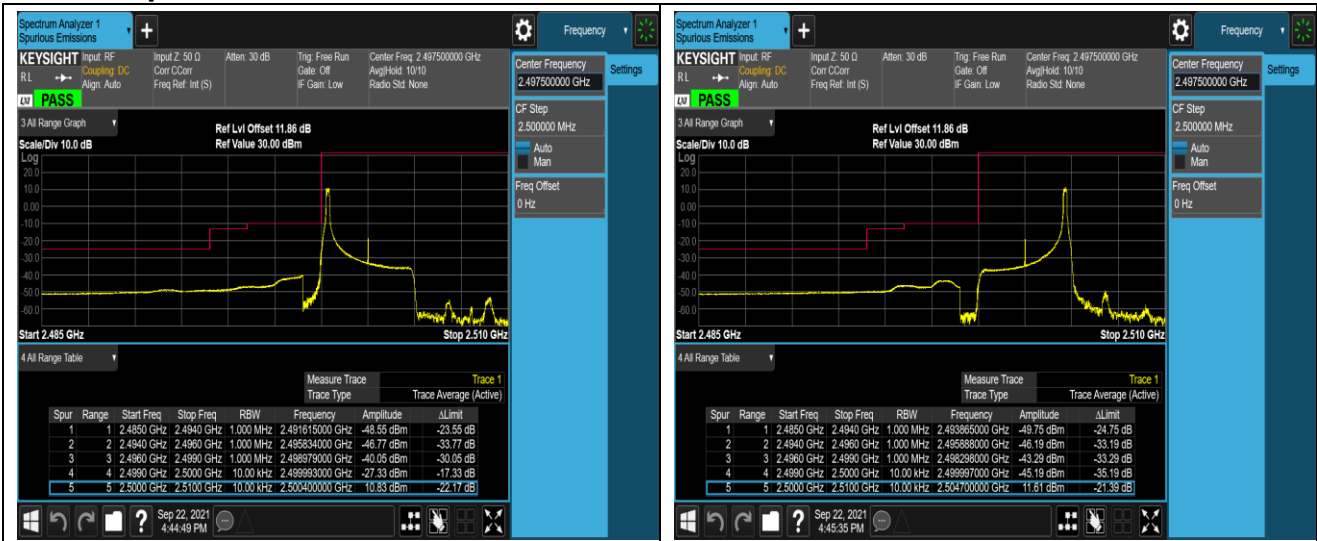
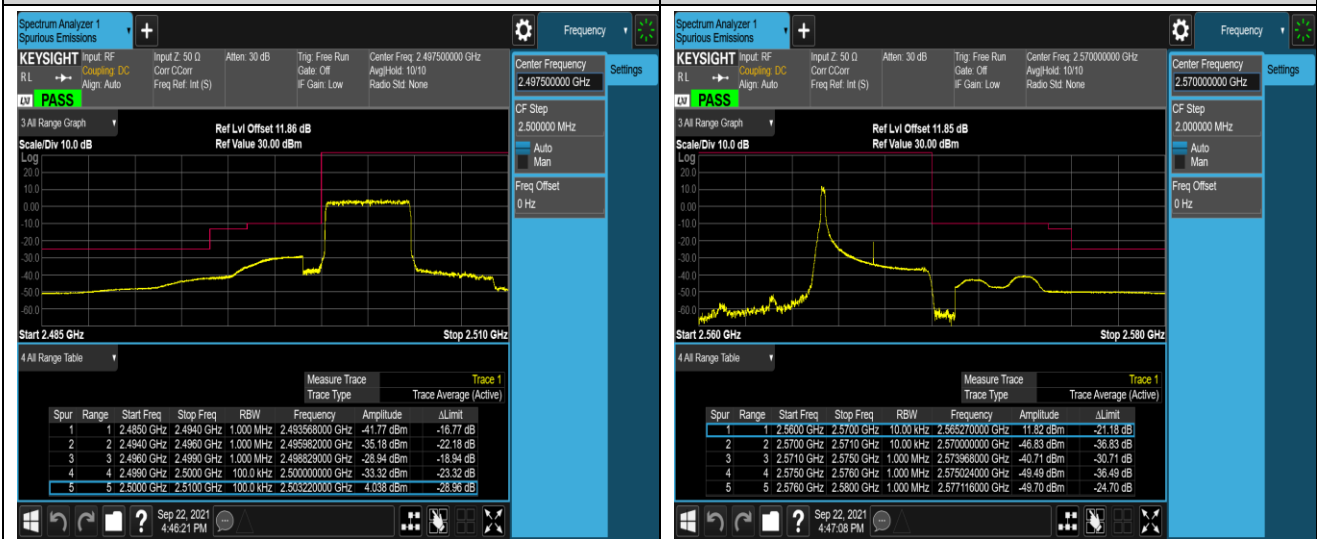


