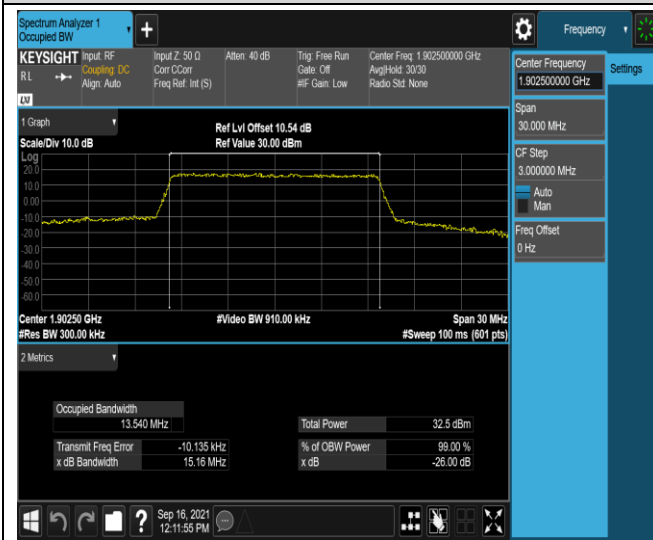
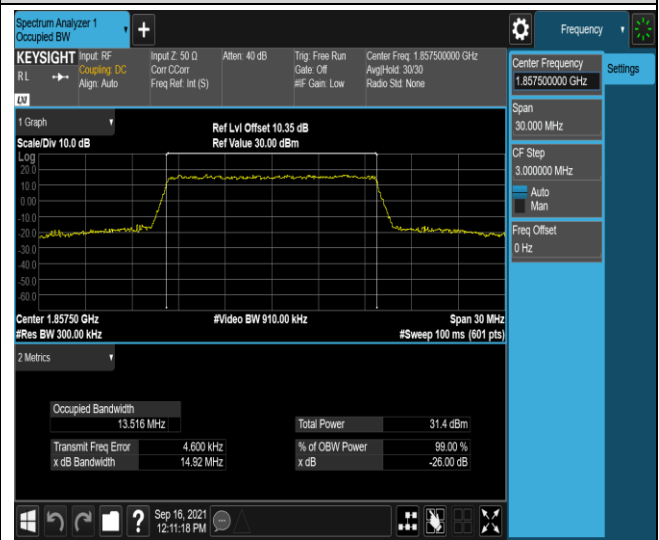


