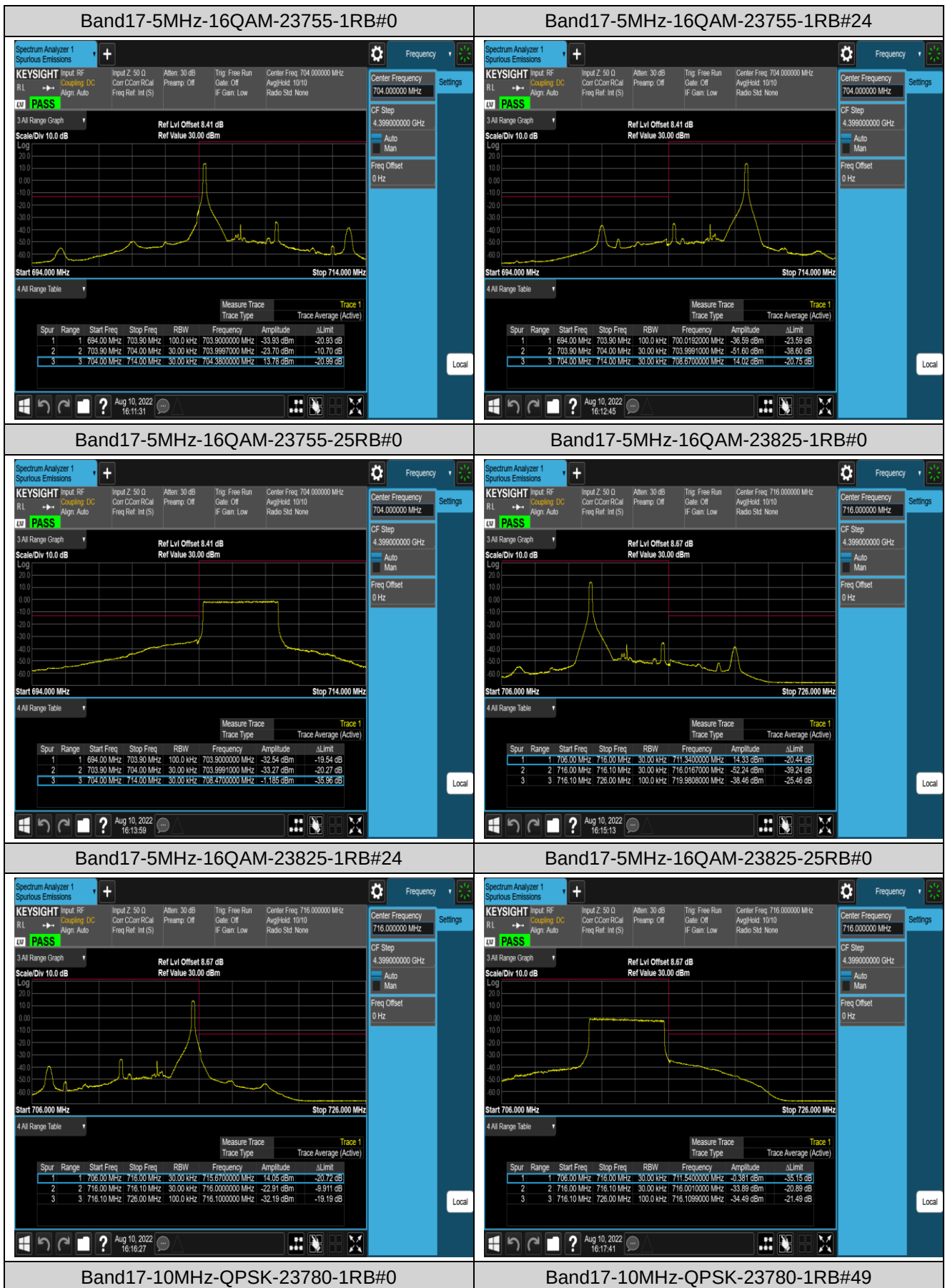
