



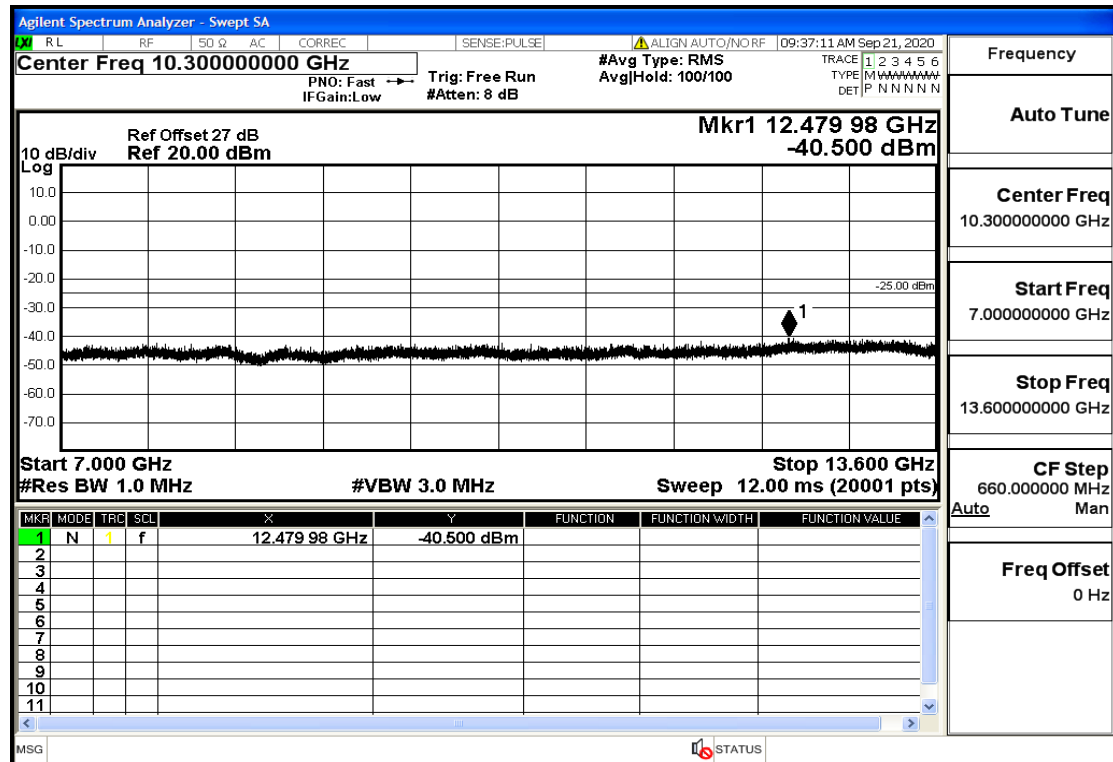
OB7-15-2507.5-QPSK-1#LOW@30mHz-1GHz@Pass