Test Graphs



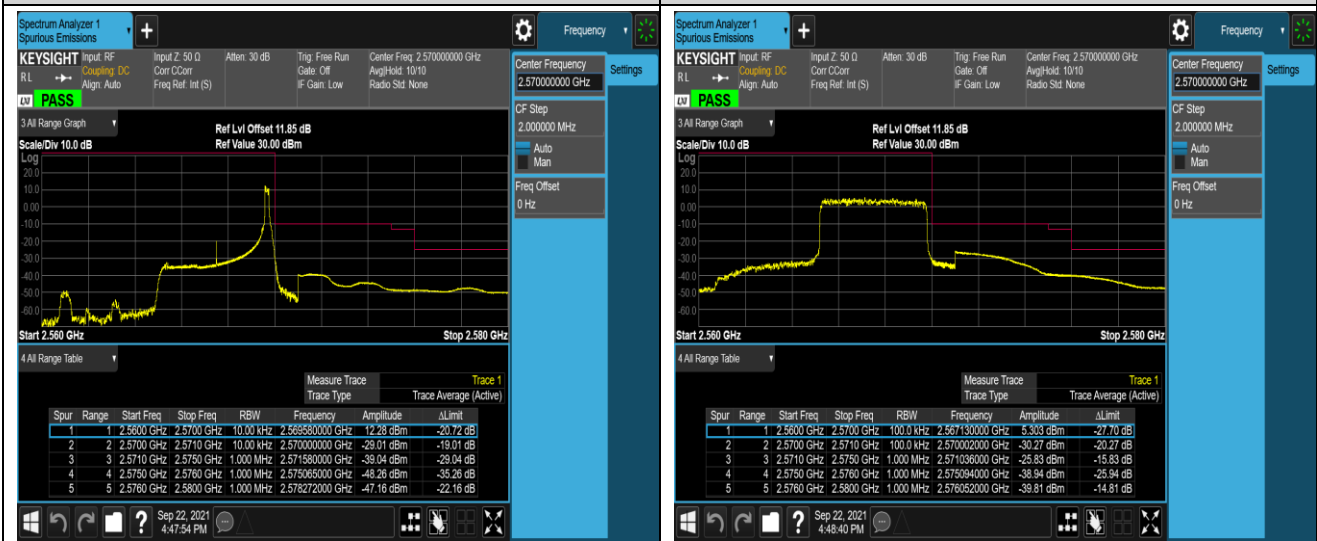
Band7-5MHz-QPSK-20775-1RB#0

Band7-5MHz-QPSK-20775-1RB#24



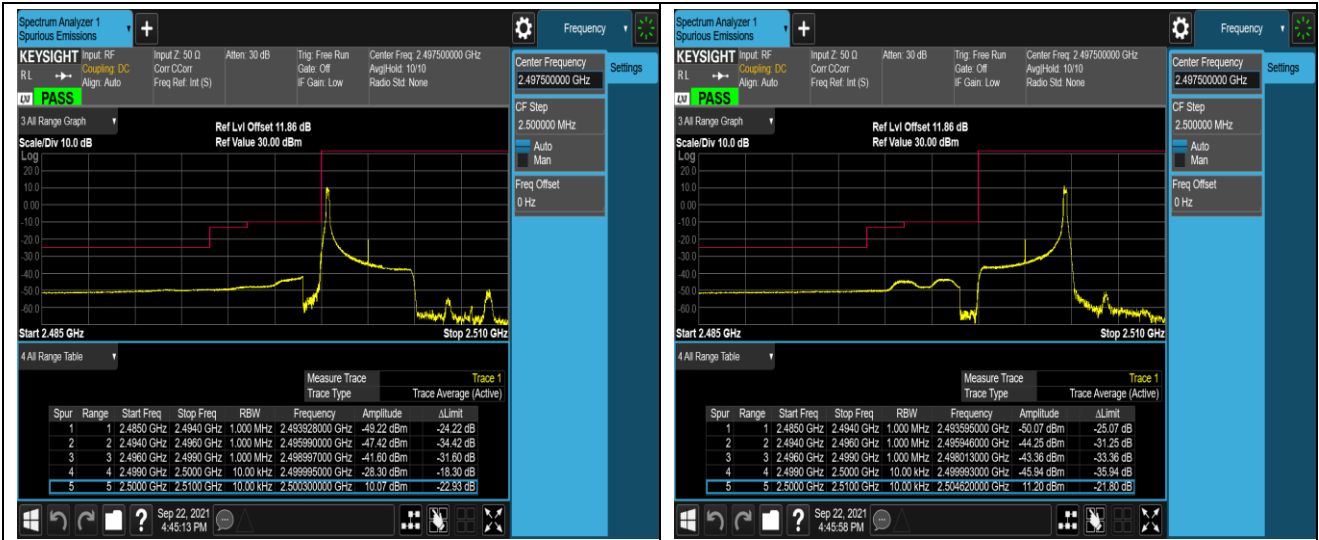
Band7-5MHz-QPSK-20775-25RB#0

Band7-5MHz-QPSK-21425-1RB#0



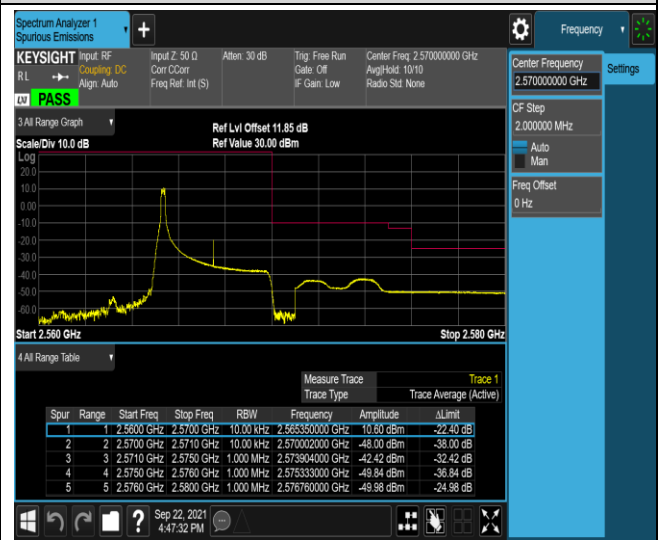
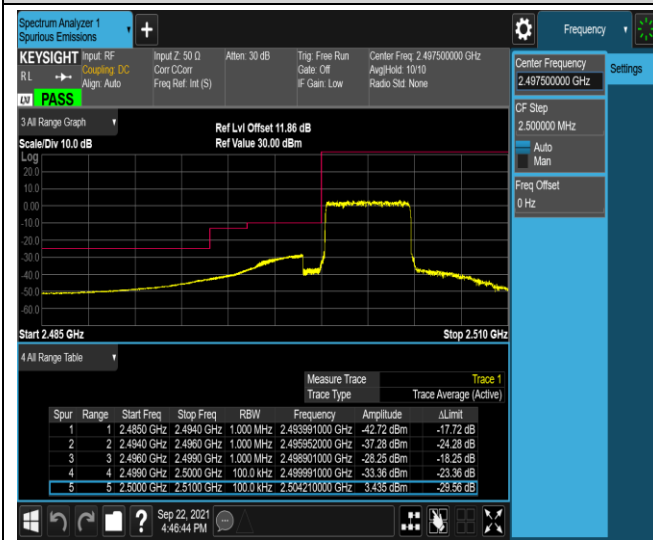
Band7-5MHz-QPSK-21425-1RB#24

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



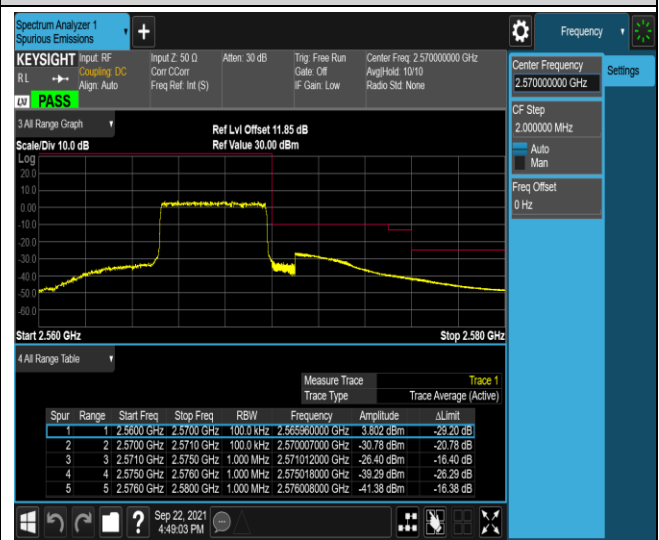
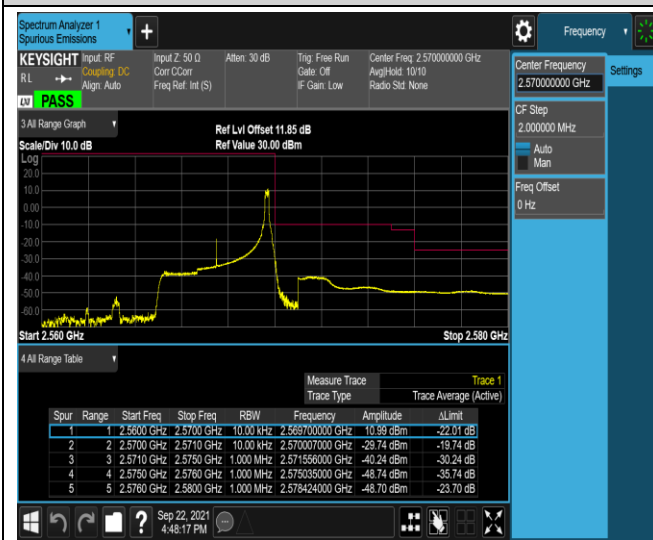
Band7-5MHz-16QAM-20775-1RB#0