Band2-15MHz-QPSK-18675-75RB#0

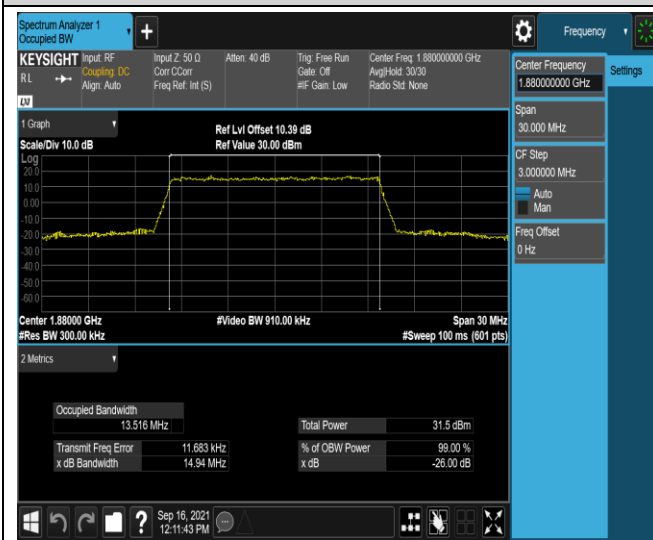
Band2-15MHz-QPSK-18900-75RB#0



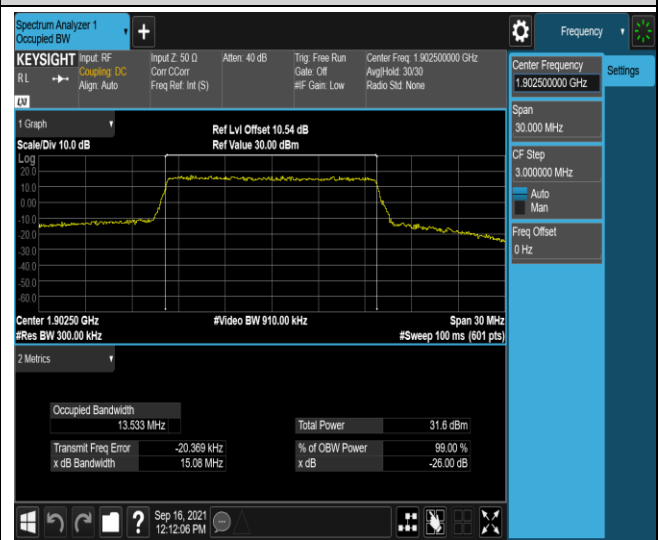
Band2-15MHz-QPSK-19125-75RB#0



Band2-15MHz-16QAM-18675-75RB#0



Band2-15MHz-16QAM-18900-75RB#0

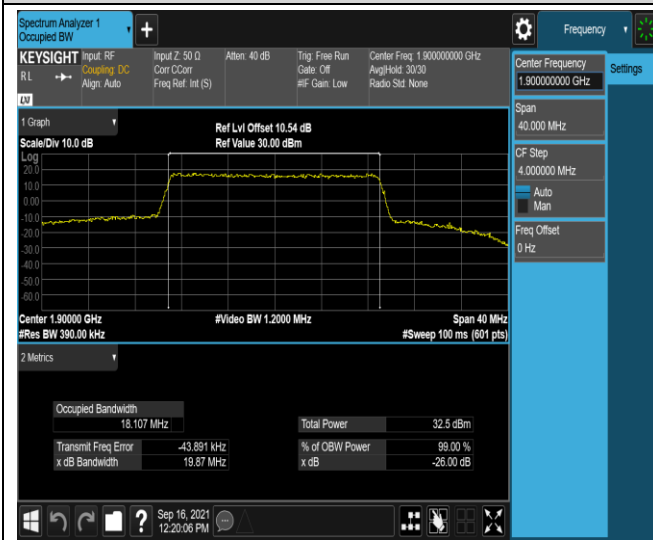


Band2-15MHz-16QAM-19125-75RB#0

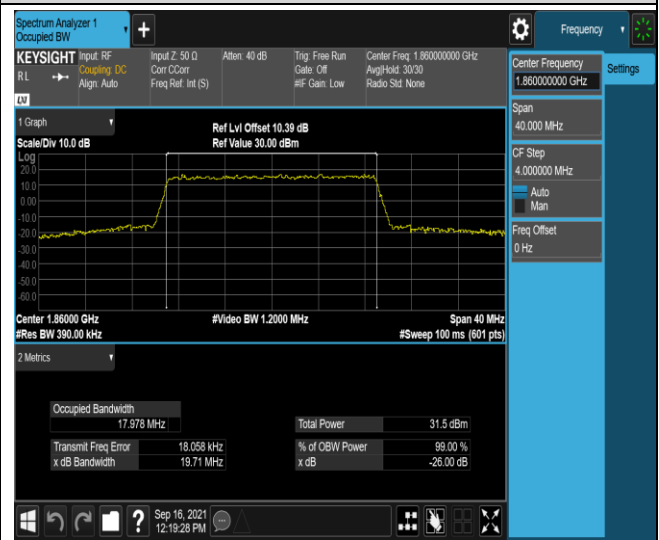


Band2-20MHz-QPSK-18700-100RB#0

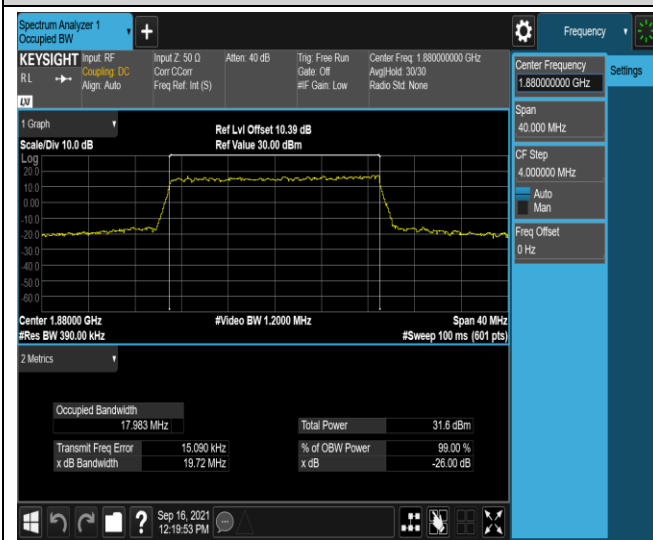
Band2-20MHz-QPSK-18900-100RB#0



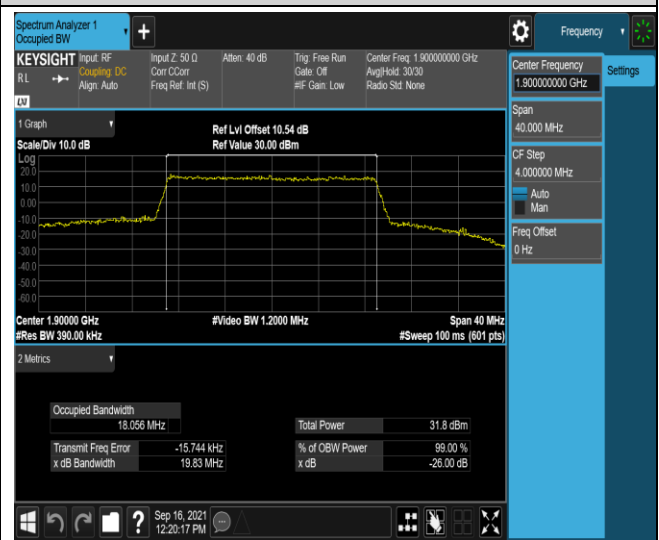
Band2-20MHz-QPSK-19100-100RB#0



Band2-20MHz-16QAM-18700-100RB#0



Band2-20MHz-16QAM-18900-100RB#0



Band2-20MHz-16QAM-19100-100RB#0

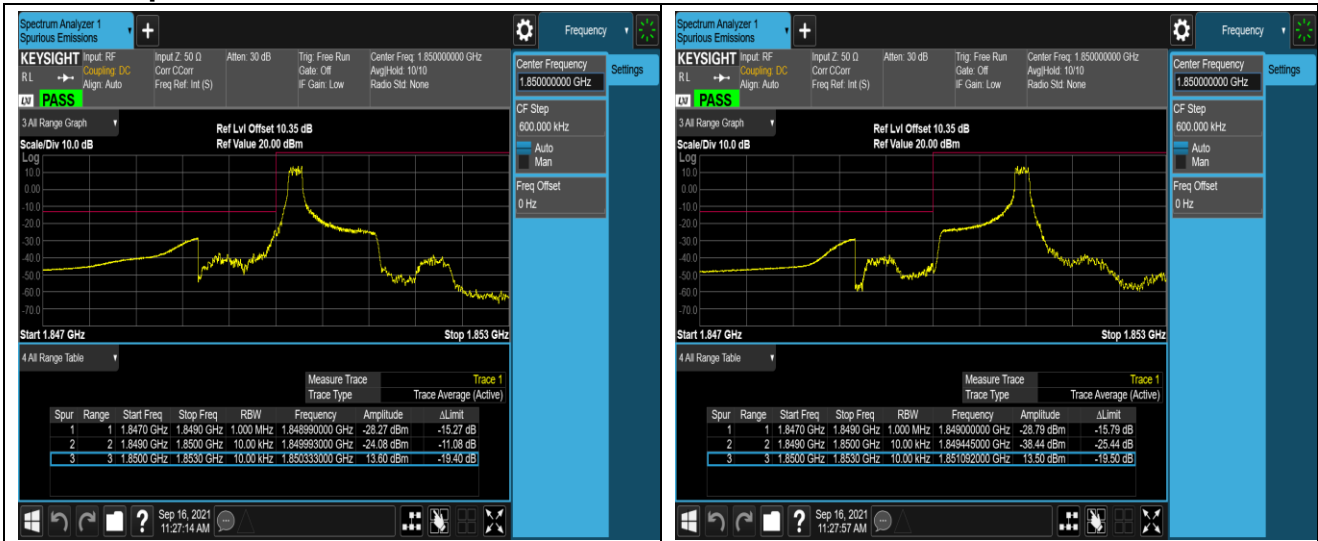
Appendix D: Band Edge

Test Result (worst case)

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	-28.27,-24.08	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	-28.79,-38.44	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	-27.65,-24.58	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	-42.02,-31.22	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	-24.37,-29.91	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	-22.69,-24.96	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	-30.64,-28.29	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	-31.21,-40.36	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	-30.13,-26.39	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	-40.88,-33.34	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	-26.94,-32.14	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	-22.24,-26.09	PASS
Band2	20MHz	QPSK	18700	1RB#0	-43.49,-39.75	PASS
Band2	20MHz	QPSK	18700	1RB#99	-35.90,-59.68	PASS
Band2	20MHz	QPSK	18700	100RB#0	-27.00,-30.53	PASS
Band2	20MHz	QPSK	19100	1RB#0	-59.84,-46.86	PASS
Band2	20MHz	QPSK	19100	1RB#99	-35.27,-43.71	PASS
Band2	20MHz	QPSK	19100	100RB#0	-24.97,-21.36	PASS
Band2	20MHz	16QAM	18700	1RB#0	-44.93,-36.76	PASS
Band2	20MHz	16QAM	18700	1RB#99	-38.36,-59.40	PASS
Band2	20MHz	16QAM	18700	100RB#0	-31.28,-33.90	PASS
Band2	20MHz	16QAM	19100	1RB#0	-58.76,-48.51	PASS
Band2	20MHz	16QAM	19100	1RB#99	-36.90,-44.80	PASS
Band2	20MHz	16QAM	19100	100RB#0	-29.31,-26.34	PASS

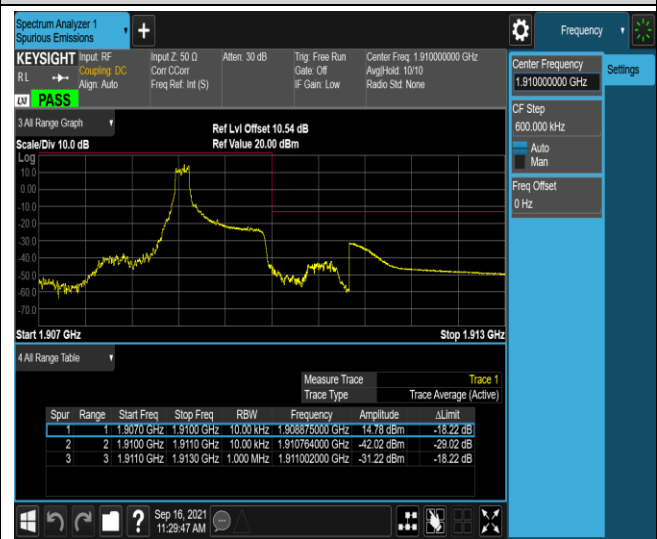
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.

