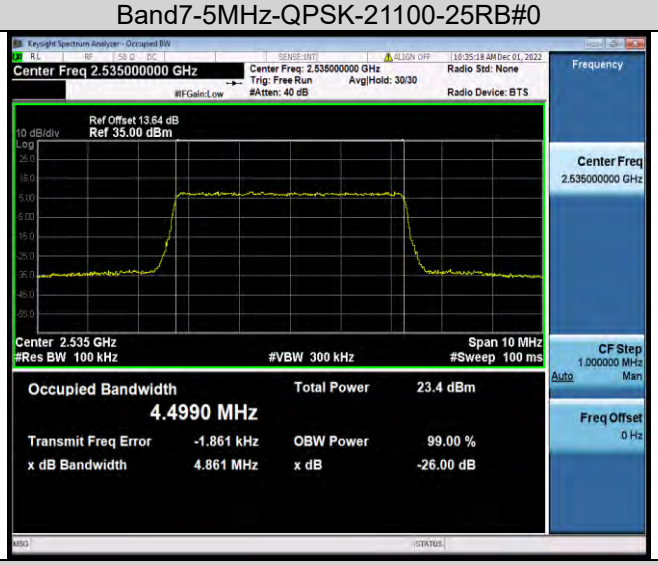
Test Graphs

Band7-5MHz-QPSK-20775-25RB#0

Band7-5MHz-QPSK-21100-25RB#0



Band7-5MHz-QPSK-21425-25RB#0

Band7-5MHz-16QAM-20775-25RB#0

Band7-5MHz-16QAM-21100-25RB#0

Band7-5MHz-16QAM-21425-25RB#0

Band7-5MHz-64QAM-20775-25RB#0

Band7-5MHz-64QAM-21100-25RB#0

Band7-5MHz-64QAM-21425-25RB#0

Band7-10MHz-QPSK-20800-50RB#0

Band7-10MHz-QPSK-21100-50RB#0

Band7-10MHz-QPSK-21400-50RB#0

Band7-10MHz-16QAM-20800-50RB#0

Band7-10MHz-16QAM-21100-50RB#0

Band7-10MHz-16QAM-21400-50RB#0

Band7-10MHz-64QAM-20800-50RB#0

Band7-10MHz-64QAM-21100-50RB#0

Band7-10MHz-64QAM-21400-50RB#0

Band7-15MHz-QPSK-20825-75RB#0

Band7-15MHz-QPSK-21100-75RB#0

Band7-15MHz-QPSK-21375-75RB#0

Band7-15MHz-16QAM-20825-75RB#0

Band7-15MHz-16QAM-21100-75RB#0

Band7-15MHz-16QAM-21375-75RB#0

Band7-15MHz-64QAM-20825-75RB#0

Band7-15MHz-64QAM-21100-75RB#0

Band7-15MHz-64QAM-21375-75RB#0

Band7-20MHz-QPSK-20850-100RB#0

Band7-20MHz-QPSK-21100-100RB#0

Band7-20MHz-QPSK-21350-100RB#0

Band7-20MHz-16QAM-20850-100RB#0

Band7-20MHz-16QAM-21100-100RB#0

Band7-20MHz-16QAM-21350-100RB#0

Band7-20MHz-64QAM-20850-100RB#0

Band7-20MHz-64QAM-21100-100RB#0

Band7-20MHz-64QAM-21350-100RB#0

Keysight Spectrum Analyzer - Occupied BW
Center Freq 2.560000000 GHz
Center Freq: 2.560000000 GHz
Trig: Free Run
Avg|Hold: 30/30
#Atten: 40 dB
Radio Std: None
Radio Device: BTS
12:06:17 AM Dec 01, 2022
Ref Offset 13.62 dB
10 dB/div
Ref 35.00 dBm
Log
Center 2.56 GHz
Res BW 390 kHz
#VBW 1.2 MHz
Span 40 MHz
#Sweep 100 ms
Occupied Bandwidth
17.912 MHz
Total Power 20.5 dBm
Transmit Freq Error -2.619 kHz
OBW Power 99.00 %
x dB Bandwidth 18.93 MHz
x dB -26.00 dB
Frequency
Center Freq
2.560000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

BAND EDGE

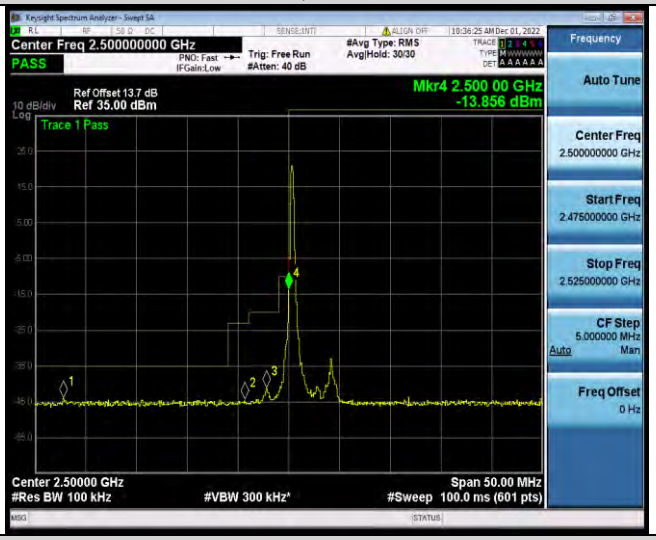
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	-44.18,-44.61,-41.29,-13.86	PASS
Band7	5MHz	QPSK	20775	25RB#0	-42.72,-36.14,-36.11,-22.94	PASS
Band7	5MHz	QPSK	21425	1RB#24	-13.46,-42.01,-44.17,-44.31	PASS
Band7	5MHz	QPSK	21425	25RB#0	-23.97,-32.29,-41.07,-42.11	PASS
Band7	5MHz	16QAM	20775	1RB#0	-44.27,-44.42,-42.40,-14.55	PASS
Band7	5MHz	16QAM	20775	25RB#0	-42.93,-38.60,-35.93,-23.32	PASS
Band7	5MHz	16QAM	21425	1RB#24	-14.05,-42.57,-44.37,-44.20	PASS
Band7	5MHz	16QAM	21425	25RB#0	-23.80,-33.60,-41.08,-41.79	PASS
Band7	5MHz	64QAM	20775	1RB#0	-44.24,-44.54,-43.08,-15.56	PASS
Band7	5MHz	64QAM	20775	25RB#0	-43.07,-40.28,-34.52,-25.64	PASS
Band7	5MHz	64QAM	21425	1RB#24	-17.97,-42.37,-44.70,-44.46	PASS
Band7	5MHz	64QAM	21425	25RB#0	-26.20,-34.92,-42.68,-43.99	PASS
Band7	10MHz	QPSK	20800	1RB#0	-42.04,-41.91,-40.05,-20.58	PASS
Band7	10MHz	QPSK	20800	50RB#0	-41.23,-36.50,-35.65,-25.83	PASS
Band7	10MHz	QPSK	21400	1RB#49	-21.74,-40.83,-41.71,-42.25	PASS
Band7	10MHz	QPSK	21400	50RB#0	-27.04,-33.86,-35.32,-39.66	PASS
Band7	10MHz	16QAM	20800	1RB#0	-41.88,-41.96,-40.57,-21.61	PASS
Band7	10MHz	16QAM	20800	50RB#0	-40.41,-37.04,-35.63,-29.36	PASS
Band7	10MHz	16QAM	21400	1RB#49	-20.92,-40.67,-41.82,-42.23	PASS
Band7	10MHz	16QAM	21400	50RB#0	-29.13,-34.27,-37.26,-40.19	PASS
Band7	10MHz	64QAM	20800	1RB#0	-42.12,-42.32,-41.23,-23.71	PASS
Band7	10MHz	64QAM	20800	50RB#0	-40.89,-37.01,-35.37,-30.03	PASS
Band7	10MHz	64QAM	21400	1RB#49	-24.74,-40.83,-42.05,-41.98	PASS
Band7	10MHz	64QAM	21400	50RB#0	-31.62,-35.50,-38.05,-40.98	PASS
Band7	15MHz	QPSK	20825	1RB#0	-40.42,-40.53,-38.78,-21.85	PASS
Band7	15MHz	QPSK	20825	75RB#0	-36.05,-35.98,-34.57,-28.30	PASS
Band7	15MHz	QPSK	21375	1RB#74	-22.26,-39.60,-40.69,-40.65	PASS
Band7	15MHz	QPSK	21375	75RB#0	-28.87,-33.97,-34.70,-40.30	PASS
Band7	15MHz	16QAM	20825	1RB#0	-40.60,-40.59,-38.60,-21.60	PASS
Band7	15MHz	16QAM	20825	75RB#0	-37.08,-36.53,-34.13,-31.57	PASS
Band7	15MHz	16QAM	21375	1RB#74	-21.56,-39.59,-40.58,-40.54	PASS
Band7	15MHz	16QAM	21375	75RB#0	-30.29,-34.49,-36.47,-40.18	PASS
Band7	15MHz	64QAM	20825	1RB#0	-40.16,-40.58,-39.50,-22.65	PASS
Band7	15MHz	64QAM	20825	75RB#0	-38.13,-36.51,-34.05,-31.37	PASS
Band7	15MHz	64QAM	21375	1RB#74	-22.42,-39.99,-40.57,-40.75	PASS
Band7	15MHz	64QAM	21375	75RB#0	-32.61,-34.32,-37.10,-40.69	PASS
Band7	20MHz	QPSK	20850	1RB#0	-39.55,-39.58,-37.69,-22.86	PASS
Band7	20MHz	QPSK	20850	100RB#0	-36.50,-36.42,-35.83,-30.61	PASS
Band7	20MHz	QPSK	21350	1RB#99	-21.24,-38.17,-39.48,-39.55	PASS
Band7	20MHz	QPSK	21350	100RB#0	-31.42,-35.22,-36.63,-39.66	PASS
Band7	20MHz	16QAM	20850	1RB#0	-39.08,-39.57,-37.96,-23.09	PASS
Band7	20MHz	16QAM	20850	100RB#0	-37.14,-35.96,-35.45,-31.68	PASS
Band7	20MHz	16QAM	21350	1RB#99	-22.07,-38.78,-39.59,-39.59	PASS
Band7	20MHz	16QAM	21350	100RB#0	-31.70,-34.92,-36.06,-39.73	PASS
Band7	20MHz	64QAM	20850	1RB#0	-39.57,-39.46,-38.71,-23.65	PASS