Band7-5MHz-16QAM-20775-1RB#24



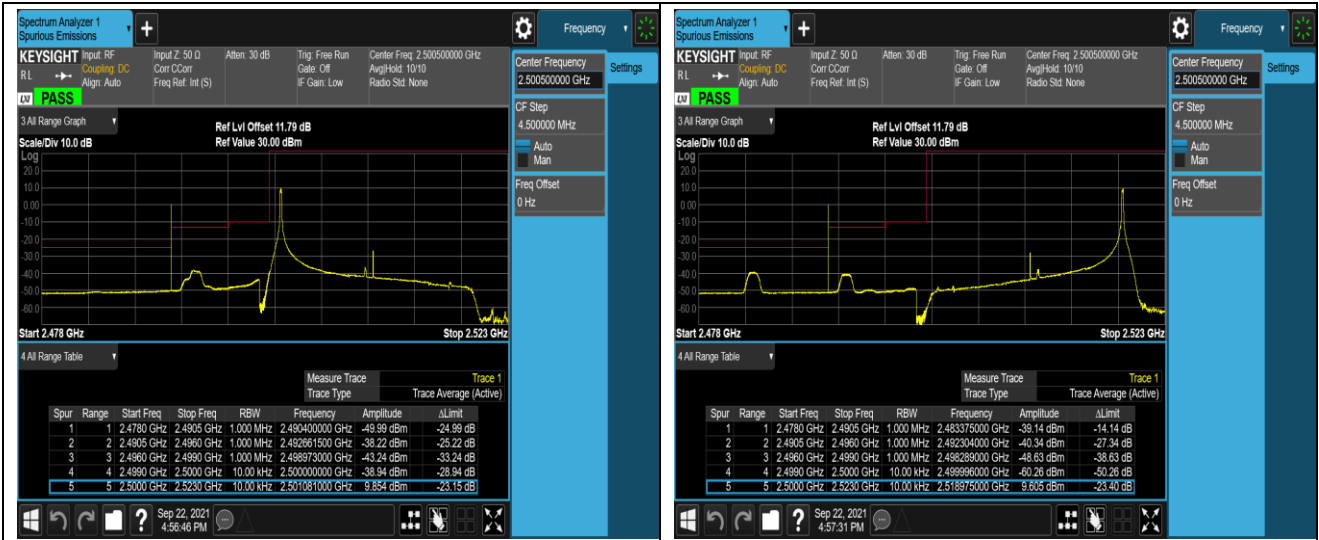
Band7-5MHz-16QAM-20775-25RB#0

Band7-5MHz-16QAM-21425-1RB#0



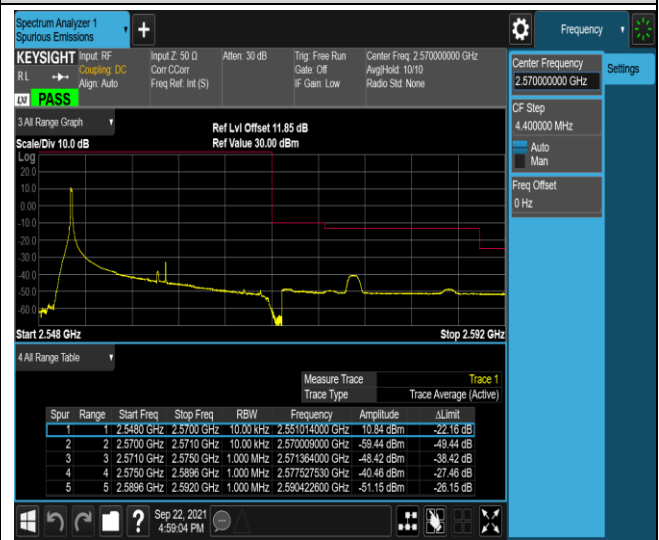
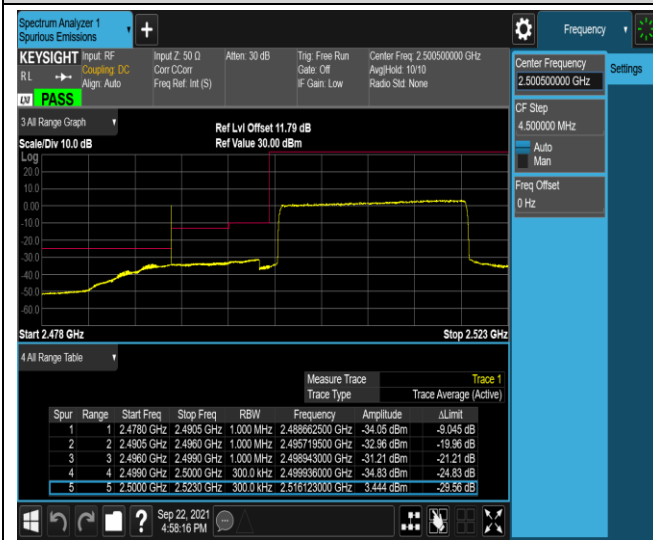
Band7-5MHz-16QAM-21425-1RB#24

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



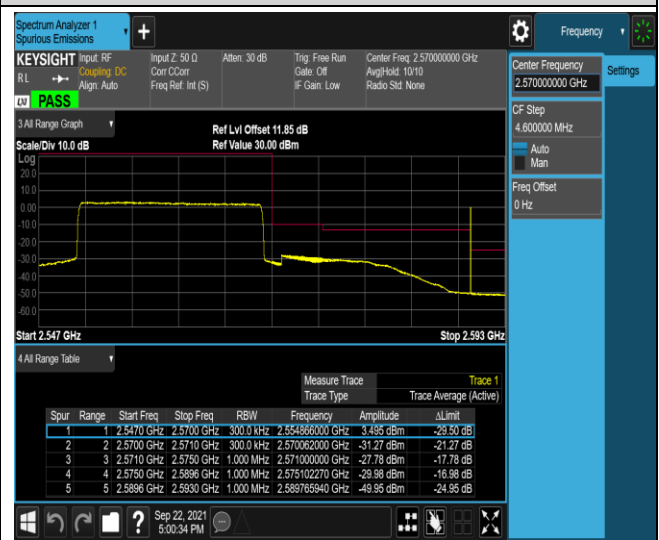
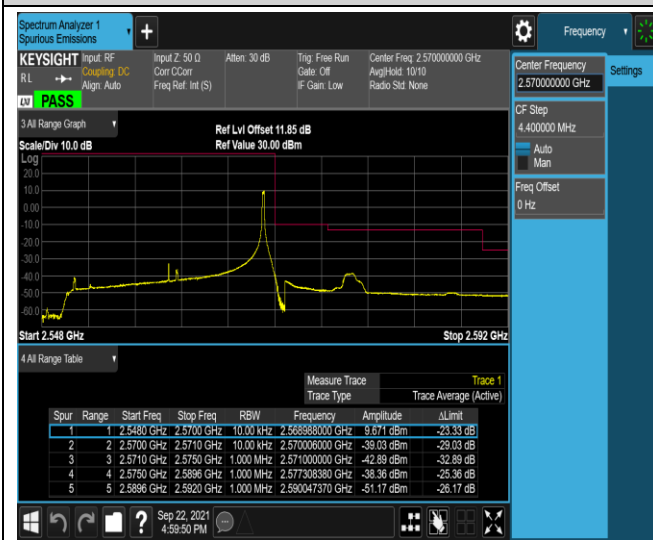
Band7-20MHz-QPSK-20850-1RB#0