Test Graphs



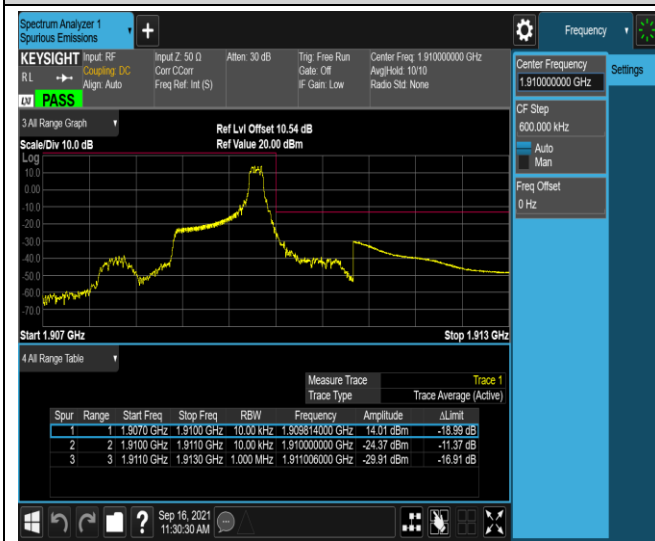
Band2-1.4MHz-FPSK-18607-1RB#0

Band2-1.4MHz-QPSK-18607-1RB#5



Band2-1.4MHz-QPSK-18607-6RB#0

Band2-1.4MHz-QPSK-19193-1RB#0



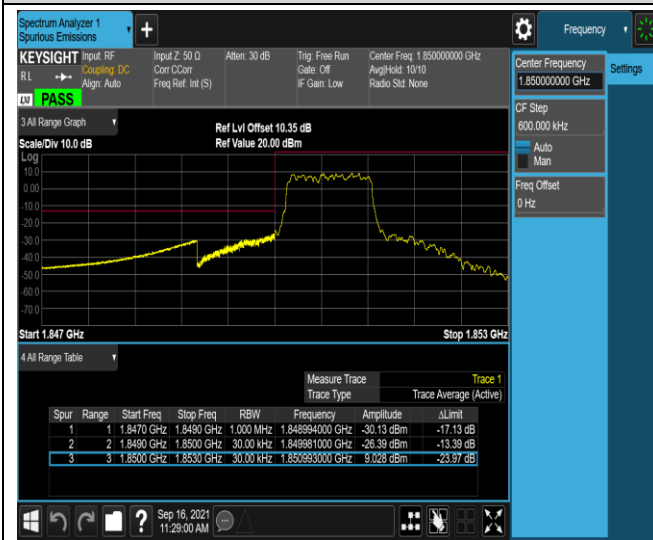
Band2-1.4MHz-QPSK-19193-1RB#5

Band2-1.4MHz-QPSK-19193-6RB#0

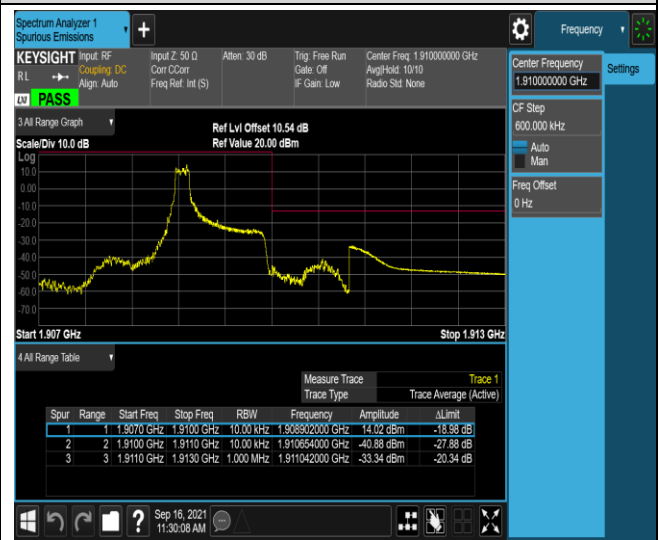


Band2-1.4MHz-16QAM-18607-1RB#0

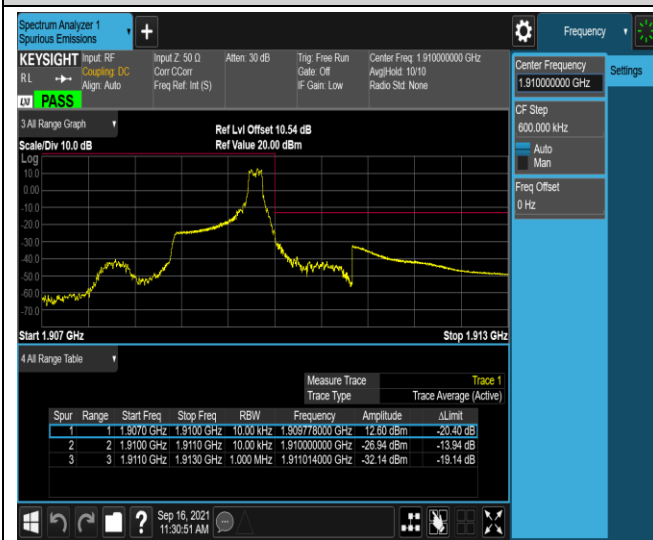
Band2-1.4MHz-16QAM-18607-1RB#5



Band2-1.4MHz-16QAM-18607-6RB#0



Band2-1.4MHz-16QAM-19193-1RB#0



Band2-1.4MHz-16QAM-19193-1RB#5

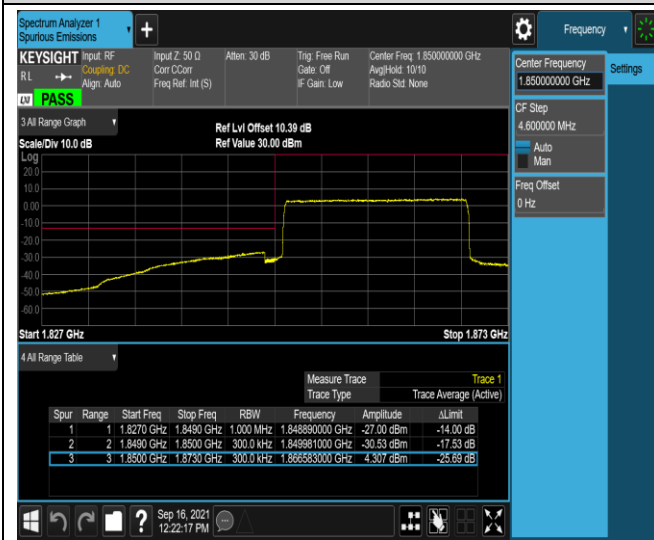


Band2-1.4MHz-16QAM-19193-6RB#0



Band2-20MHz-QPSK-18700-1RB#0

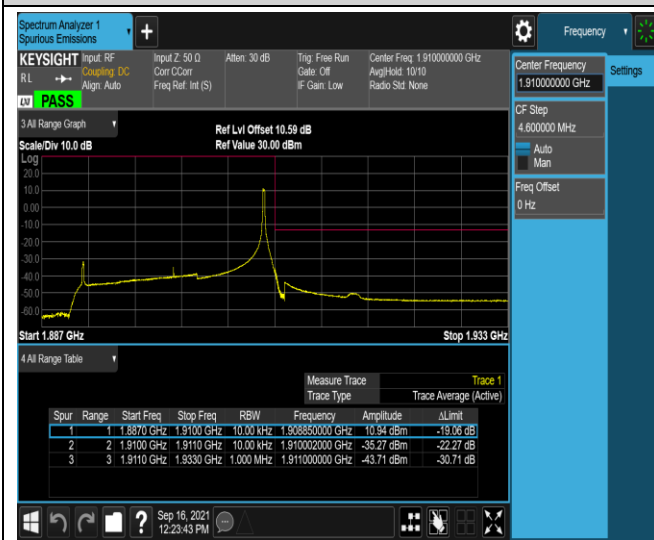
Band2-20MHz-QPSK-18700-1RB#99



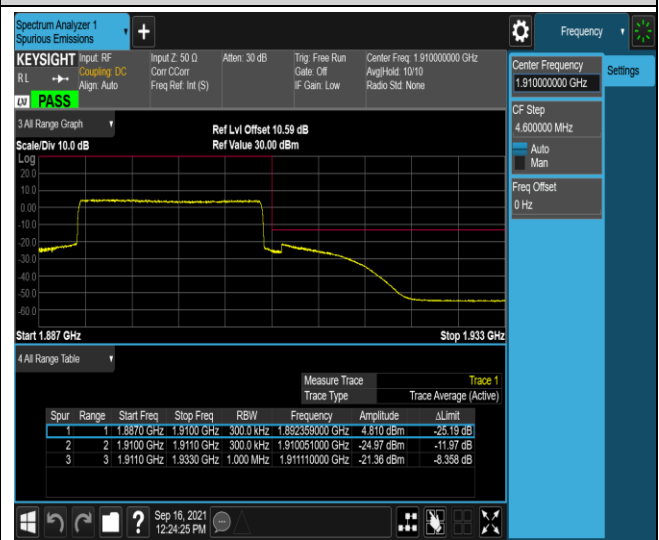
Band2-20MHz-QPSK-18700-100RB#0



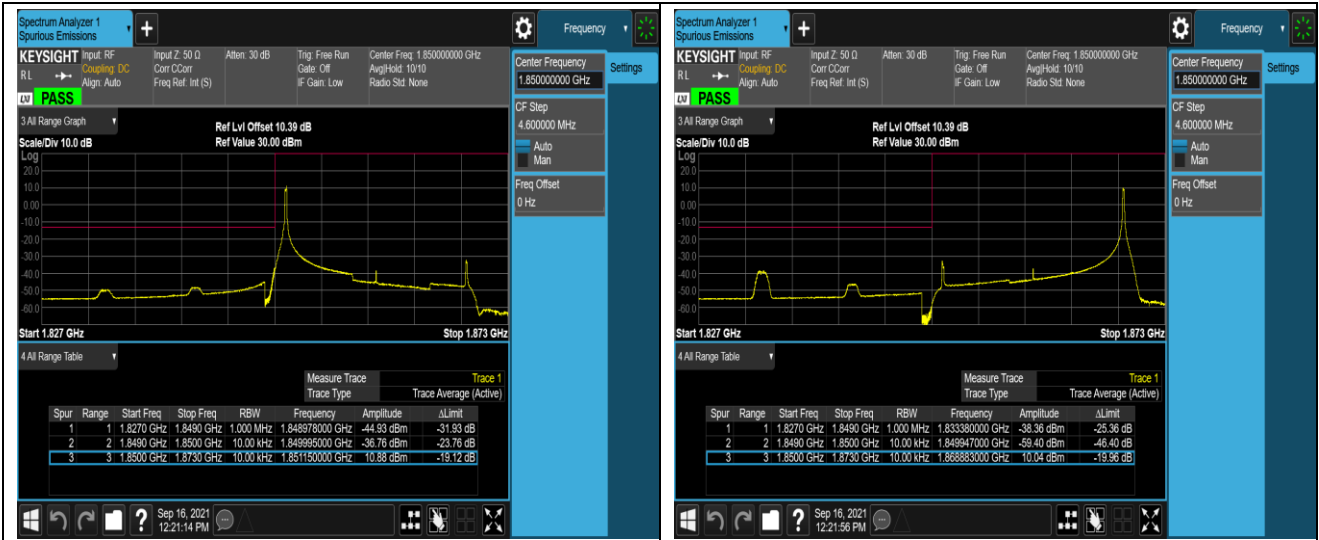
Band2-20MHz-QPSK-19100-1RB#0



Band2-20MHz-QPSK-19100-1RB#99

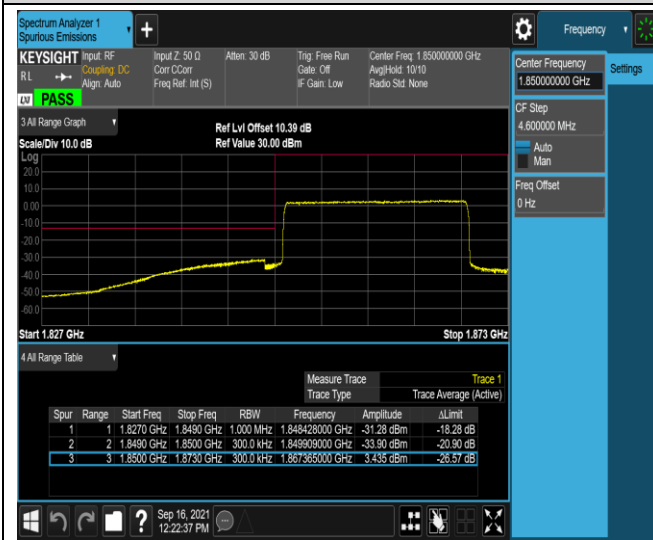


Band2-20MHz-QPSK-19100-100RB#0

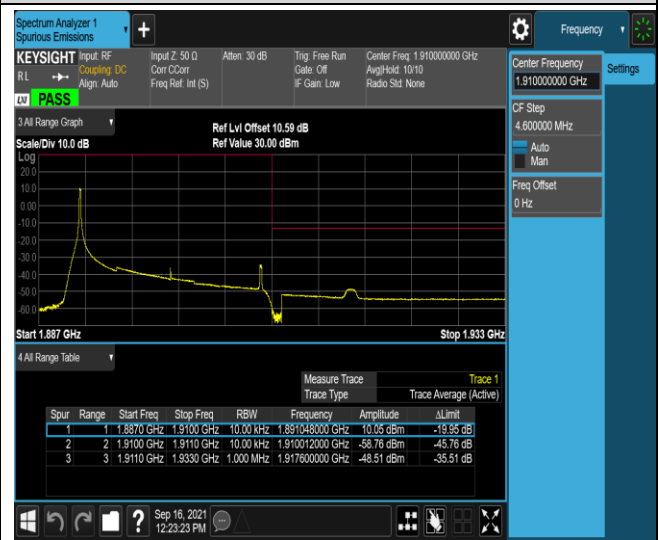


Band2-20MHz-16QAM-18700-1RB#0

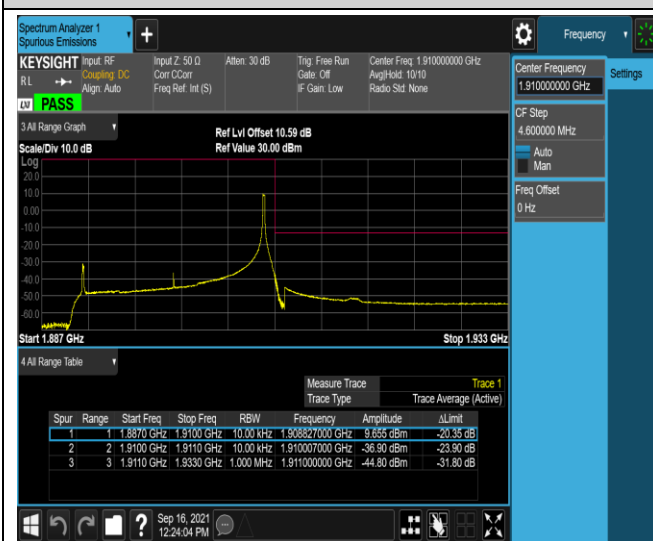