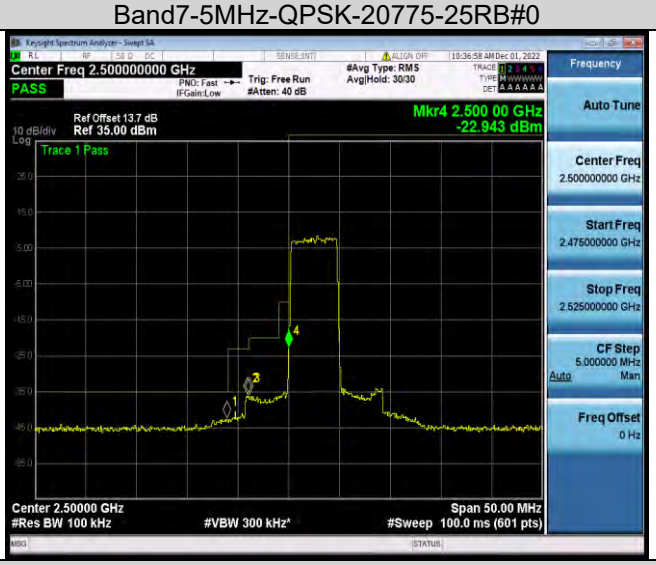
Band7	20MHz	64QAM	20850	100RB#0	-36.79,-35.72,-34.41,-32.45	PASS
Band7	20MHz	64QAM	21350	1RB#99	-23.91,-39.09,-39.45,-39.77	PASS
Band7	20MHz	64QAM	21350	100RB#0	-33.02,-34.90,-36.16,-39.64	PASS