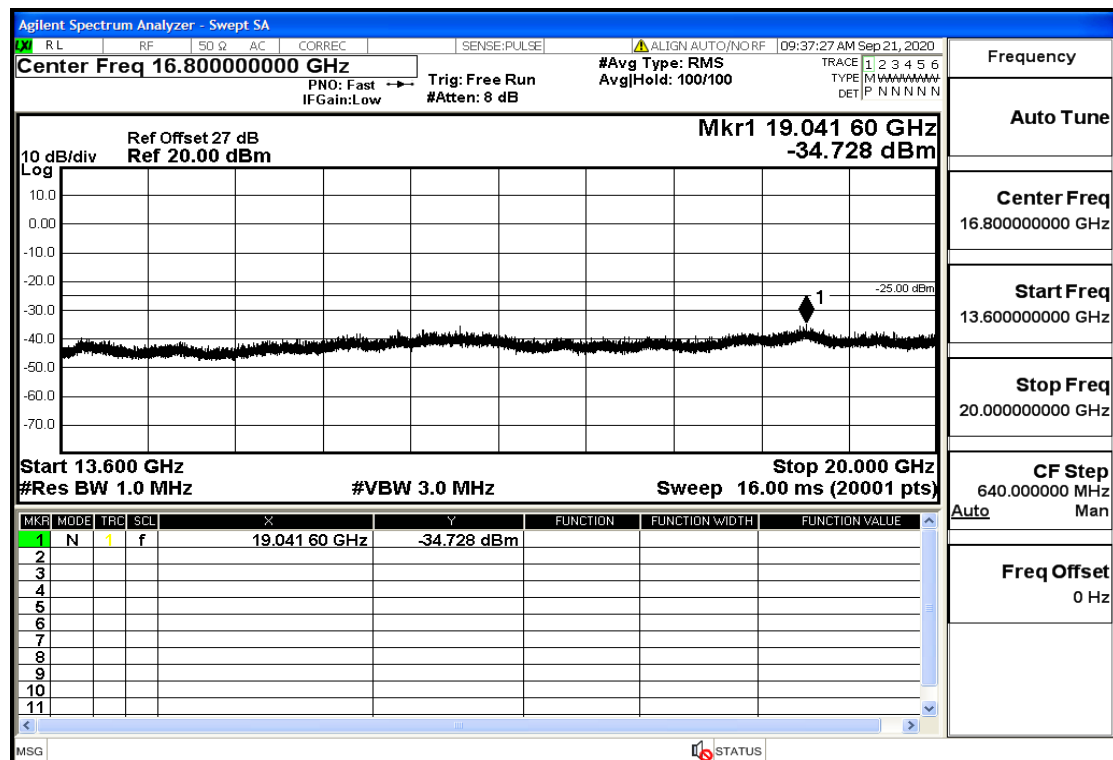
OB7-15-2507.5-QPSK-1#LOW@1GHz-7GHz@Pass



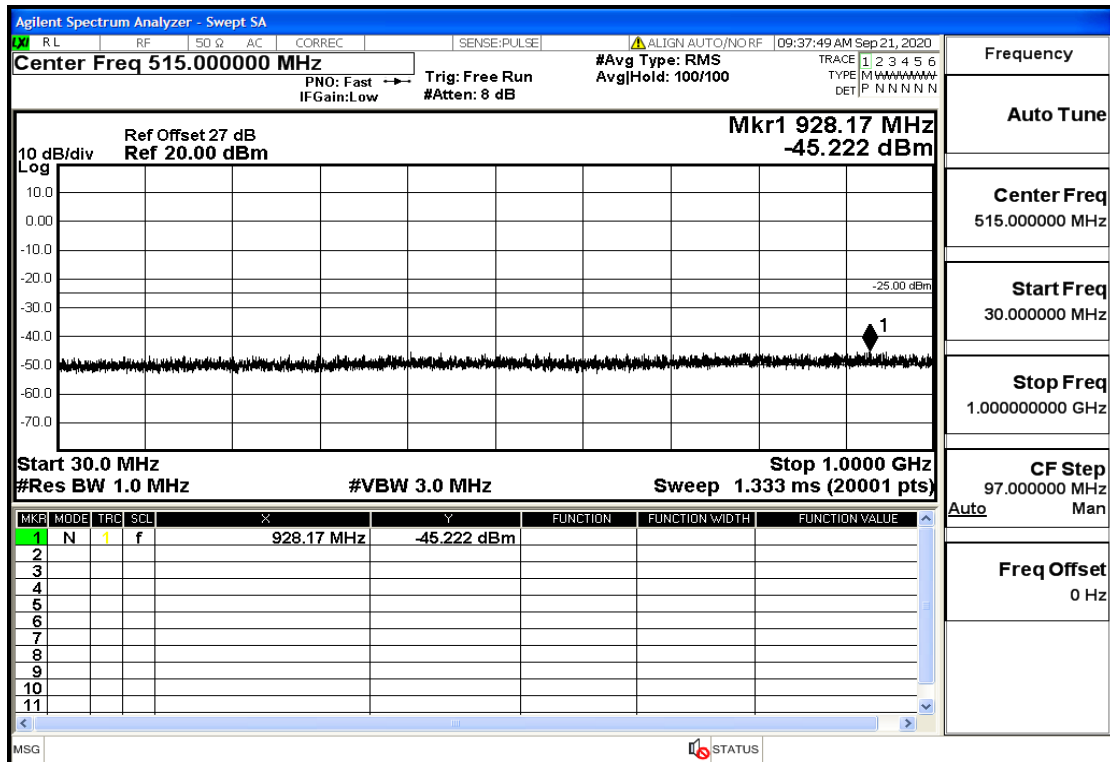
OB7-15-2507.5-QPSK-1#LOW@7GHz-13.6GHz@Pass