Band2-20MHz-16QAM-18700-1RB#99



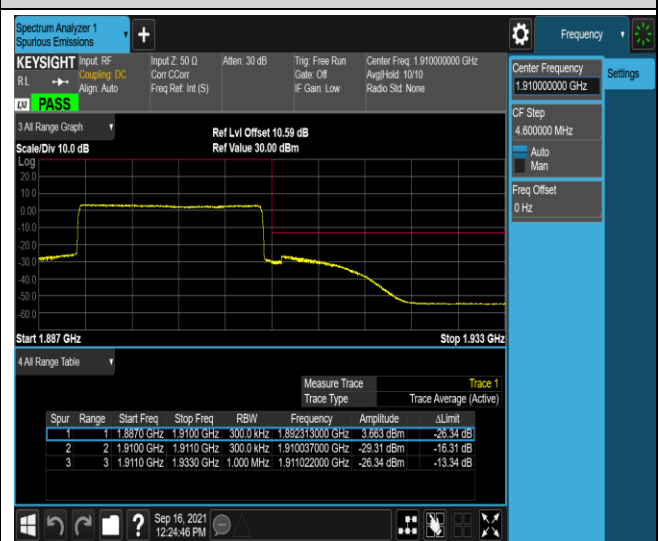
Band2-20MHz-16QAM-18700-100RB#0



Band2-20MHz-16QAM-19100-1RB#0



Band2-20MHz-16QAM-19100-1RB#99



Band2-20MHz-16QAM-19100-100RB#0

Appendix E: Conducted Spurious Emission

Test Result (worst case)

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	Range1:30~1000MHz	-36.96	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	Range2:1000~20000MHz	-37.82	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-38.15	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-38.6	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range1:30~1000MHz	-37.52	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range2:1000~20000MHz	-37.47	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	Range1:30~1000MHz	-38.12	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	Range2:1000~20000MHz	-38.26	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-37.94	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	Range2:1000~20000MHz	-37.27	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	Range1:30~1000MHz	