Test Graphs

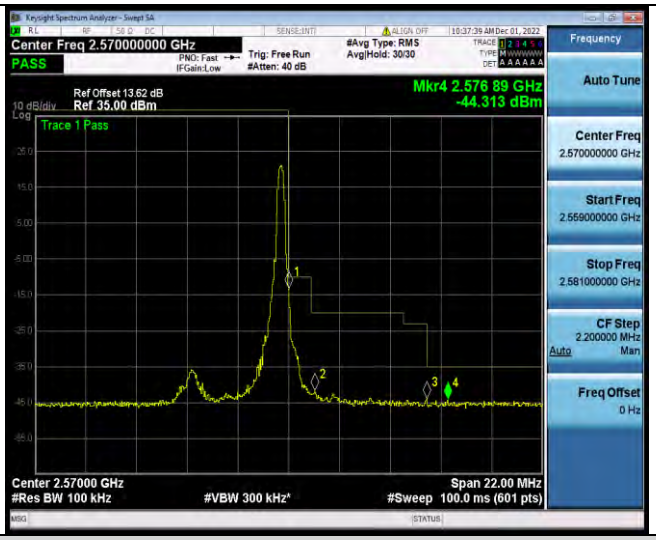
Band7-5MHz-QPSK-20775-1RB#0



Band7-5MHz-QPSK-20775-25RB#0

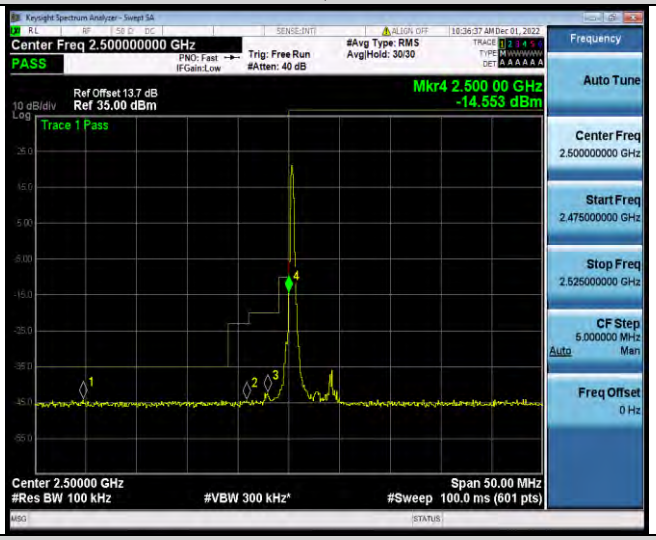


Band7-5MHz-QPSK-21425-1RB#24

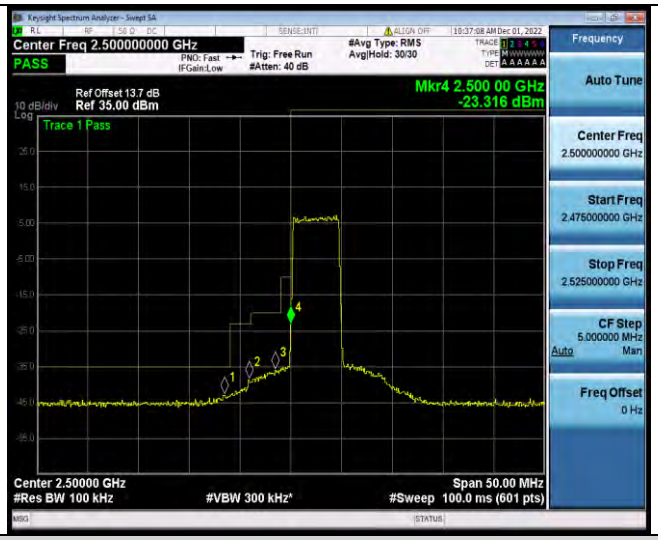


Band7-5MHz-QPSK-21425-25RB#0

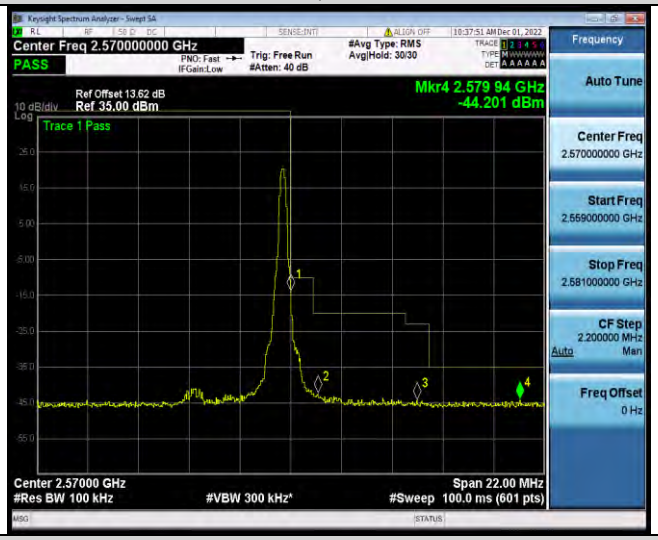
Band7-5MHz-16QAM-20775-1RB#0



Band7-5MHz-16QAM-20775-25RB#0

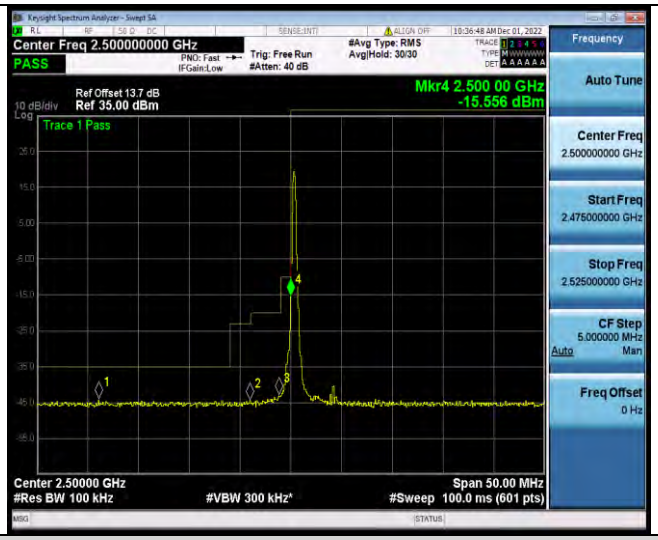


Band7-5MHz-16QAM-21425-1RB#24



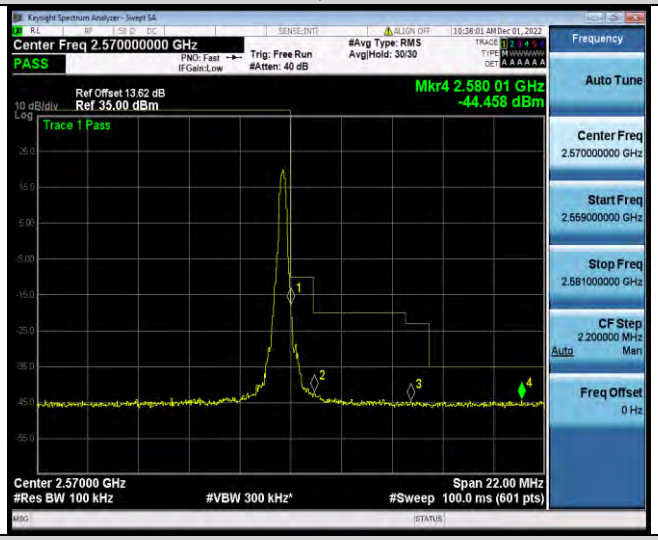
Band7-5MHz-16QAM-21425-25RB#0

Band7-5MHz-64QAM-20775-1RB#0



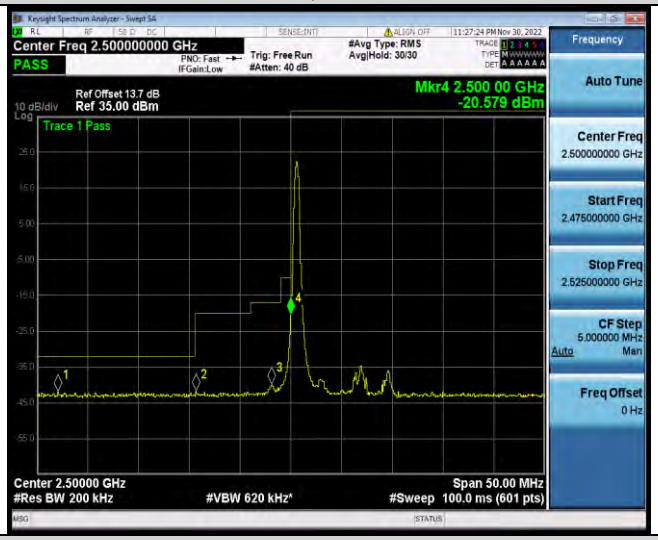
Band7-5MHz-64QAM-20775-25RB#0

Band7-5MHz-64QAM-21425-1RB#24



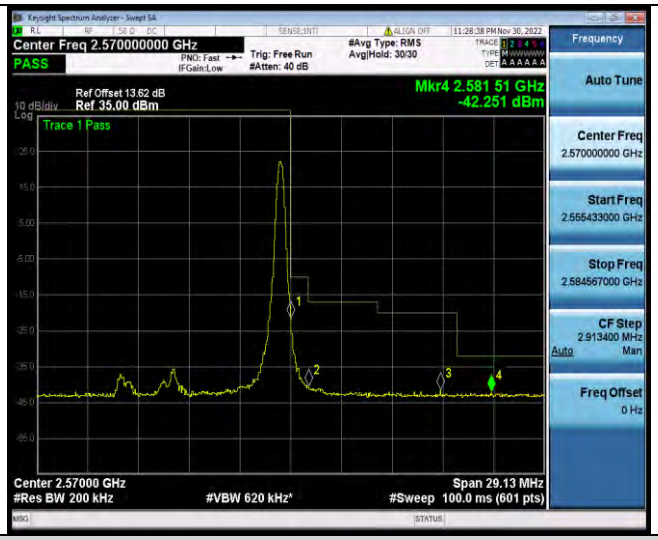
Band7-5MHz-64QAM-21425-25RB#0

Band7-10MHz-QPSK-20800-1RB#0



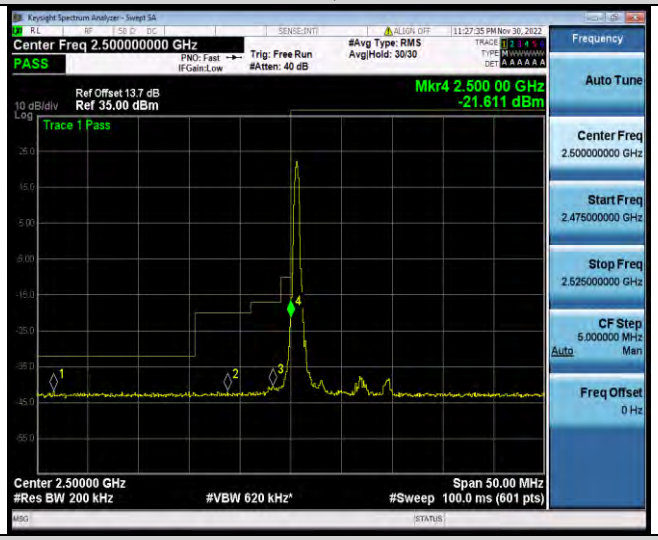
Band7-10MHz-QPSK-20800-50RB#0

Band7-10MHz-QPSK-21400-1RB#49



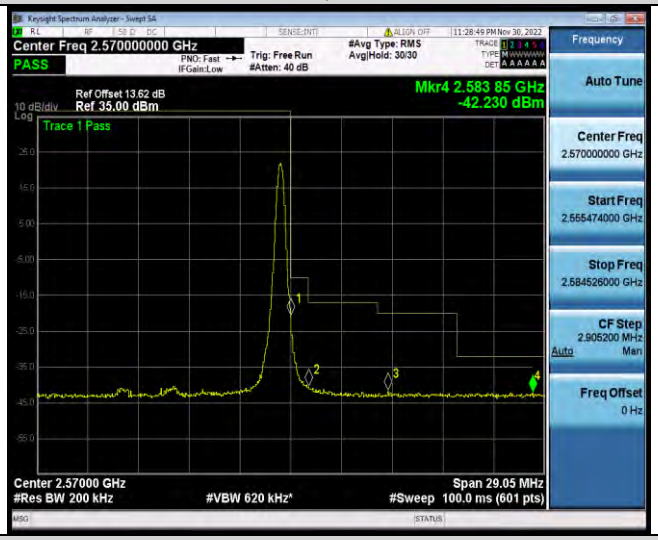
Band7-10MHz-QPSK-21400-50RB#0

Band7-10MHz-16QAM-20800-1RB#0



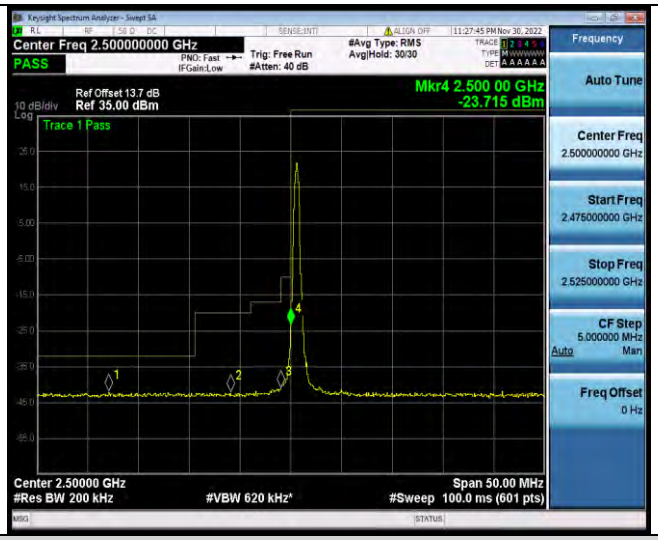
Band7-10MHz-16QAM-20800-50RB#0

Band7-10MHz-16QAM-21400-1RB#49



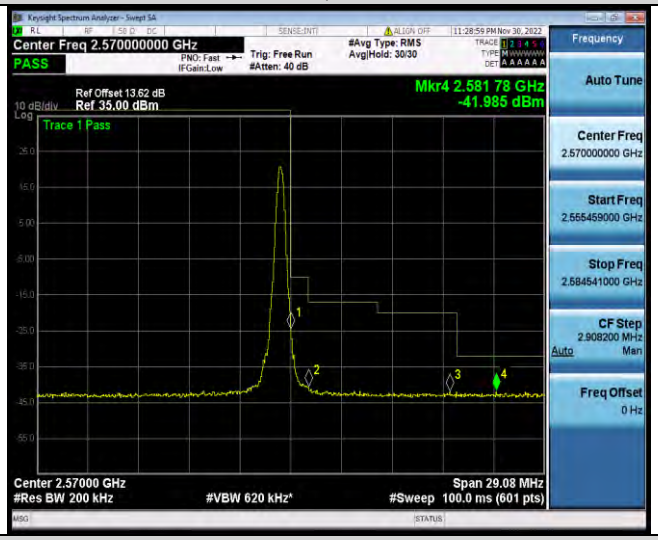
Band7-10MHz-16QAM-21400-50RB#0

Band7-10MHz-64QAM-20800-1RB#0



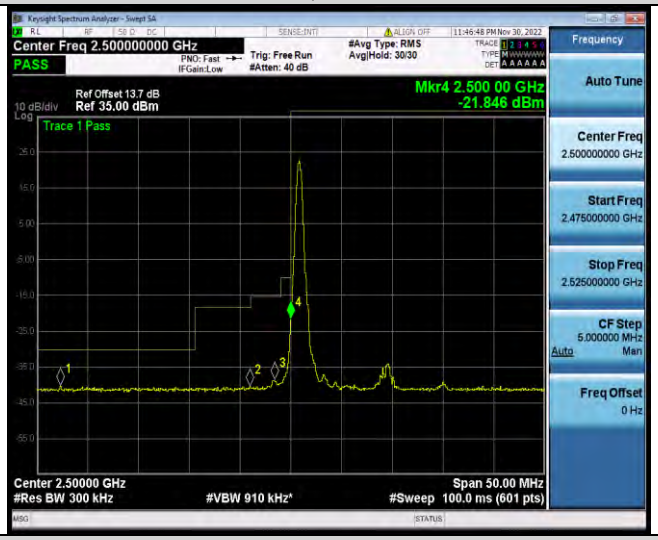
Band7-10MHz-64QAM-20800-50RB#0

Band7-10MHz-64QAM-21400-1RB#49



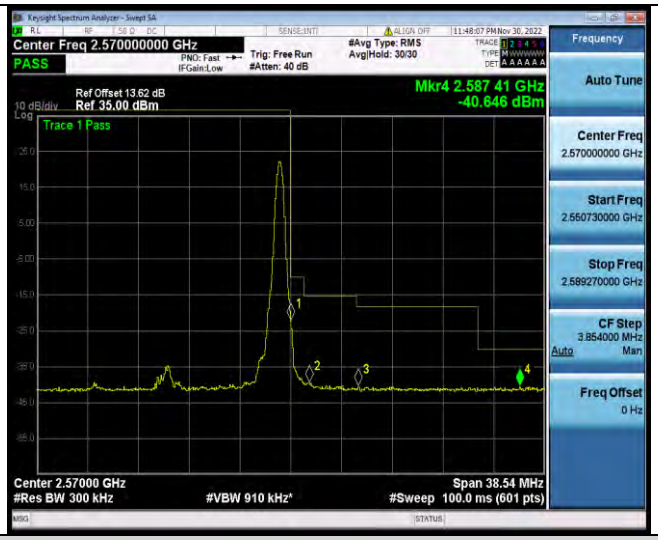
Band7-10MHz-64QAM-21400-50RB#0

Band7-15MHz-QPSK-20825-1RB#0



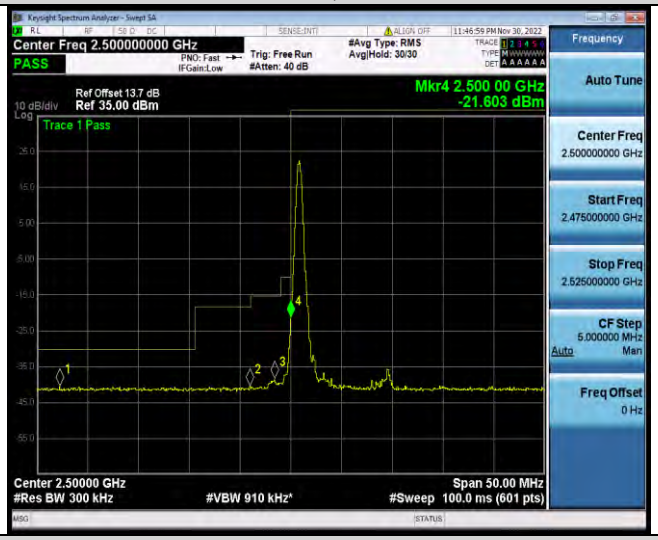
Band7-15MHz-QPSK-20825-75RB#0

Band7-15MHz-QPSK-21375-1RB#74



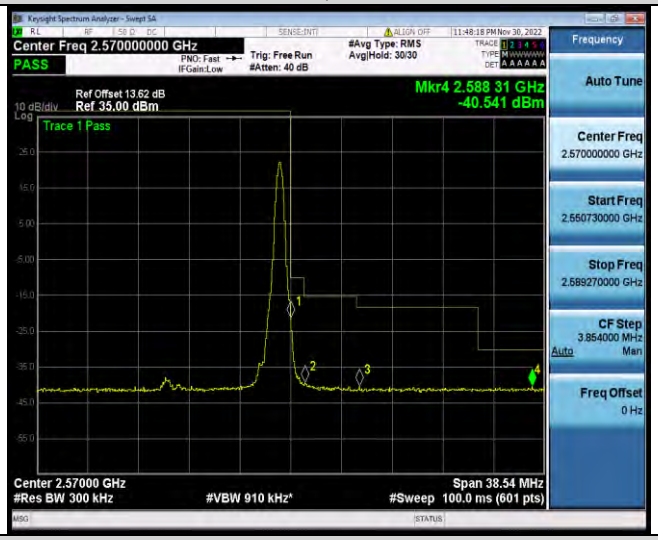
Band7-15MHz-QPSK-21375-75RB#0

Band7-15MHz-16QAM-20825-1RB#0



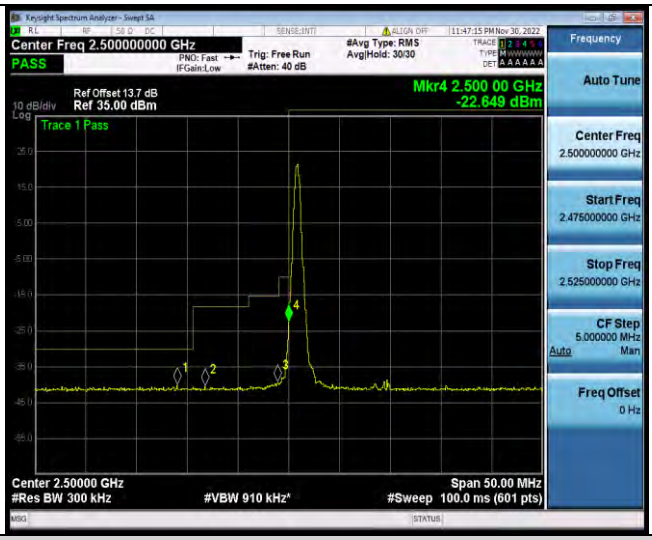
Band7-15MHz-16QAM-20825-75RB#0

Band7-15MHz-16QAM-21375-1RB#74



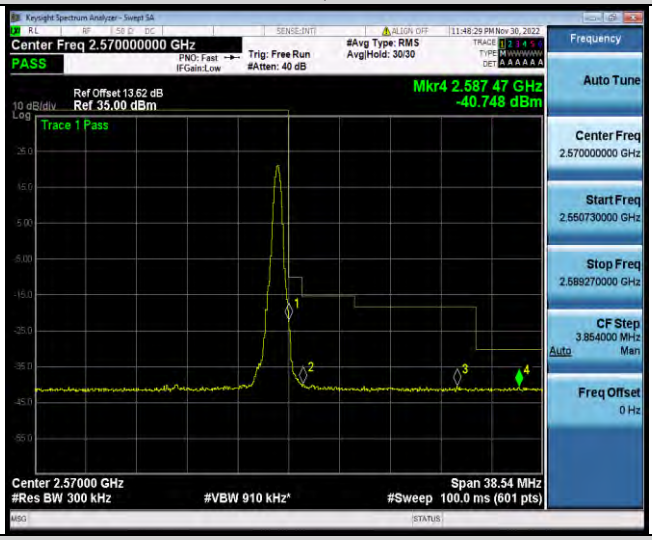
Band7-15MHz-16QAM-21375-75RB#0

Band7-15MHz-64QAM-20825-1RB#0



Band7-15MHz-64QAM-20825-75RB#0

Band7-15MHz-64QAM-21375-1RB#74



Band7-15MHz-64QAM-21375-75RB#0

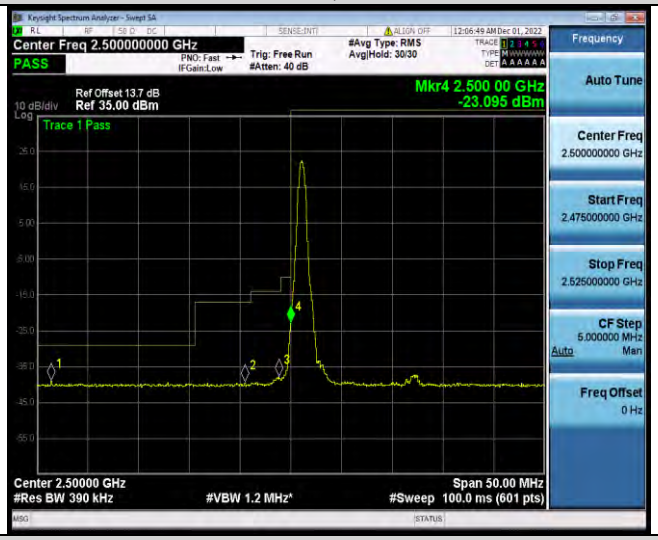
Band7-20MHz-QPSK-20850-1RB#0

Band7-20MHz-QPSK-20850-100RB#0

Band7-20MHz-QPSK-21350-1RB#99

Band7-20MHz-QPSK-21350-100RB#0

Band7-20MHz-16QAM-20850-1RB#0



Band7-20MHz-16QAM-20850-100RB#0

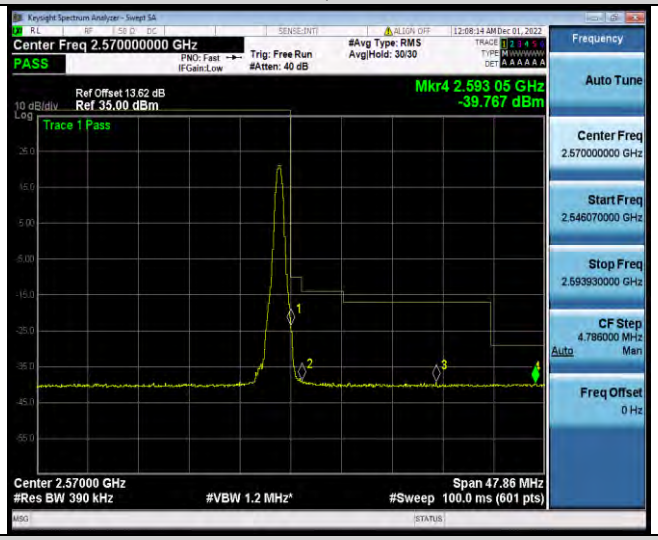
Band7-20MHz-16QAM-21350-1RB#99

Band7-20MHz-16QAM-21350-100RB#0

Band7-20MHz-64QAM-20850-1RB#0

Band7-20MHz-64QAM-20850-100RB#0

Band7-20MHz-64QAM-21350-1RB#99



Band7-20MHz-64QAM-21350-100RB#0

Keysight Spectrum Analyzer - Swept SA
Center Freq 2.570000000 GHz
PASS
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
#Avg Type: RMS
Avg|Hold: 30/30
12:08:47 AM Dec 01, 2022
Ref Offset 13.62 dB
10 dB/div
Ref 35.00 dBm
Log
Trace 1 Pass
Mkr4 2.590 82 GHz
-39.636 dBm
Center 2.57000 GHz
#Res BW 390 kHz
#VBW 1.2 MHz*
Span 47.86 MHz
#Sweep 100.0 ms (601 pts)
Frequency
Auto Tune
Center Freq
2.570000000 GHz
Start Freq
2.546070000 GHz
Stop Freq
2.593930000 GHz
CF Step
4.786000 MHz
Auto
Man
Freq Offset
0 Hz

CONDUCTED SPURIOUS EMISSION

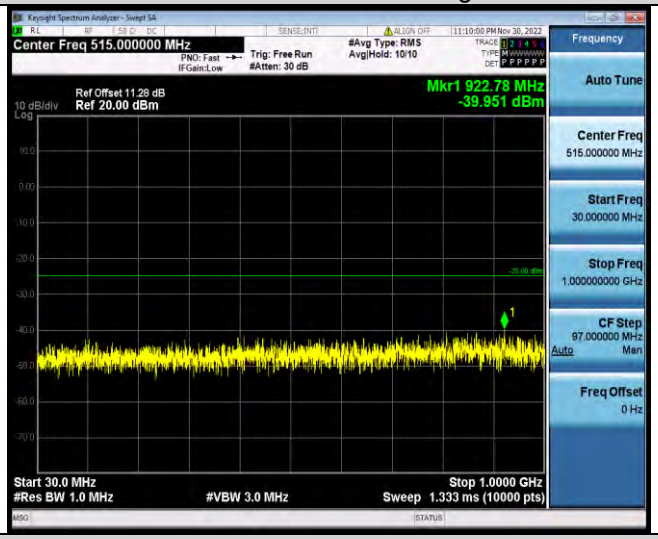