Band7-20MHz-QPSK-20850-1RB#99



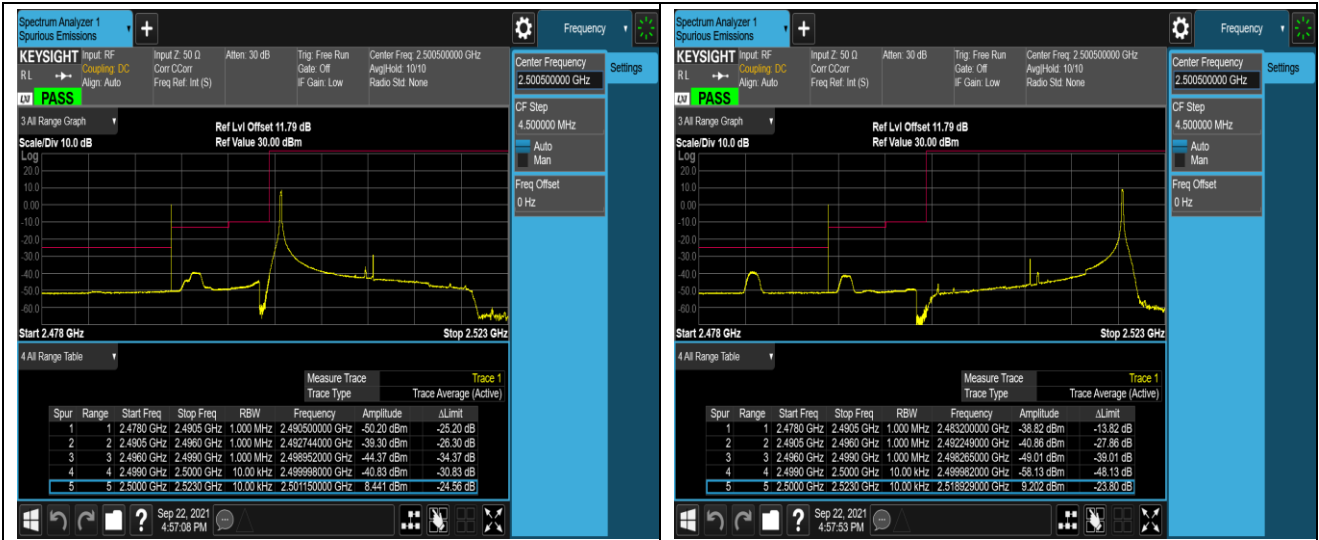
Band7-20MHz-QPSK-20850-100RB#0

Band7-20MHz-QPSK-21350-1RB#0



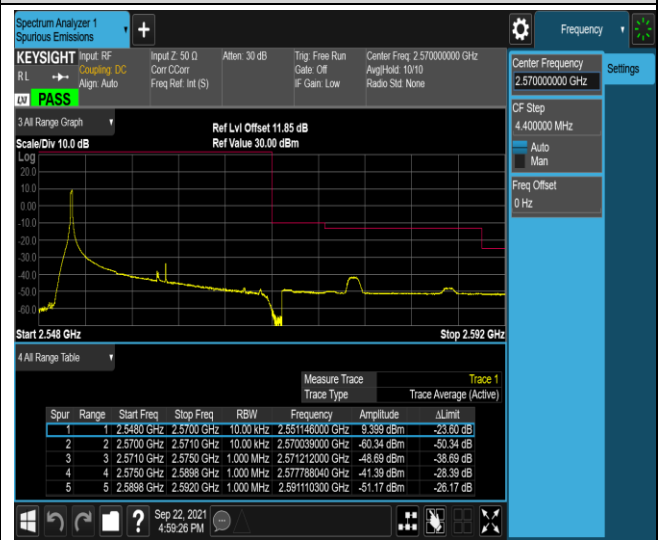
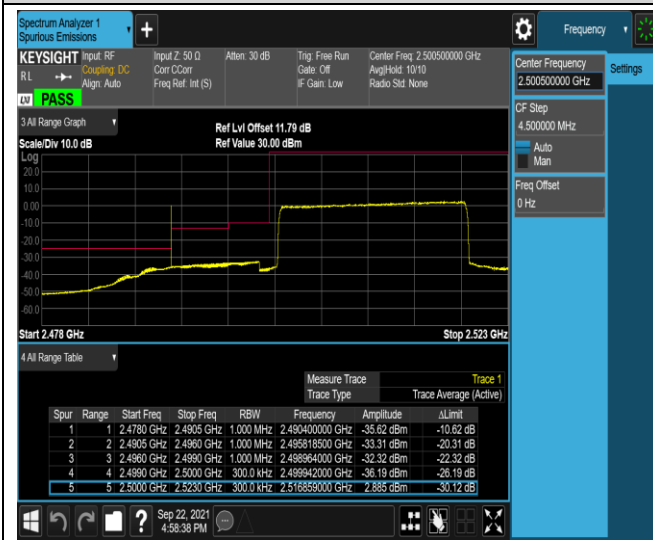
Band7-20MHz-QPSK-21350-1RB#99