-36.49	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	Range2:1000~20000MHz	-38.67	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range1:30~1000MHz	-38.06	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range2:1000~20000MHz	-37.93	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-37.38	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-38.14	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range1:30~1000MHz	-38.07	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range2:1000~20000MHz	-38.77	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range1:30~1000MHz	-37.14	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range2:1000~20000MHz	-39.2	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-37.13	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range2:1000~20000MHz	-38.69	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range1:30~1000MHz	-36.17	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range2:1000~20000MHz	-38.33	PASS

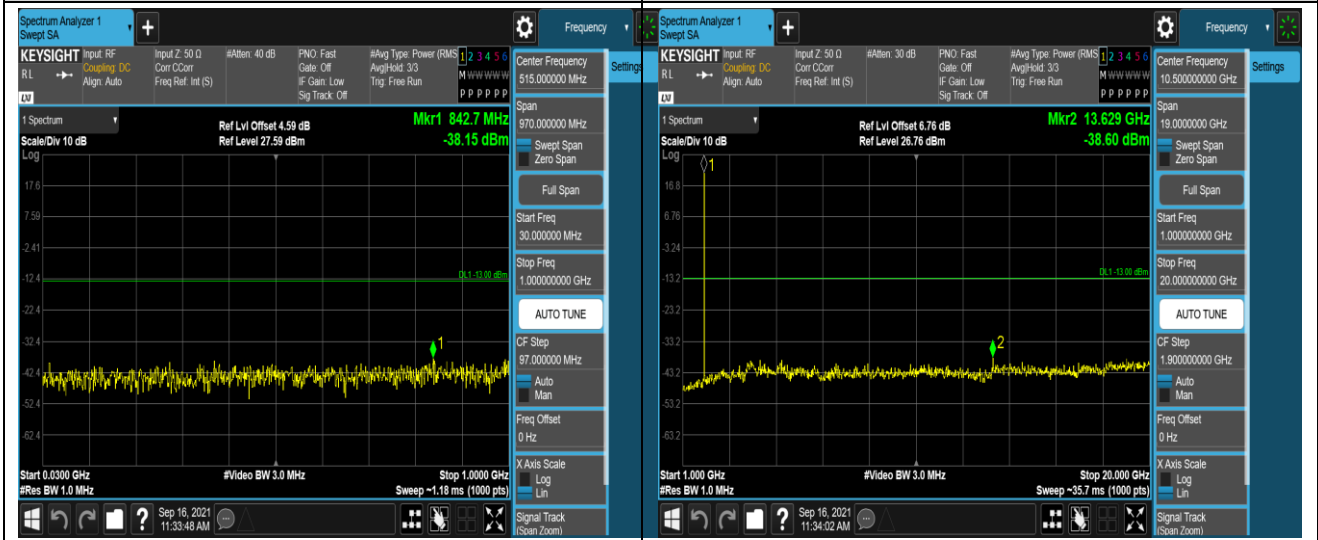
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.