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	Range1:30~1000MHz	-39.95	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range2:1000~27000MHz	-31.02	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-40.16	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range2:1000~27000MHz	-30.8	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range1:30~1000MHz	-39.42	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range2:1000~27000MHz	-31.45	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range1:30~1000MHz	-40.34	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range2:1000~27000MHz	-31.47	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-40.97	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range2:1000~27000MHz	-31.03	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range1:30~1000MHz	-41.23	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range2:1000~27000MHz	-30.9	PASS
Band7	5MHz	64QAM	20775	1RB#0	Range1:30~1000MHz	-40.35	PASS
Band7	5MHz	64QAM	20775	1RB#0	Range2:1000~27000MHz	-31.09	PASS
Band7	5MHz	64QAM	21100	1RB#0	Range1:30~1000MHz	-41.45	PASS
Band7	5MHz	64QAM	21100	1RB#0	Range2:1000~27000MHz	-30.66	PASS
Band7	5MHz	64QAM	21425	1RB#0	Range1:30~1000MHz	-40.83	PASS
Band7	5MHz	64QAM	21425	1RB#0	Range2:1000~27000MHz	-30.08	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range1:30~1000MHz	-41.71	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range2:1000~27000MHz	-30.77	PASS
Band7	10MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-41.18	PASS
Band7	10MHz	QPSK	21100	1RB#0	Range2:1000~27000MHz	-31.58	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range1:30~1000MHz	-40.63	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range2:1000~27000MHz	-31.46	PASS
Band7	10MHz	16QAM	20800	1RB#0	Range1:30~1000MHz	-40.22	PASS
Band7	10MHz	16QAM	20800	1RB#0	Range2:1000~27000MHz	-31.04	PASS
Band7	10MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-40.3	PASS
Band7	10MHz	16QAM	21100	1RB#0	Range2:1000~27000MHz	-31.24	PASS
Band7	10MHz	16QAM	21400	1RB#0	Range1:30~1000MHz	-40.71	PASS
Band7	10MHz	16QAM	21400	1RB#0	Range2:1000~27000MHz	-31.45	PASS
Band7	10MHz	64QAM	20800	1RB#0	Range1:30~1000MHz	-40.91	PASS
Band7	10MHz	64QAM	20800	1RB#0	Range2:1000~27000MHz	-31.32	PASS
Band7	10MHz	64QAM	21100	1RB#0	Range1:30~1000MHz	-40.47	PASS
Band7	10MHz	64QAM	21100	1RB#0	Range2:1000~27000MHz	-30.52	PASS
Band7	10MHz	64QAM	21400	1RB#0	Range1:30~1000MHz	-41.29	PASS
Band7	10MHz	64QAM	21400	1RB#0	Range2:1000~27000MHz	-31.55	PASS
Band7	15MHz	QPSK	20825	1RB#0	Range1:30~1000MHz	-40.18	PASS
Band7	15MHz	QPSK	20825	1RB#0	Range2:1000~27000MHz	-30.9	PASS
Band7	15MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-41.06	PASS
Band7	15MHz	QPSK	21100	1RB#0	Range2:1000~27000MHz	-31.01	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range1:30~1000MHz	-40.67	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range2:1000~27000MHz	-30.29	PASS
Band7	15MHz	16QAM	20825	1RB#0	Range1:30~1000MHz	-40.88	PASS
Band7	15MHz	16QAM	20825	1RB#0	Range2:1000~27000MHz	-31.11	PASS
Band7	15MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-40.25	PASS