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



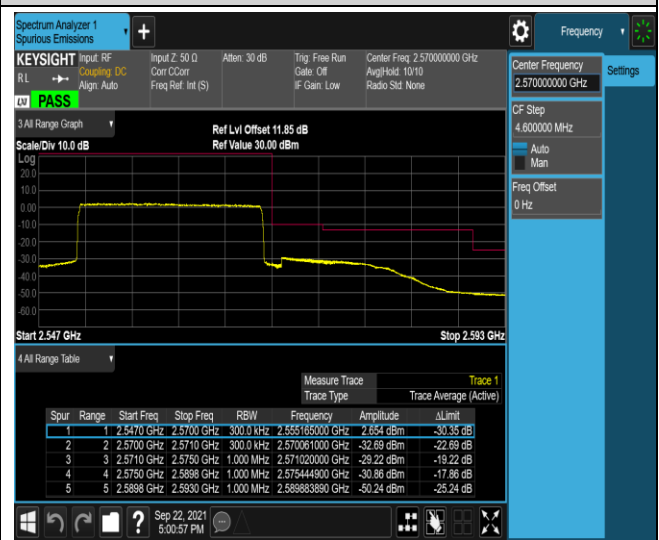
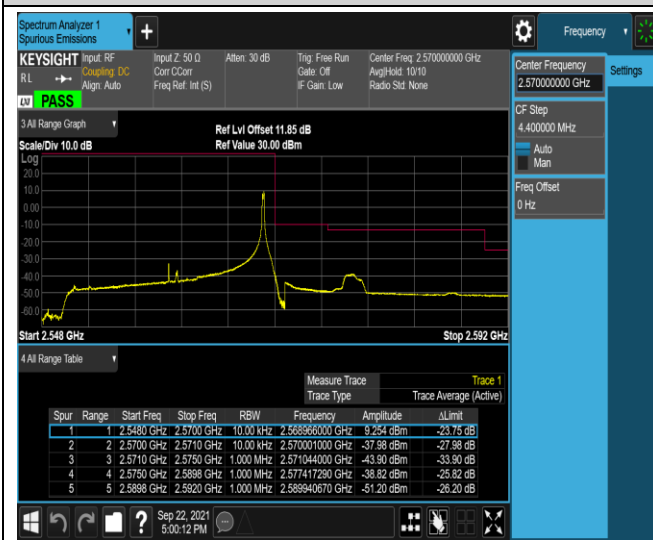
Band7-20MHz-16QAM-20850-1RB#0

Band7-20MHz-16QAM-20850-1RB#99



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

Band7-20MHz-16QAM-21350-1RB#0



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

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

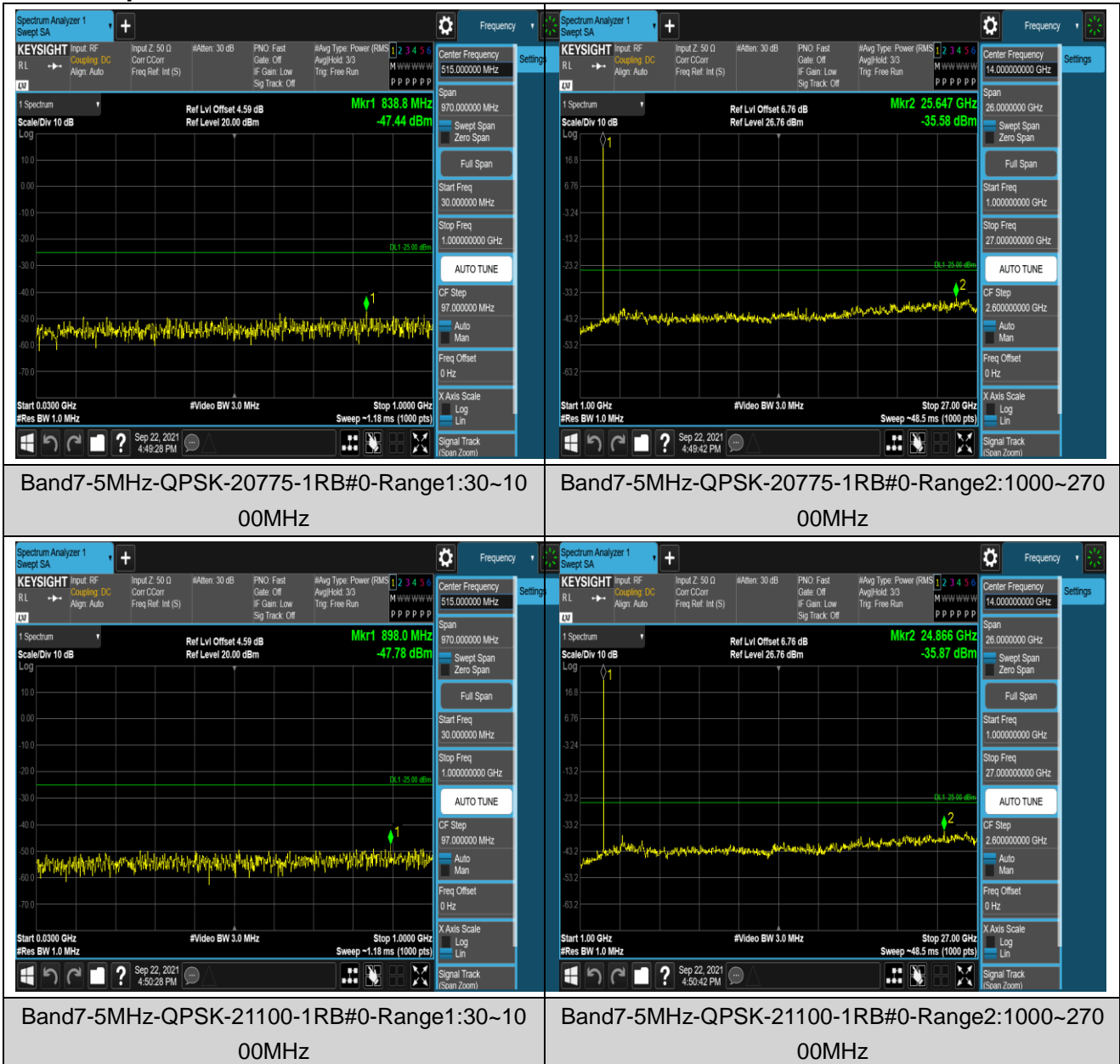
Appendix E: Conducted Spurious Emission

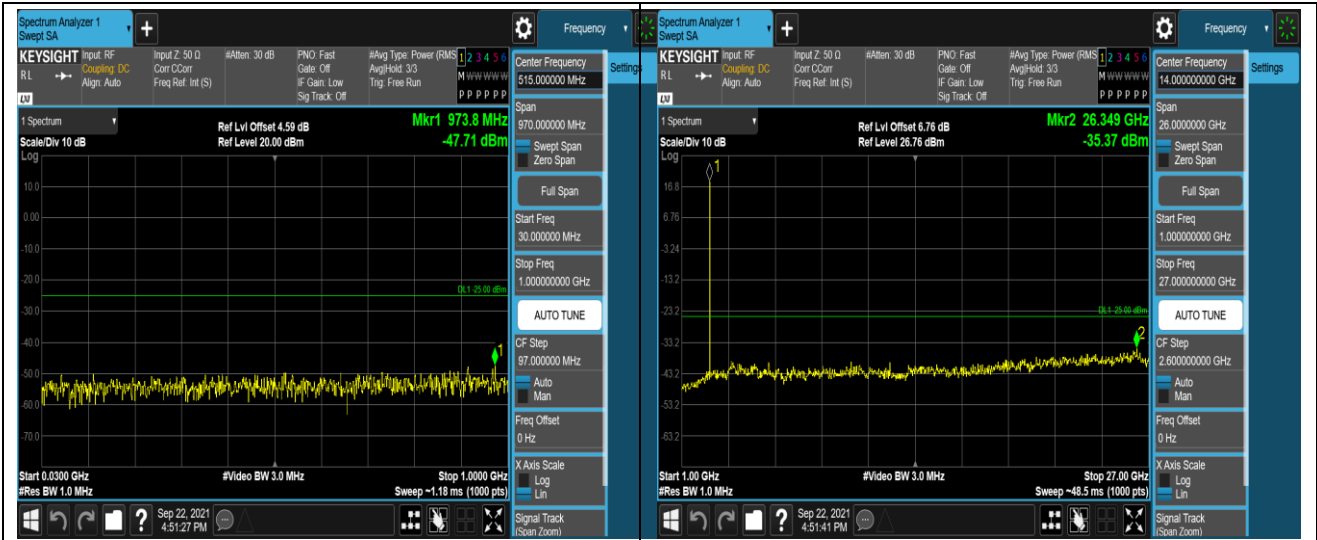
Test Result (worst case)