Test Graphs



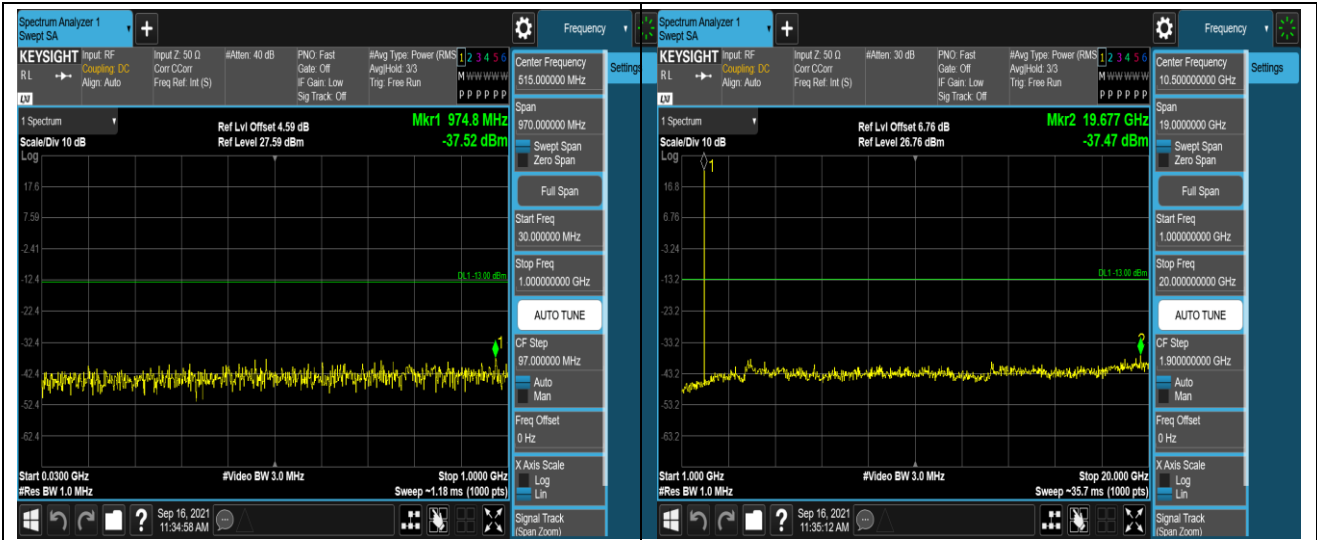
Band2-1.4MHz-QPSK-18607-1RB#0-Range1:30~1000MHz

Band2-1.4MHz-QPSK-18607-1RB#0-Range2:1000~20000MHz



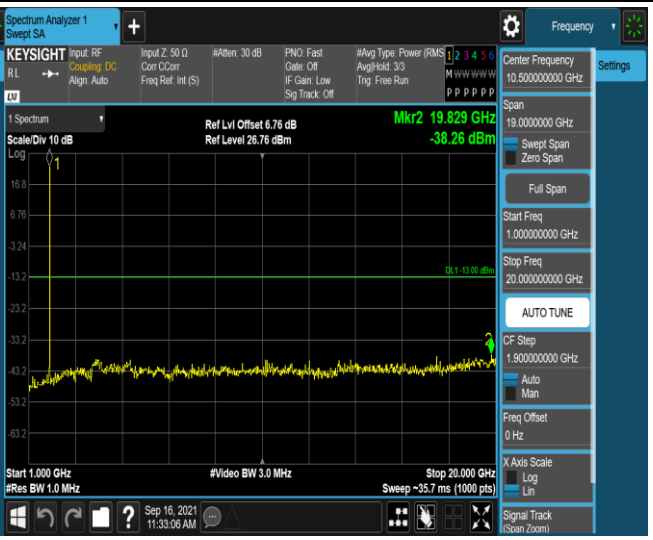
Band2-1.4MHz-QPSK-18900-1RB#0-Range1:30~1000MHz

Band2-1.4MHz-QPSK-18900-1RB#0-Range2:1000~20000MHz



Band2-1.4MHz-QPSK-19193-1RB#0-Range1:30~1000MHz

Band2-1.4MHz-QPSK-19193-1RB#0-Range2:1000~20000MHz



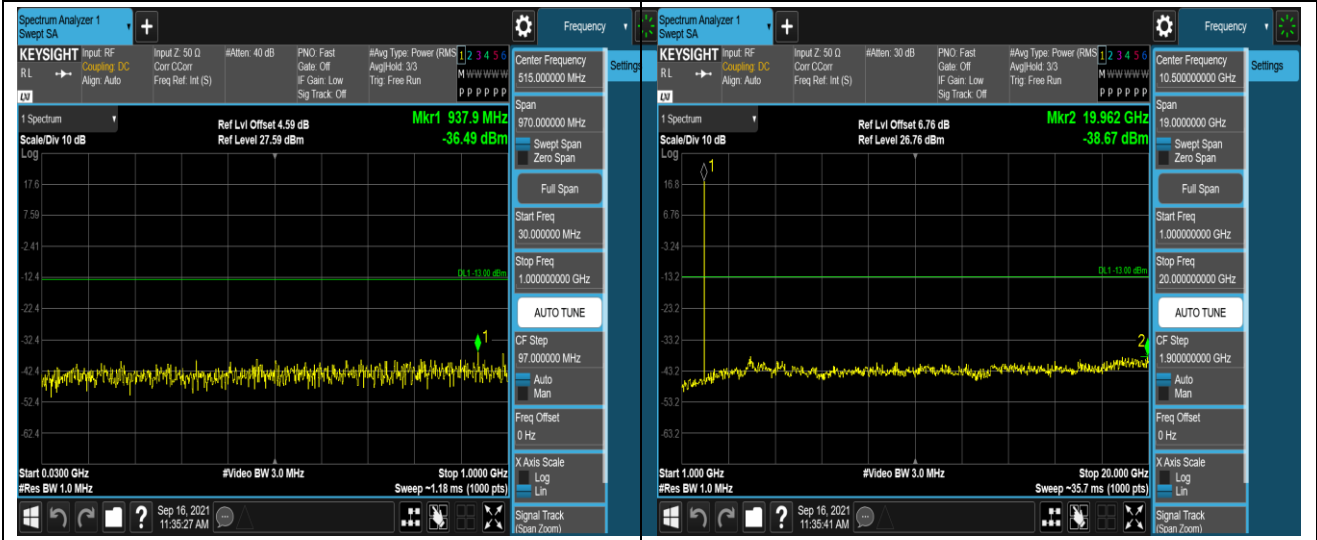
Band2-1.4MHz-16QAM-18607-1RB#0-Range1:30~1000MHz