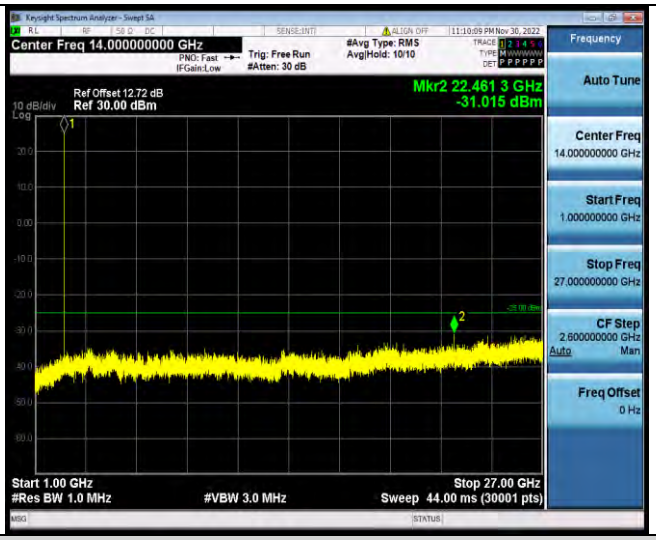
Band7	15MHz	16QAM	21100	1RB#0	Range2:1000~27000MHz	-30.23	PASS
Band7	15MHz	16QAM	21375	1RB#0	Range1:30~1000MHz	-41.05	PASS
Band7	15MHz	16QAM	21375	1RB#0	Range2:1000~27000MHz	-31.48	PASS
Band7	15MHz	64QAM	20825	1RB#0	Range1:30~1000MHz	-41.01	PASS
Band7	15MHz	64QAM	20825	1RB#0	Range2:1000~27000MHz	-31.02	PASS
Band7	15MHz	64QAM	21100	1RB#0	Range1:30~1000MHz	-39.5	PASS
Band7	15MHz	64QAM	21100	1RB#0	Range2:1000~27000MHz	-30.59	PASS
Band7	15MHz	64QAM	21375	1RB#0	Range1:30~1000MHz	-40.43	PASS
Band7	15MHz	64QAM	21375	1RB#0	Range2:1000~27000MHz	-30.47	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range1:30~1000MHz	-41.49	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range2:1000~27000MHz	-30.78	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-40.28	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range2:1000~27000MHz	-31.3	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range1:30~1000MHz	-40.43	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range2:1000~27000MHz	-31.05	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range1:30~1000MHz	-40.57	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range2:1000~27000MHz	-31.22	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-39.71	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range2:1000~27000MHz	-30.39	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range1:30~1000MHz	-40.95	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range2:1000~27000MHz	-30.54	PASS
Band7	20MHz	64QAM	20850	1RB#0	Range1:30~1000MHz	-41.31	PASS
Band7	20MHz	64QAM	20850	1RB#0	Range2:1000~27000MHz	-31.01	PASS
Band7	20MHz	64QAM	21100	1RB#0	Range1:30~1000MHz	-40.74	PASS
Band7	20MHz	64QAM	21100	1RB#0	Range2:1000~27000MHz	-30.84	PASS
Band7	20MHz	64QAM	21350	1RB#0	Range1:30~1000MHz	-41.42	PASS
Band7	20MHz	64QAM	21350	1RB#0	Range2:1000~27000MHz	-30.71	PASS

Test Graphs

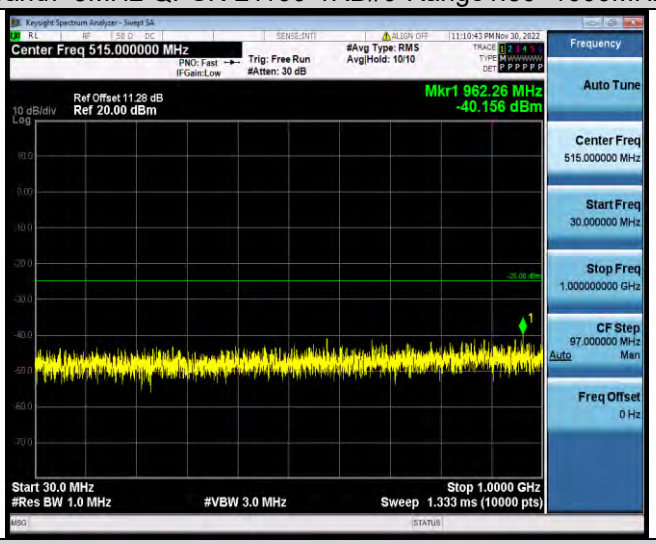
Band7-5MHz-QPSK-20775-1RB#0-Range1:30~1000MHz



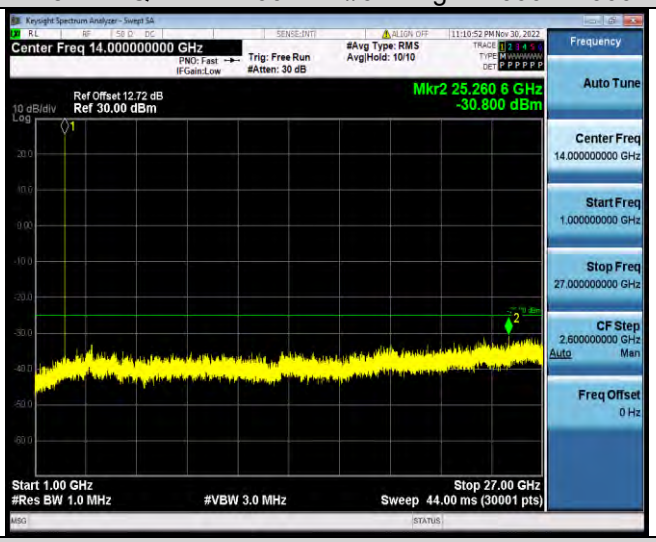
Band7-5MHz-QPSK-20775-1RB#0-Range2:1000~27000MHz



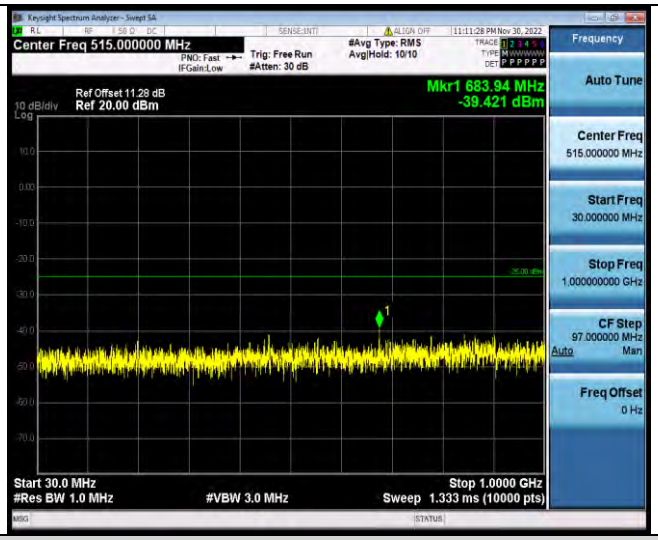
Band7-5MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



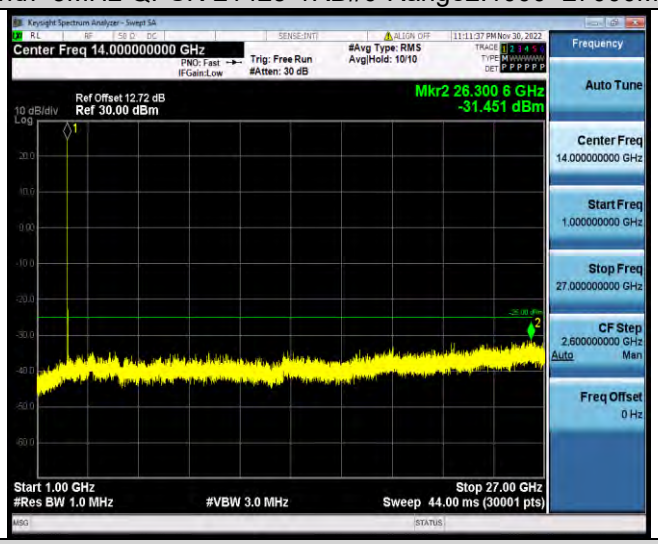
Band7-5MHz-QPSK-21100-1RB#0-Range2:1000~27000MHz



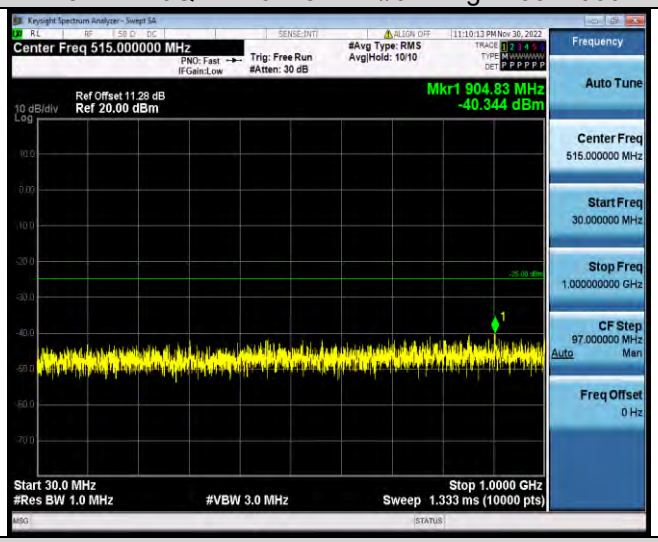
Band7-5MHz-QPSK-21425-1RB#0-Range1:30~1000MHz



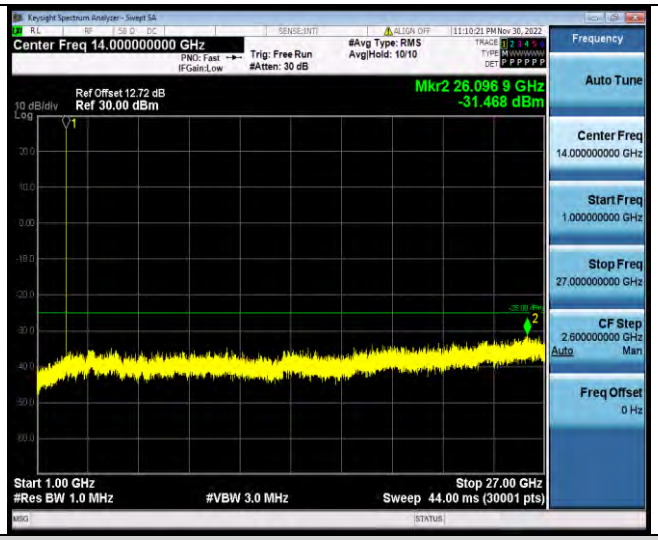
Band7-5MHz-QPSK-21425-1RB#0-Range2:1000~27000MHz