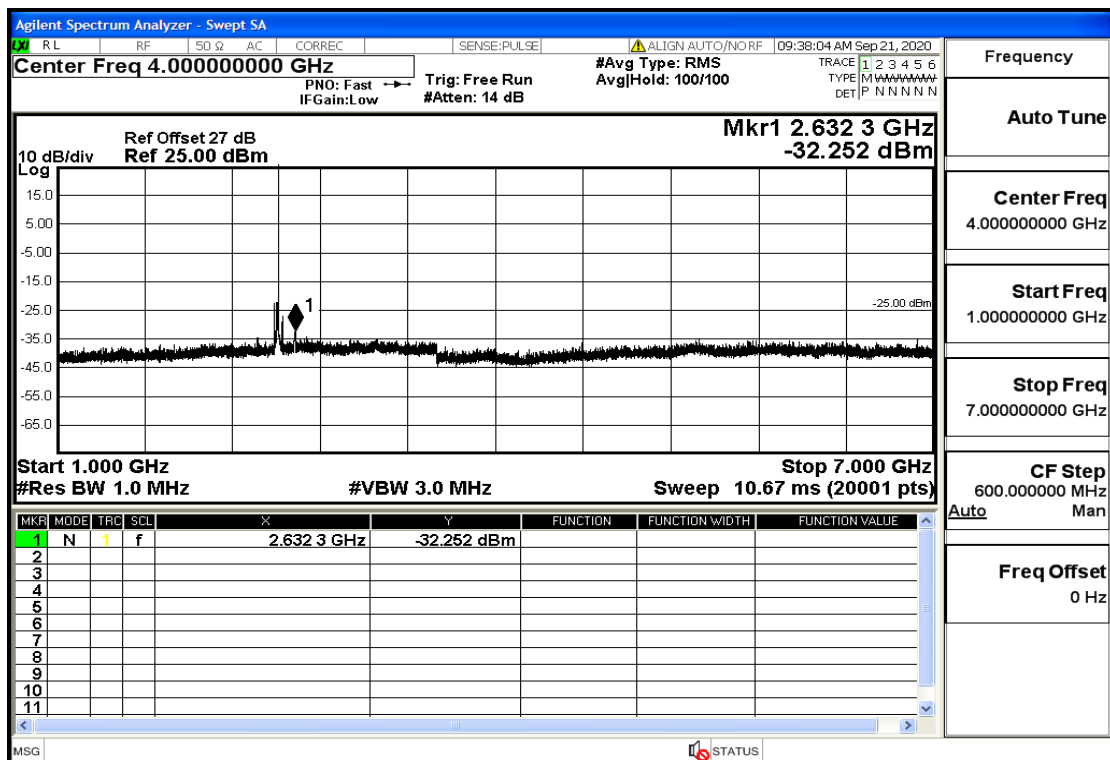
OB7-15-2507.5-QPSK-1#LOW@13.6GHz-20GHz@Pass



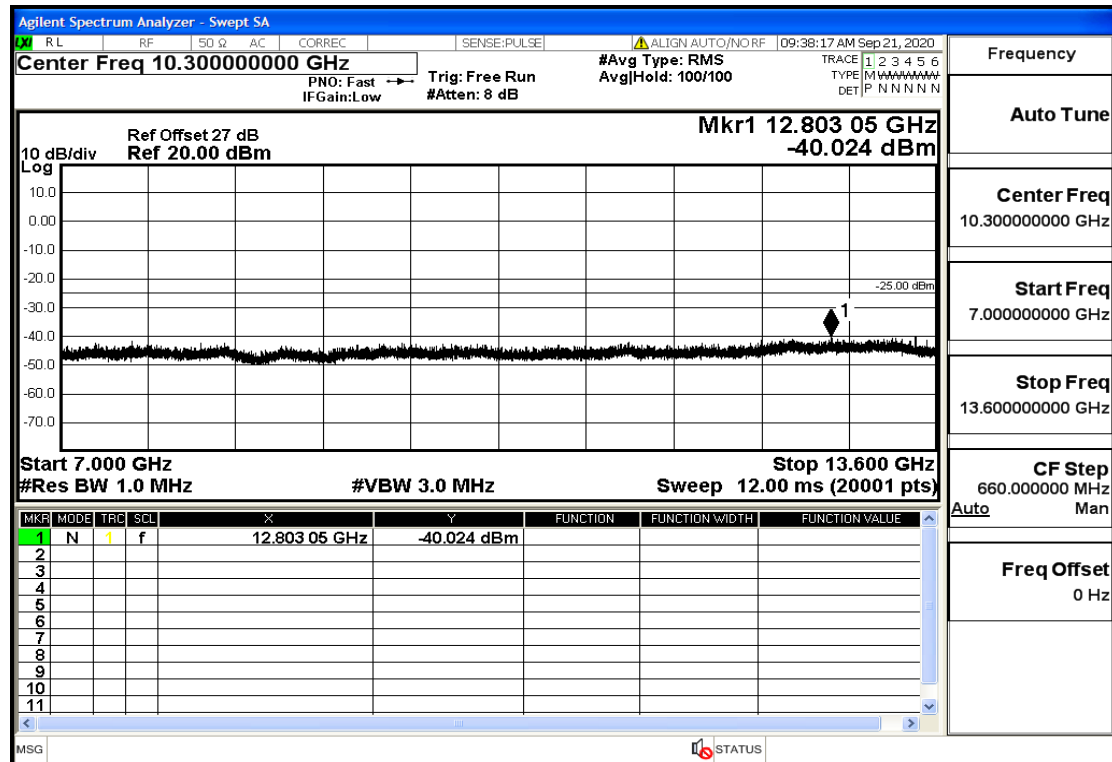
OB7-15-2507.5-QPSK-1#HIGH@30mHz-1GHz@Pass



OB7-15-2507.5-QPSK-1#HIGH@1GHz-7GHz@Pass



OB7-15-2507.5-QPSK-1#HIGH@7GHz-13.6GHz@Pass



OB7-15-2507.5-QPSK-1#HIGH@13.6GHz-20GHz@Pass