Band2-1.4MHz-16QAM-18607-1RB#0-Range2:1000~20000MHz



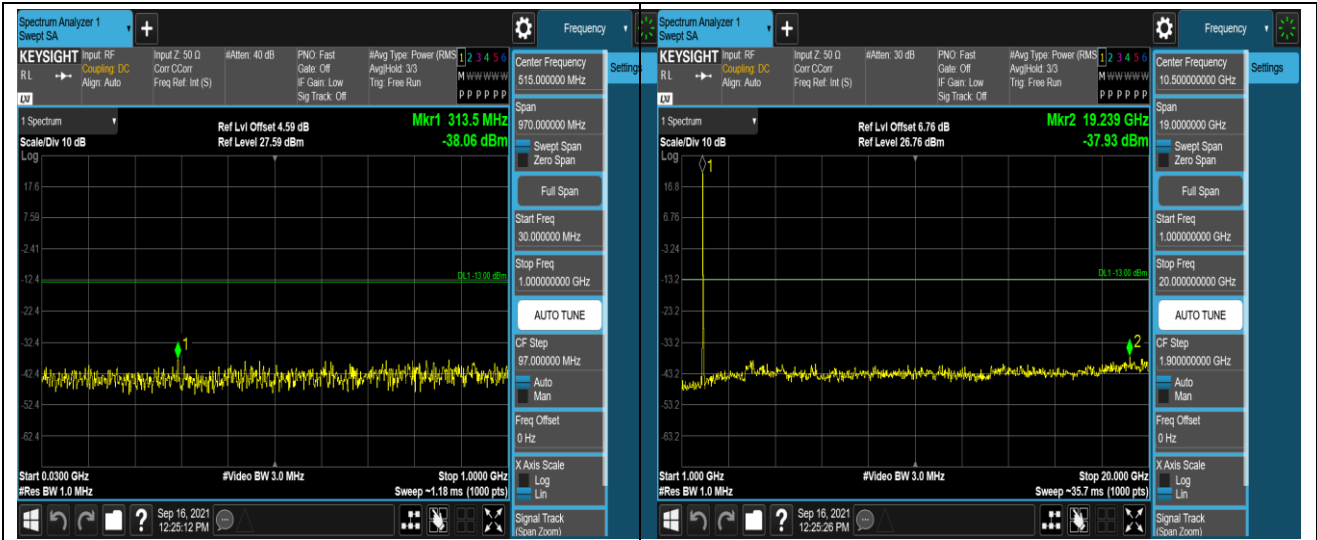
Band2-1.4MHz-16QAM-18900-1RB#0-Range1:30~1000MHz

Band2-1.4MHz-16QAM-18900-1RB#0-Range2:1000~20000MHz



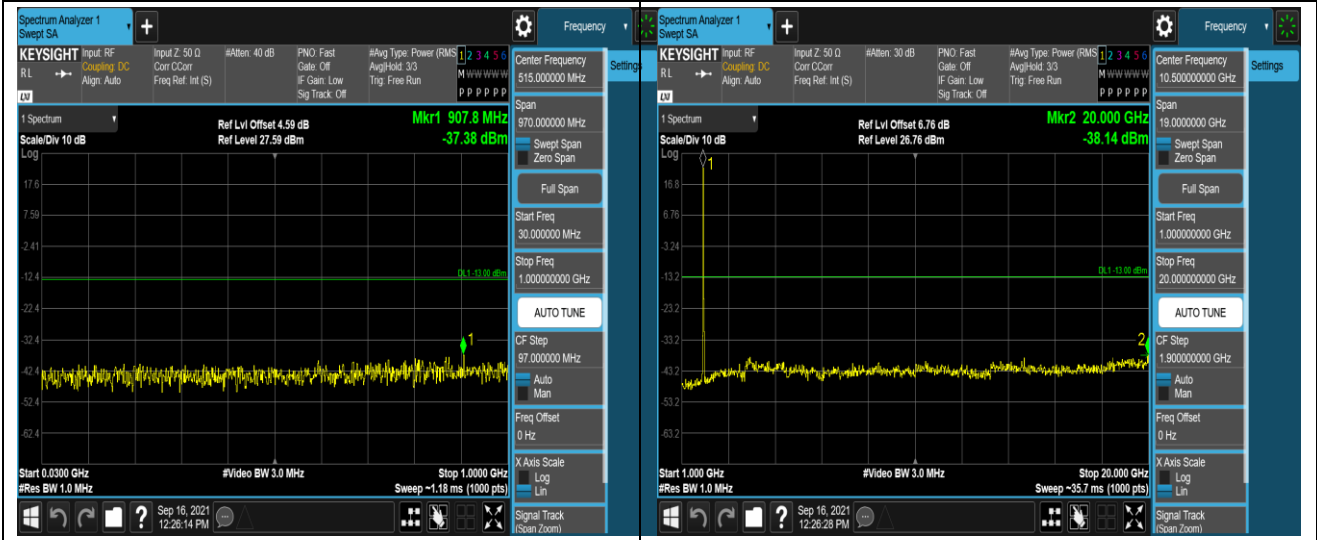
Band2-1.4MHz-16QAM-19193-1RB#0-Range1:30~1000MHz

Band2-1.4MHz-16QAM-19193-1RB#0-Range2:1000~20000MHz



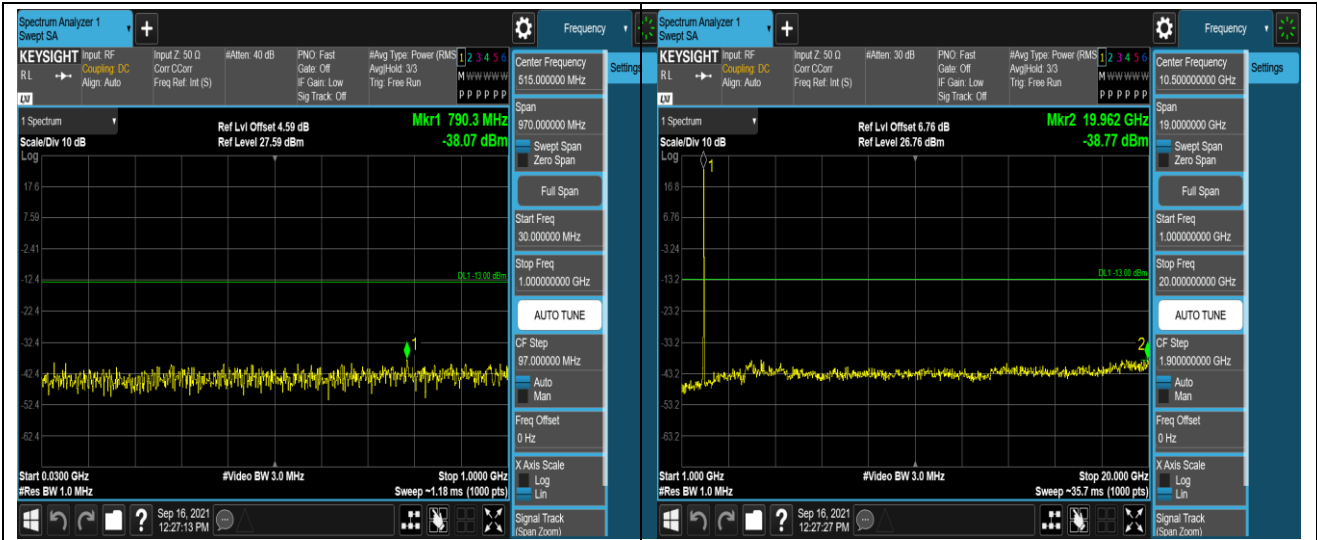
Band2-20MHz-QPSK-18700-1RB#0-Range1:30~1000MHz