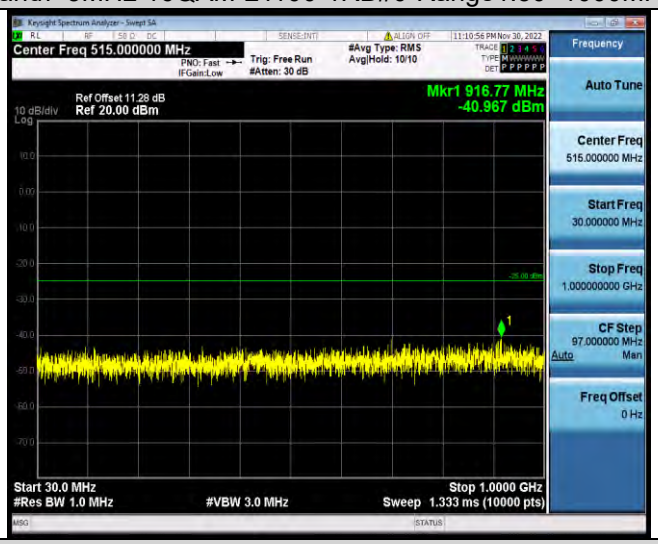
Band7-5MHz-16QAM-20775-1RB#0-Range1:30~1000MHz



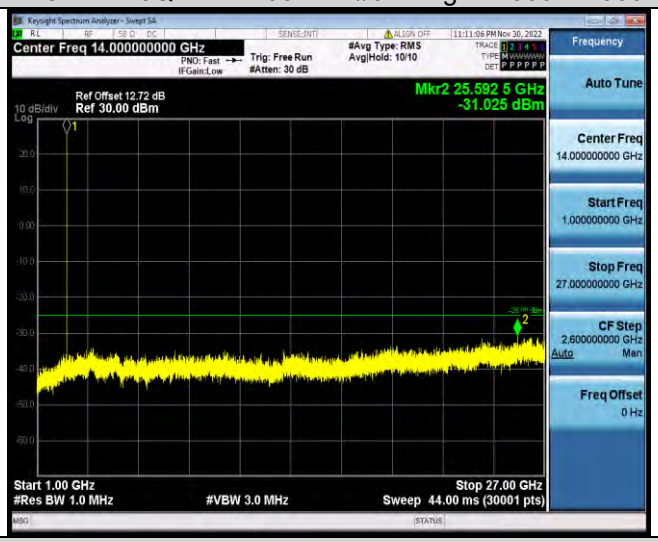
Band7-5MHz-16QAM-20775-1RB#0-Range2:1000~27000MHz



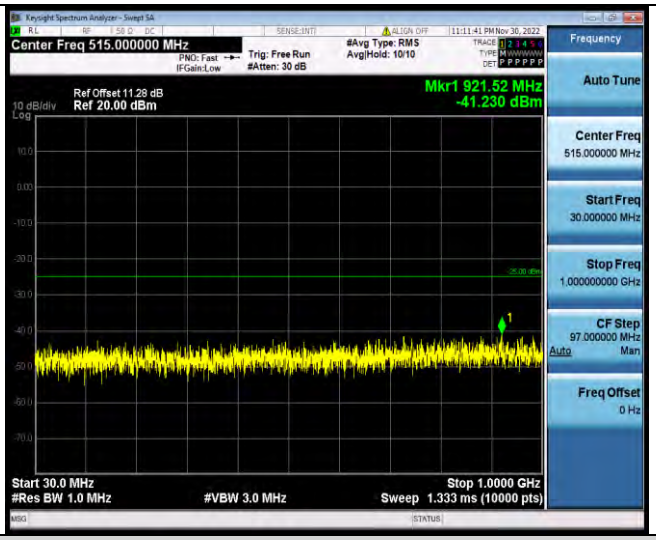
Band7-5MHz-16QAM-21100-1RB#0-Range1:30~1000MHz



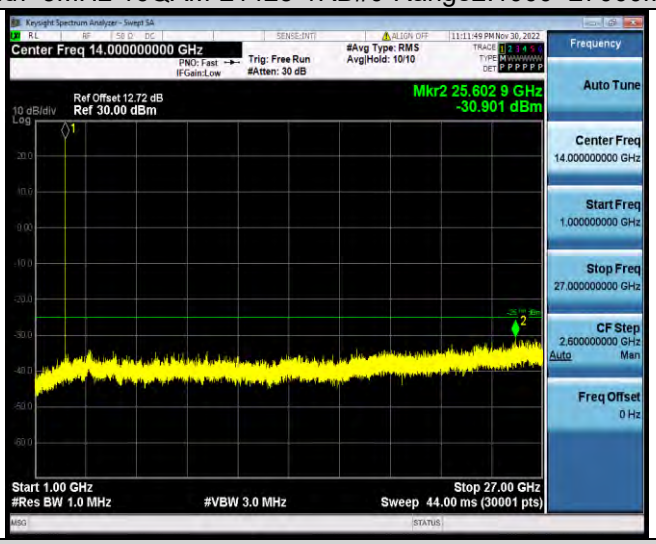
Band7-5MHz-16QAM-21100-1RB#0-Range2:1000~27000MHz



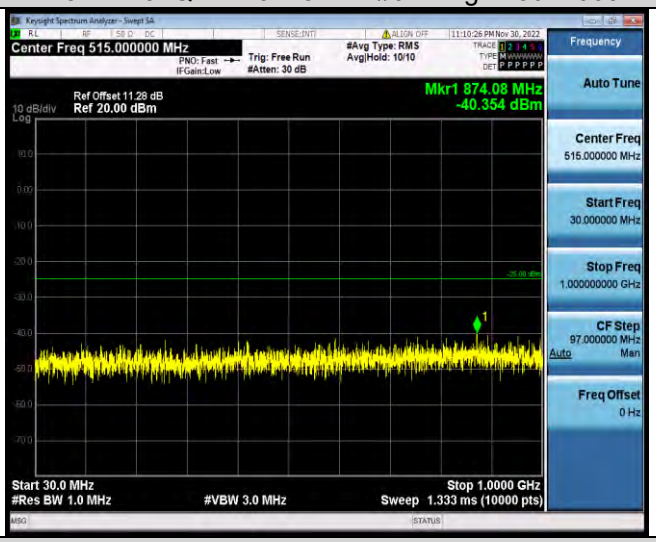
Band7-5MHz-16QAM-21425-1RB#0-Range1:30~1000MHz



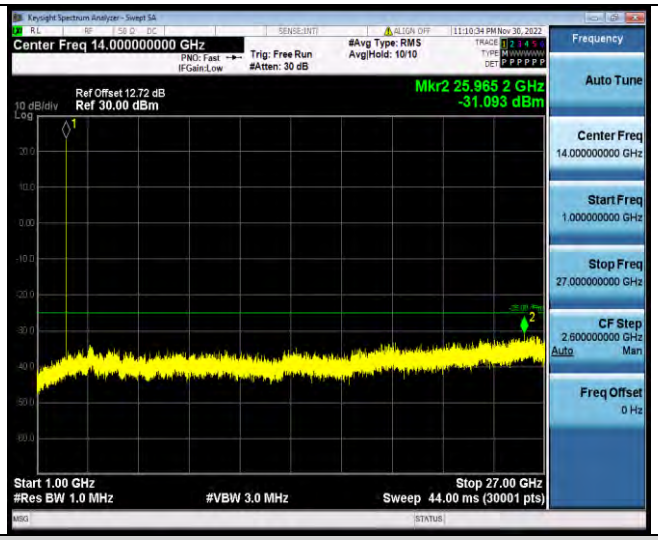
Band7-5MHz-16QAM-21425-1RB#0-Range2:1000~27000MHz



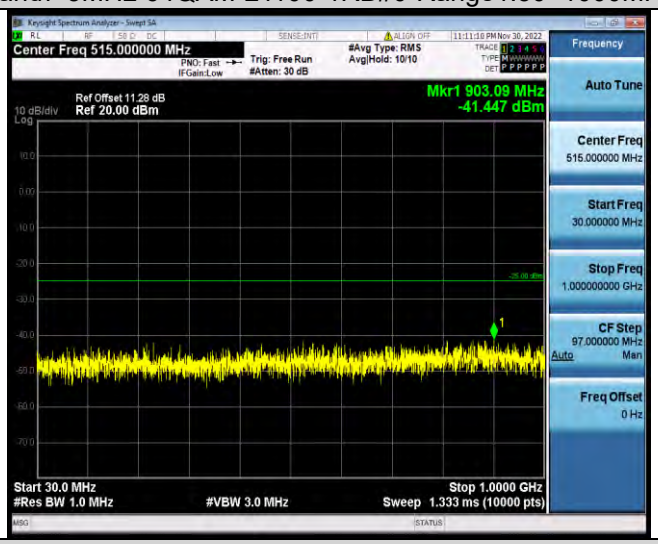
Band7-5MHz-64QAM-20775-1RB#0-Range1:30~1000MHz



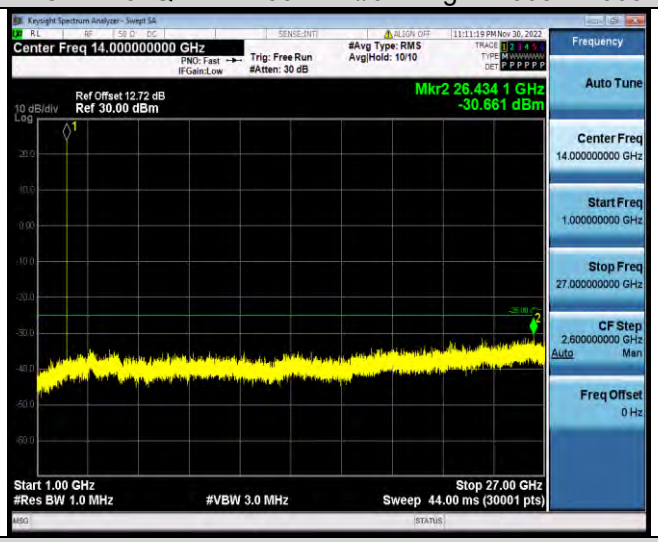
Band7-5MHz-64QAM-20775-1RB#0-Range2:1000~27000MHz



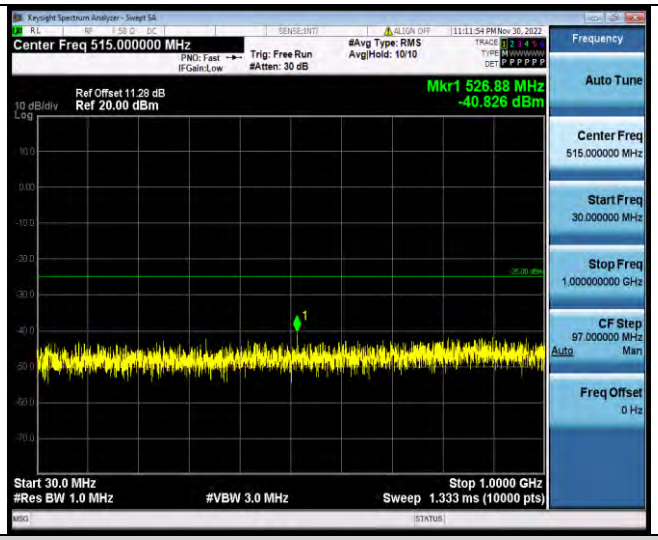
Band7-5MHz-64QAM-21100-1RB#0-Range1:30~1000MHz