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	Range1:30~1000MHz	-47.44	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range2:1000~27000MHz	-35.58	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-47.79	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range2:1000~27000MHz	-35.87	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range1:30~1000MHz	-47.71	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range2:1000~27000MHz	-35.37	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range1:30~1000MHz	-47.74	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range2:1000~27000MHz	-34.37	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-48.05	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range2:1000~27000MHz	-35.69	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range1:30~1000MHz	-48.41	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range2:1000~27000MHz	-35.02	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range1:30~1000MHz	-48.26	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range2:1000~27000MHz	-35.84	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-48.4	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range2:1000~27000MHz	-35.53	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range1:30~1000MHz	-48.55	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range2:1000~27000MHz	-35.01	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range1:30~1000MHz	-47.9	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range2:1000~27000MHz	-36.37	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-48.29	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range2:1000~27000MHz	-35.58	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range1:30~1000MHz	-48.6	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range2:1000~27000MHz	-35.1	PASS

Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.

Test Graphs





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

Band7-5MHz-QPSK-21425-1RB#0-Range2:1000~2700MHz



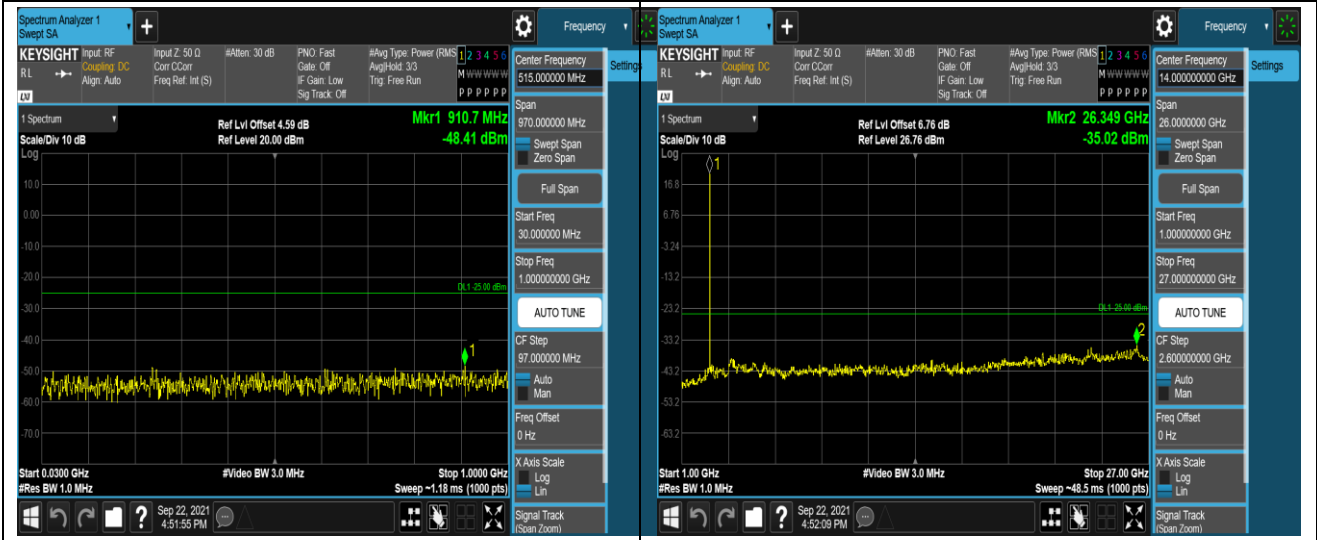
Band7-5MHz-16QAM-20775-1RB#0-Range1:30~1000MHz

Band7-5MHz-16QAM-20775-1RB#0-Range2:1000~2700MHz



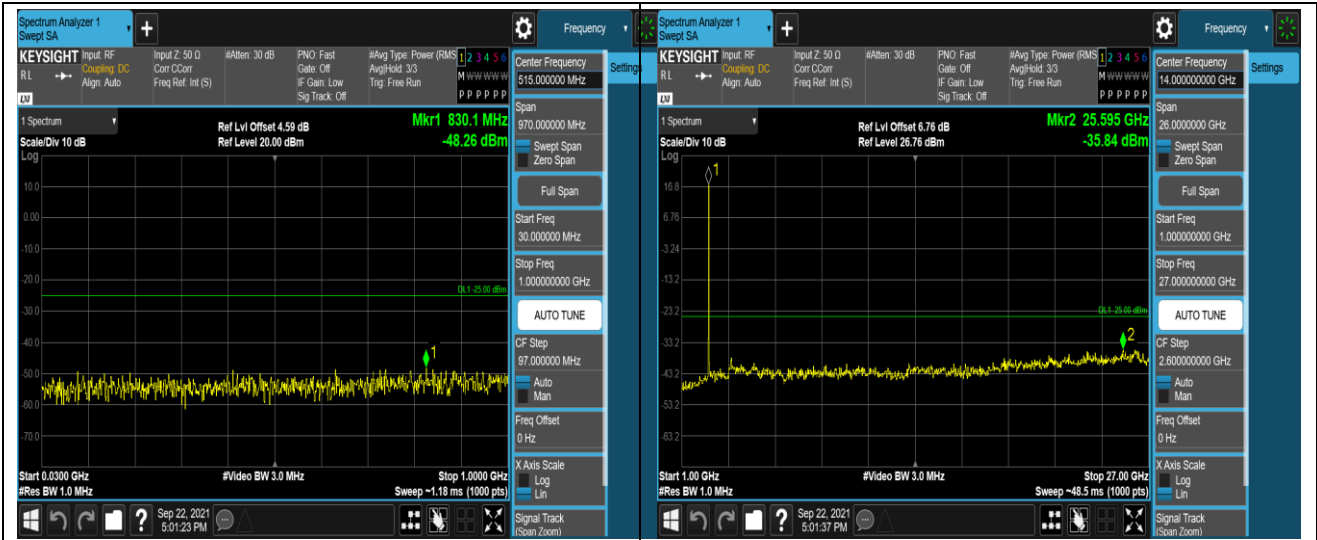
Band7-5MHz-16QAM-21100-1RB#0-Range1:30~1000MHz