Band2-20MHz-QPSK-18700-1RB#0-Range2:1000~20000MHz



Band2-20MHz-QPSK-18900-1RB#0-Range1:30~1000MHz

Band2-20MHz-QPSK-18900-1RB#0-Range2:1000~20000MHz



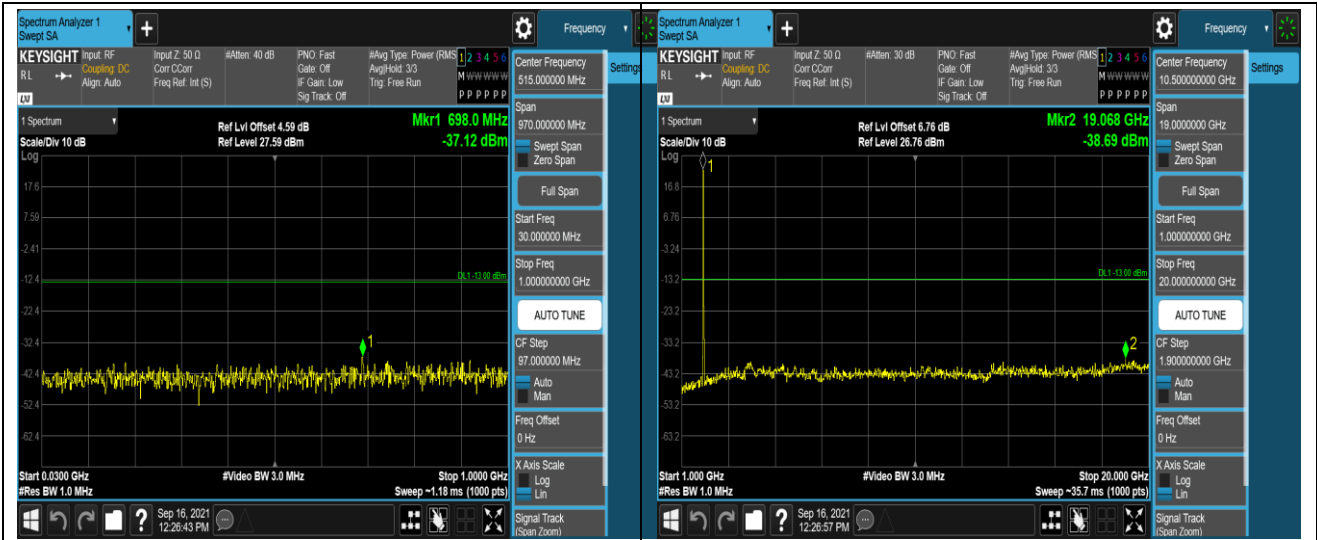
Band2-20MHz-QPSK-19100-1RB#0-Range1:30~1000MHz

Band2-20MHz-QPSK-19100-1RB#0-Range2:1000~20000MHz



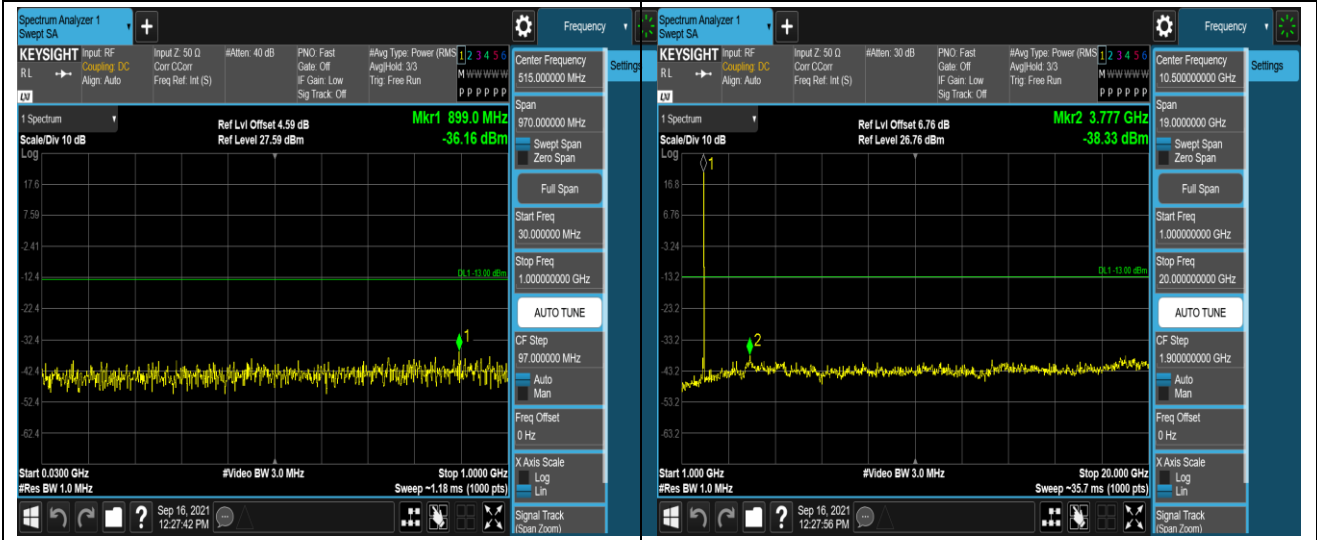
Band2-20MHz-16QAM-18700-1RB#0-Range1:30~1000MHz

Band2-20MHz-16QAM-18700-1RB#0-Range2:1000~20000MHz



Band2-20MHz-16QAM-18900-1RB#0-Range1:30~1000MHz

Band2-20MHz-16QAM-18900-1RB#0-Range2:1000~2000MHz



Band2-20MHz-16QAM-19100-1RB#0-Range1:30~1000MHz

Band2-20MHz-16QAM-19100-1RB#0-Range2:1000~2000MHz

Appendix F: Frequency Stability

Test Result

LTE Band 2 part:

Reference Frequency: LTE Band 2 (10MHz) Middle channel=18900 Frequency=1880.0MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.70	-30	6.15	0.003271	Within authorized band for Band 2	Pass
	-20	-13.46	-0.007160		
	-10	10.77	0.005729		
	0	-56.62	-0.030117		
	10	43.90	0.023351		
	20	-18.57	-0.009878		
	30	4.01	0.002133		
	40	48.17	0.025622		
	50	33.00	0.017553		
16QAM					
3.70	-30	-13.59	-0.007229	Within authorized band for Band 2	Pass
	-20	-4.18	-0.002223		
	-10	12.07	0.006420		
	0	16.87	0.008973		
	10	8.93	0.004750		
	20	8.03	0.004271		
	30	-35.19	-0.018718		
	40	51.13	0.027197		
	50	-41.43	-0.022037		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	3.50	48.59	0.025846	Within authorized band for Band 2	Pass
	3.70	-50.78	-0.027011		
	4.20	-52.31	-0.027824		
16QAM					
25	3.50	-20.54	-0.010926	Within authorized band for Band 2	Pass
	3.70	26.39	0.014037		
	4.20	-34.49	-0.018346		

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
Band2	20MHz	QPSK	18900	100RB#0	PASS	PASS
Band2	20MHz	16QAM	18900	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