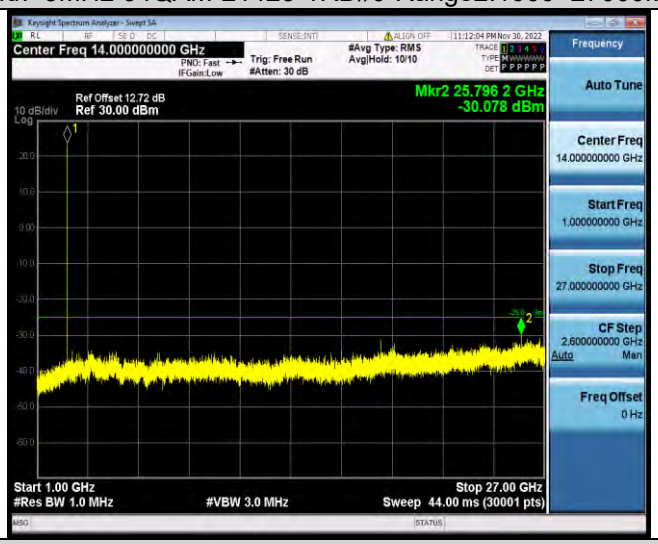
Band7-5MHz-64QAM-21100-1RB#0-Range2:1000~27000MHz



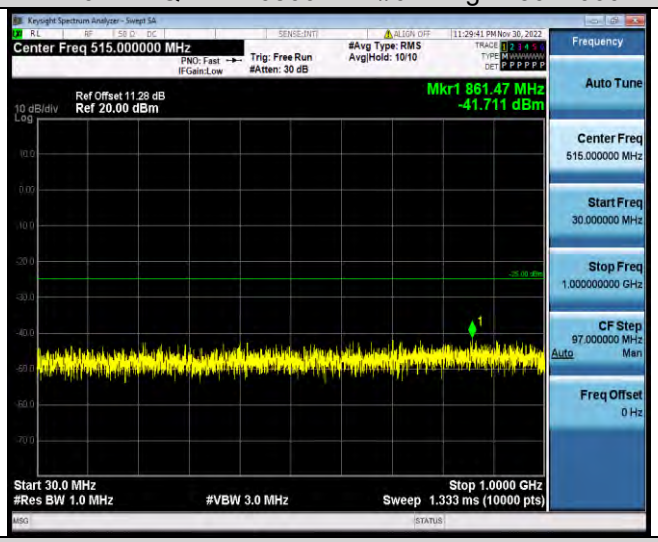
Band7-5MHz-64QAM-21425-1RB#0-Range1:30~1000MHz



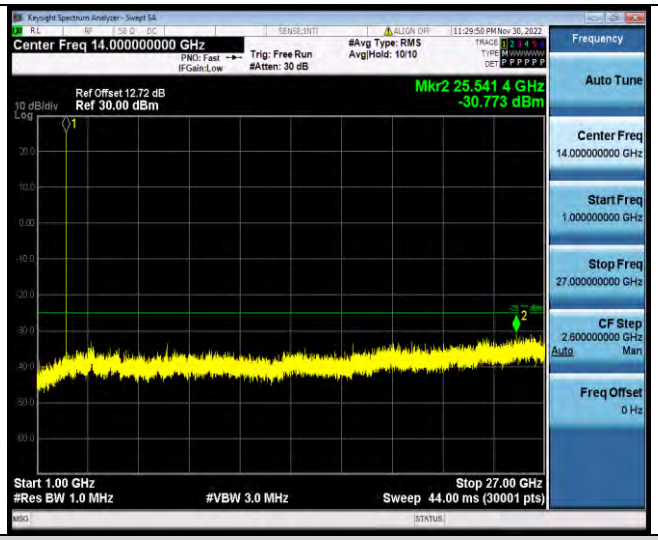
Band7-5MHz-64QAM-21425-1RB#0-Range2:1000~27000MHz



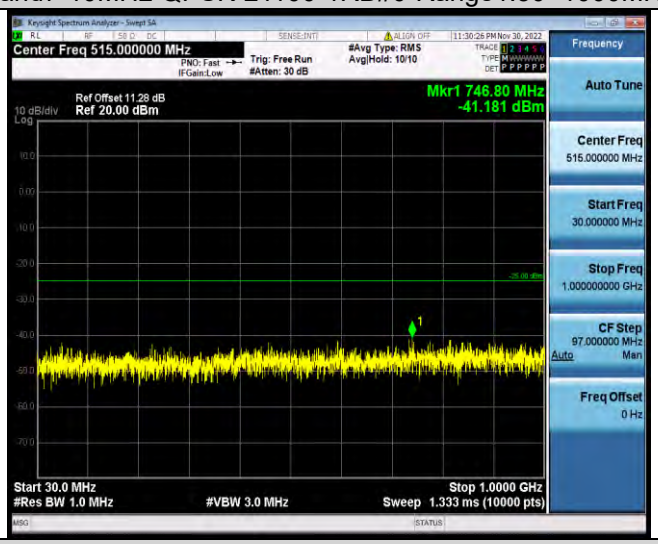
Band7-10MHz-QPSK-20800-1RB#0-Range1:30~1000MHz



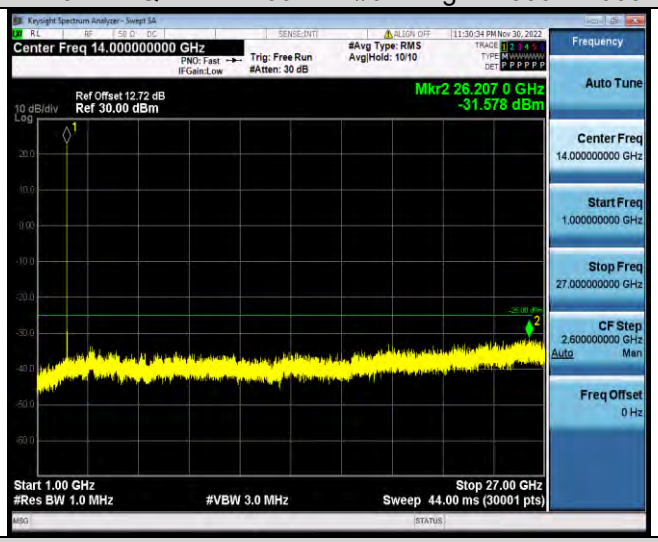
Band7-10MHz-QPSK-20800-1RB#0-Range2:1000~27000MHz



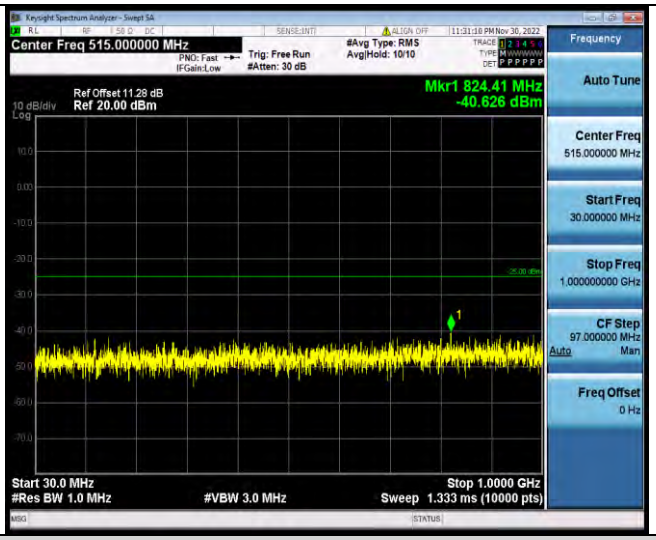
Band7-10MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



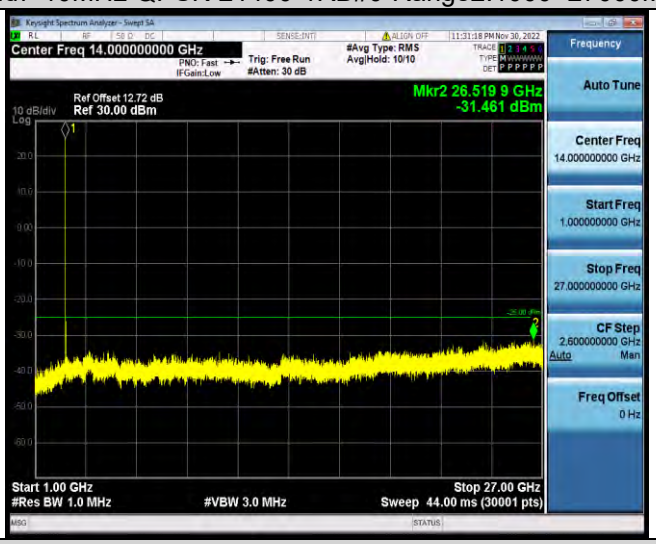
Band7-10MHz-QPSK-21100-1RB#0-Range2:1000~27000MHz



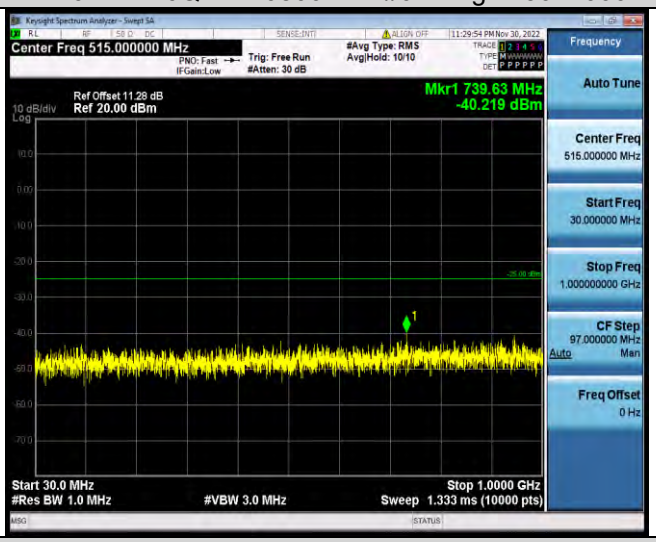
Band7-10MHz-QPSK-21400-1RB#0-Range1:30~1000MHz



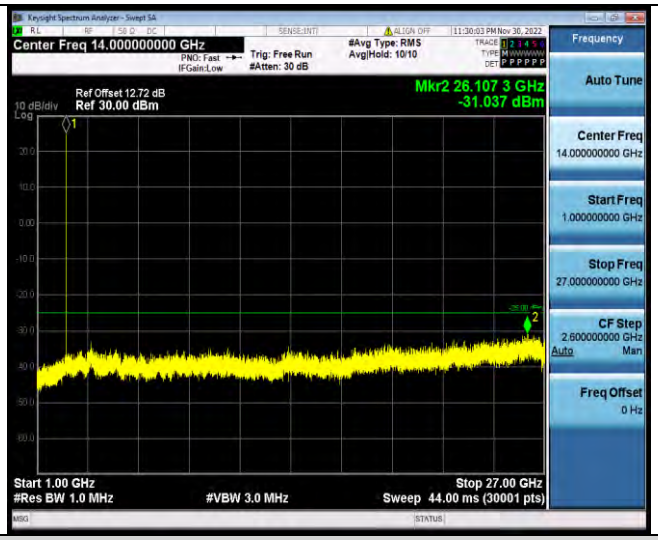
Band7-10MHz-QPSK-21400-1RB#0-Range2:1000~27000MHz