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



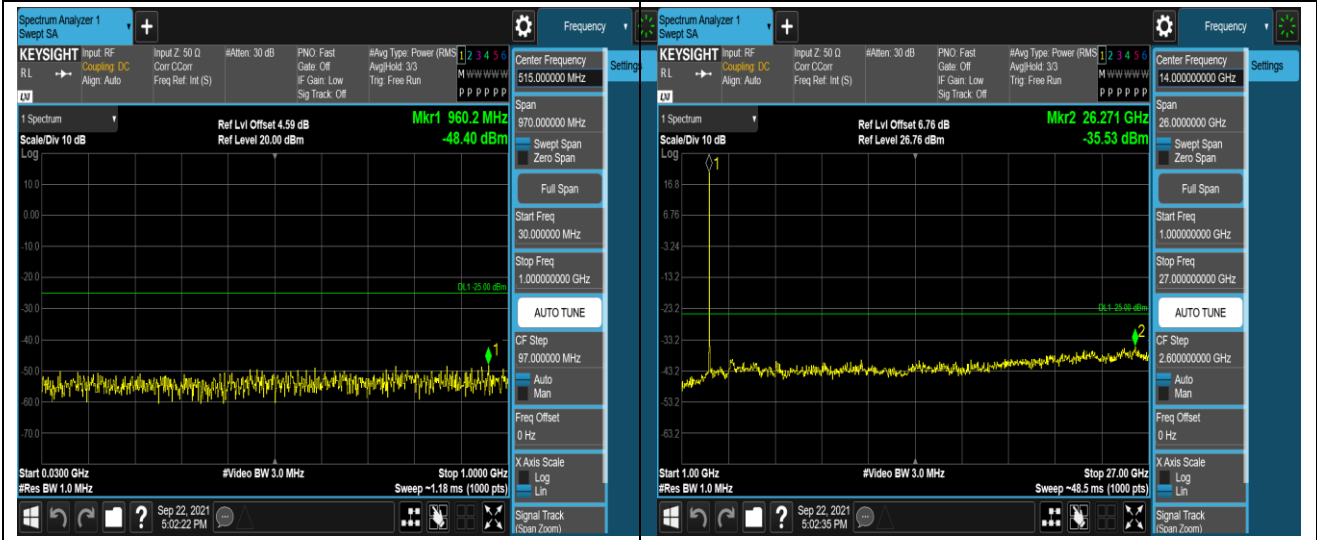
Band7-5MHz-16QAM-21425-1RB#0-Range1:30~1000MHz

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



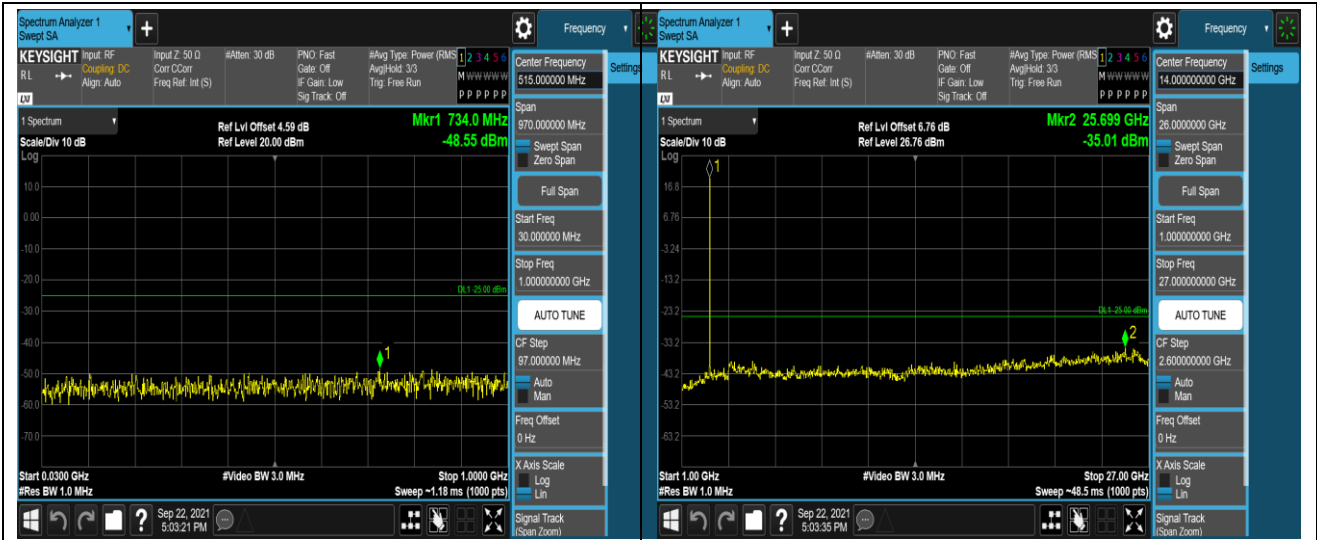
Band7-20MHz-QPSK-20850-1RB#0-Range1:30~1000MHz

Band7-20MHz-QPSK-20850-1RB#0-Range2:1000~27000MHz



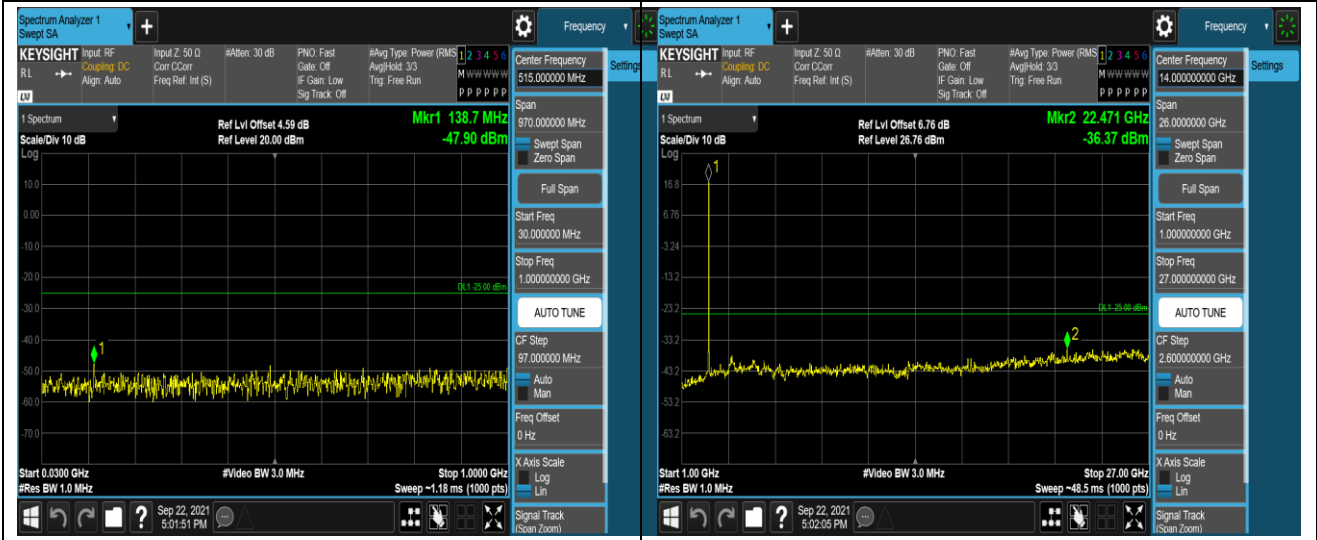
Band7-20MHz-QPSK-21100-1RB#0-Range1:30~1000MHz

Band7-20MHz-QPSK-21100-1RB#0-Range2:1000~27000MHz



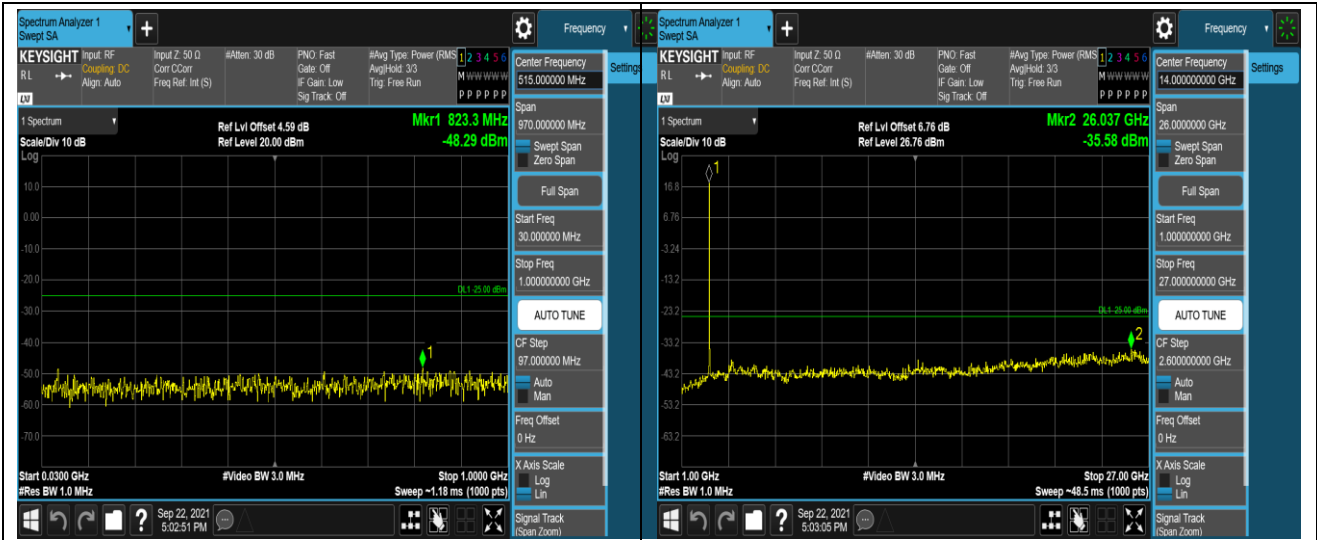
Band7-20MHz-QPSK-21350-1RB#0-Range1:30~1000MHz

Band7-20MHz-QPSK-21350-1RB#0-Range2:1000~27000MHz



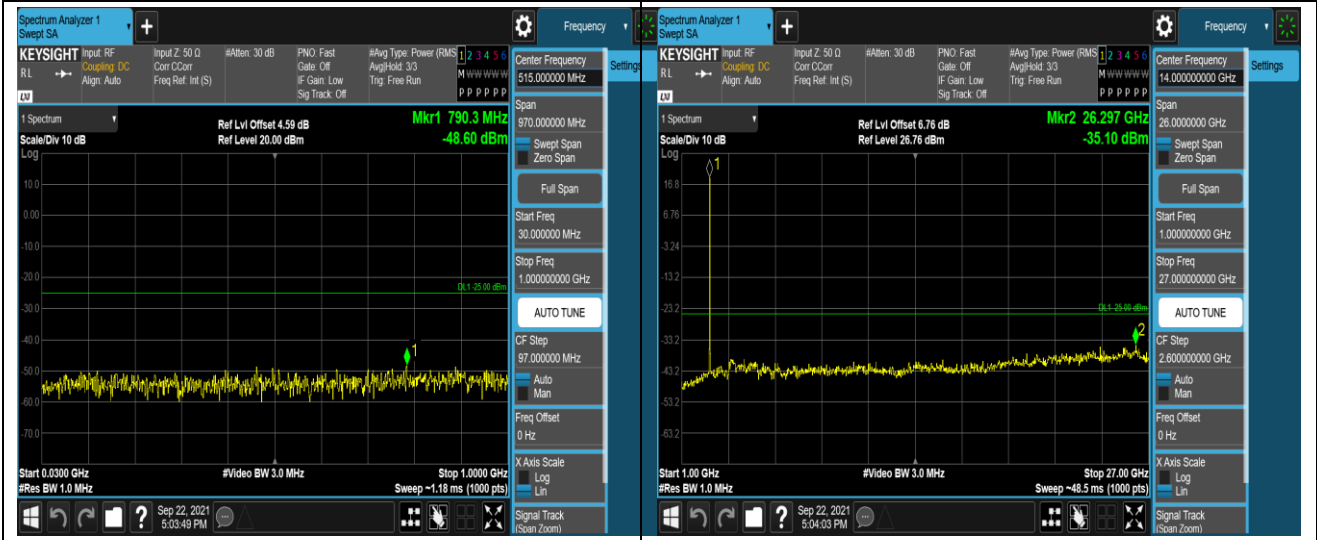
Band7-20MHz-16QAM-20850-1RB#0-Range1:30~1000MHz

Band7-20MHz-16QAM-20850-1RB#0-Range2:1000~27000MHz



Band7-20MHz-16QAM-21100-1RB#0-Range1:30~1000MHz

Band7-20MHz-16QAM-21100-1RB#0-Range2:1000~27000MHz



Band7-20MHz-16QAM-21350-1RB#0-Range1:30~1000MHz

Band7-20MHz-16QAM-21350-1RB#0-Range2:1000~27000MHz

Appendix F: Frequency Stability

Test Result

LTE Band 7 part:

Reference Frequency: LTE Band 7(10MHz) Middle channel=21100 Frequency=2535.0MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.80	-30	-29.04	-0.011456	Within authorized band for Band 7	Pass
	-20	-43.23	-0.017053		
	-10	-47.91	-0.018899		
	0	-43.07	-0.016990		
	10	-49.40	-0.019487		
	20	-43.10	-0.017002		
	30	-36.79	-0.014513		
	40	-34.68	-0.013680		
	50	-26.09	-0.010292		
16QAM					
3.80	-30	-38.39	-0.015144	Within authorized band for Band 7	Pass
	-20	-32.14	-0.012679		
	-10	-50.01	-0.019728		
	0	12.85	0.005069		
	10	-38.94	-0.015361		
	20	-23.07	-0.009101		
	30	-42.21	-0.016651		
	40	-16.68	-0.006580		
	50	-26.01	-0.010260		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	3.30	30.27	0.011941	Within authorized band for Band 7	Pass
	3.80	-74.87	-0.029535		
	4.40	19.17	0.007562		
16QAM					
25	3.30	-44.39	-0.017511	Within authorized band for Band 7	Pass
	3.80	-25.65	-0.010118		
	4.40	-40.37	-0.015925		

Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.

Appendix G: Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band7	20MHz	QPSK	21100	100RB#0	PASS	PASS
Band7	20MHz	16QAM	21100	100RB#0	PASS	PASS

Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.

Test Graphs