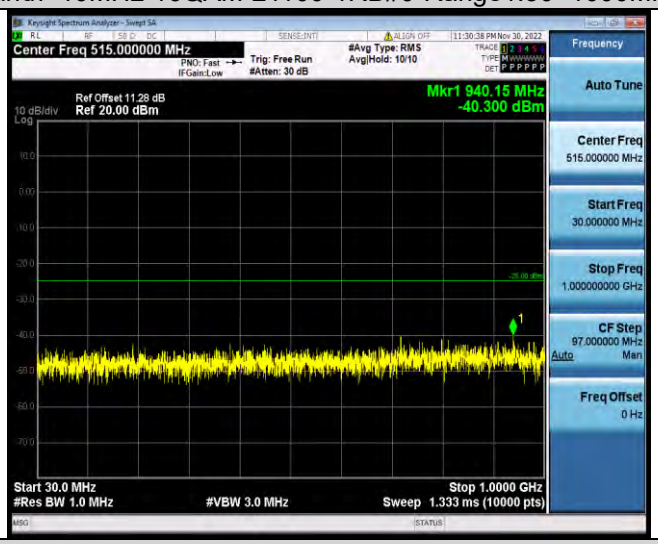
Band7-10MHz-16QAM-20800-1RB#0-Range1:30~1000MHz



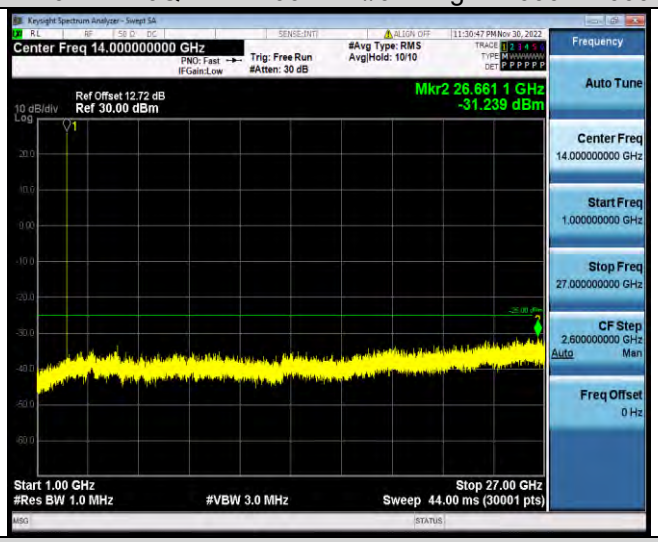
Band7-10MHz-16QAM-20800-1RB#0-Range2:1000~27000MHz



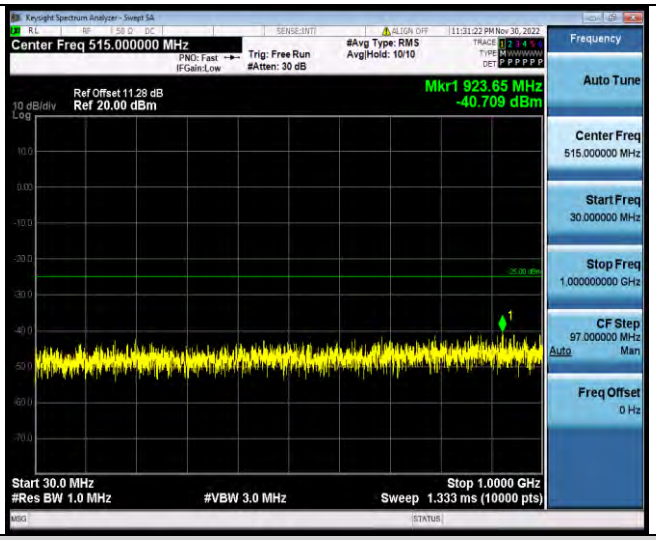
Band7-10MHz-16QAM-21100-1RB#0-Range1:30~1000MHz



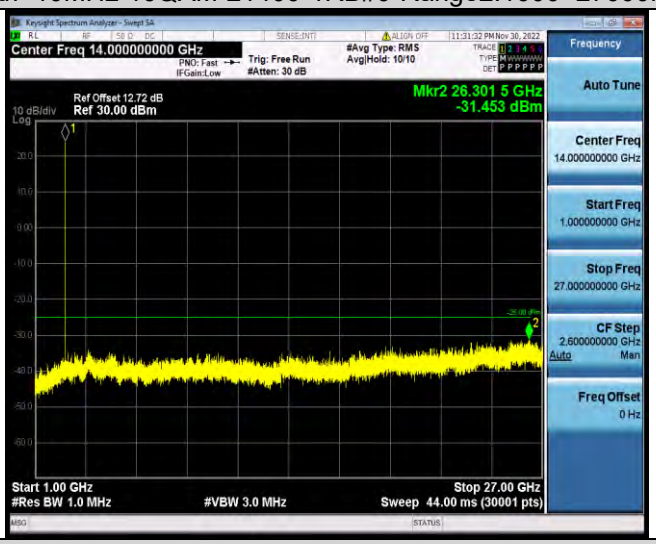
Band7-10MHz-16QAM-21100-1RB#0-Range2:1000~27000MHz



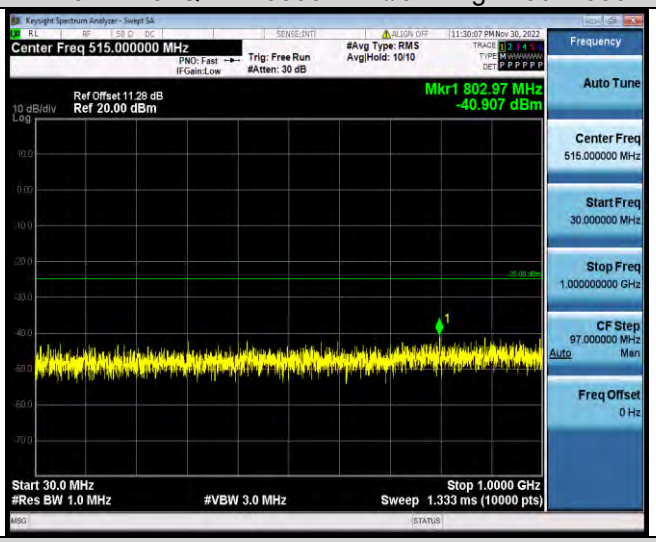
Band7-10MHz-16QAM-21400-1RB#0-Range1:30~1000MHz



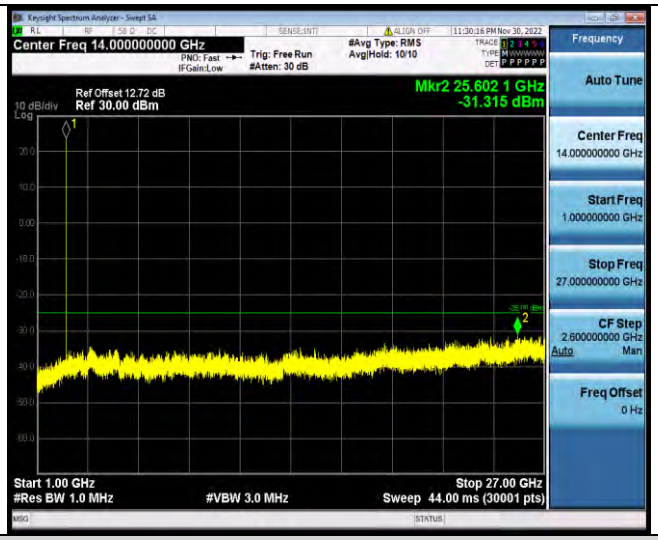
Band7-10MHz-16QAM-21400-1RB#0-Range2:1000~27000MHz



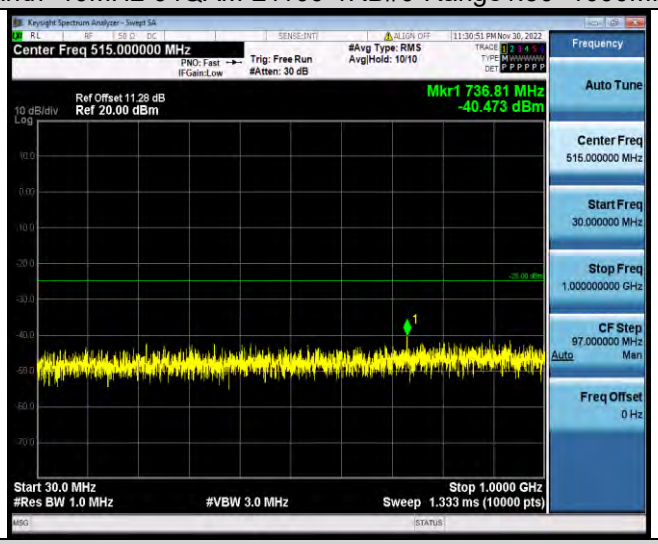
Band7-10MHz-64QAM-20800-1RB#0-Range1:30~1000MHz



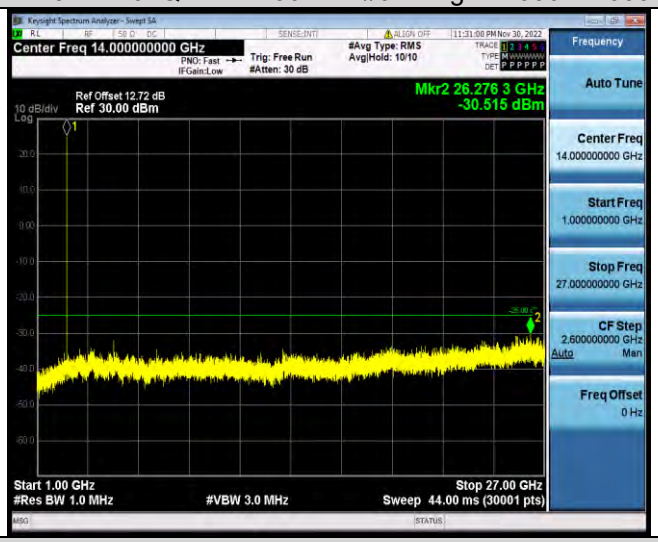
Band7-10MHz-64QAM-20800-1RB#0-Range2:1000~27000MHz



Band7-10MHz-64QAM-21100-1RB#0-Range1:30~1000MHz



Band7-10MHz-64QAM-21100-1RB#0-Range2:1000~27000MHz



Band7-10MHz-64QAM-21400-1RB#0-Range1:30~1000MHz