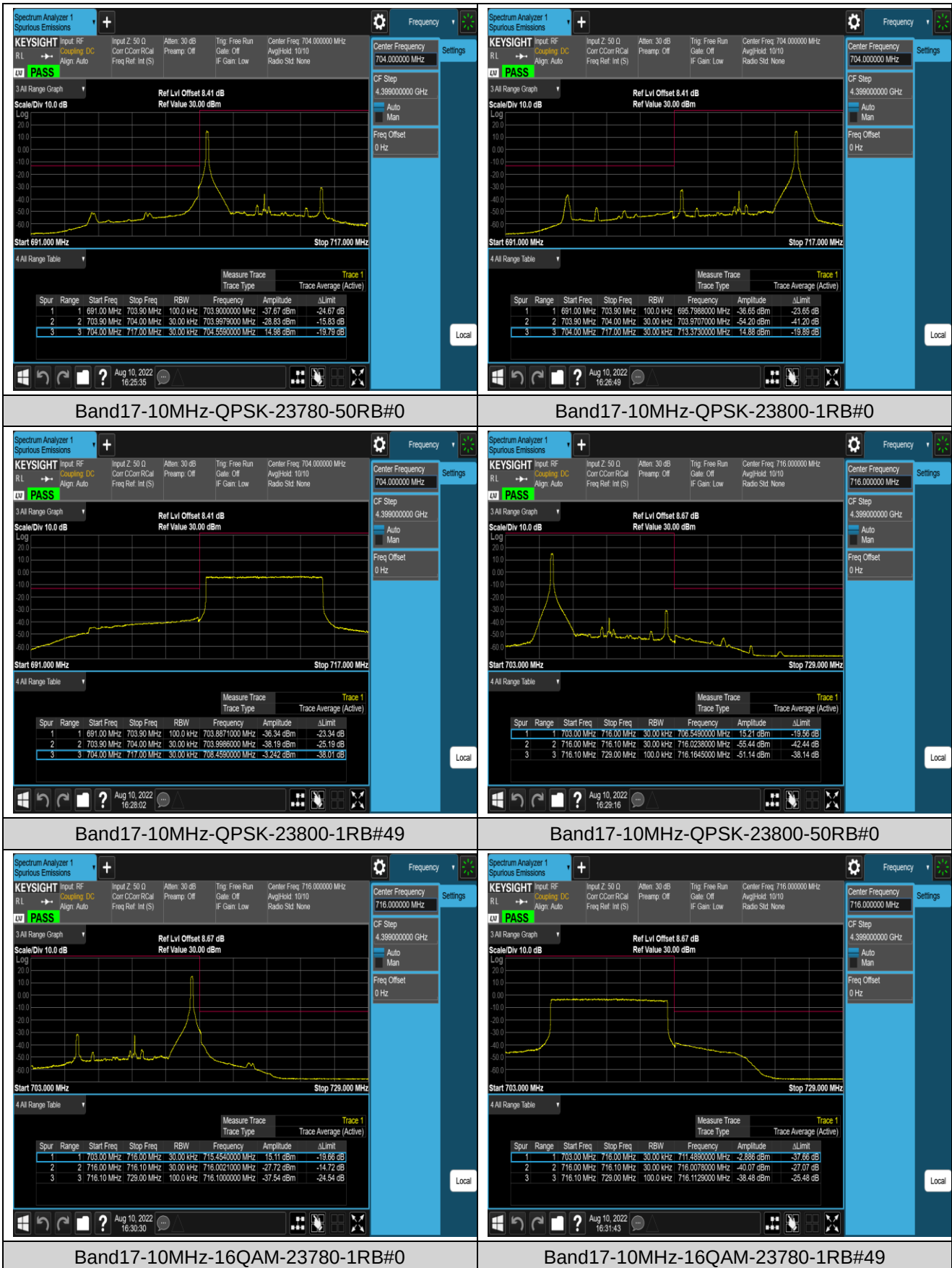
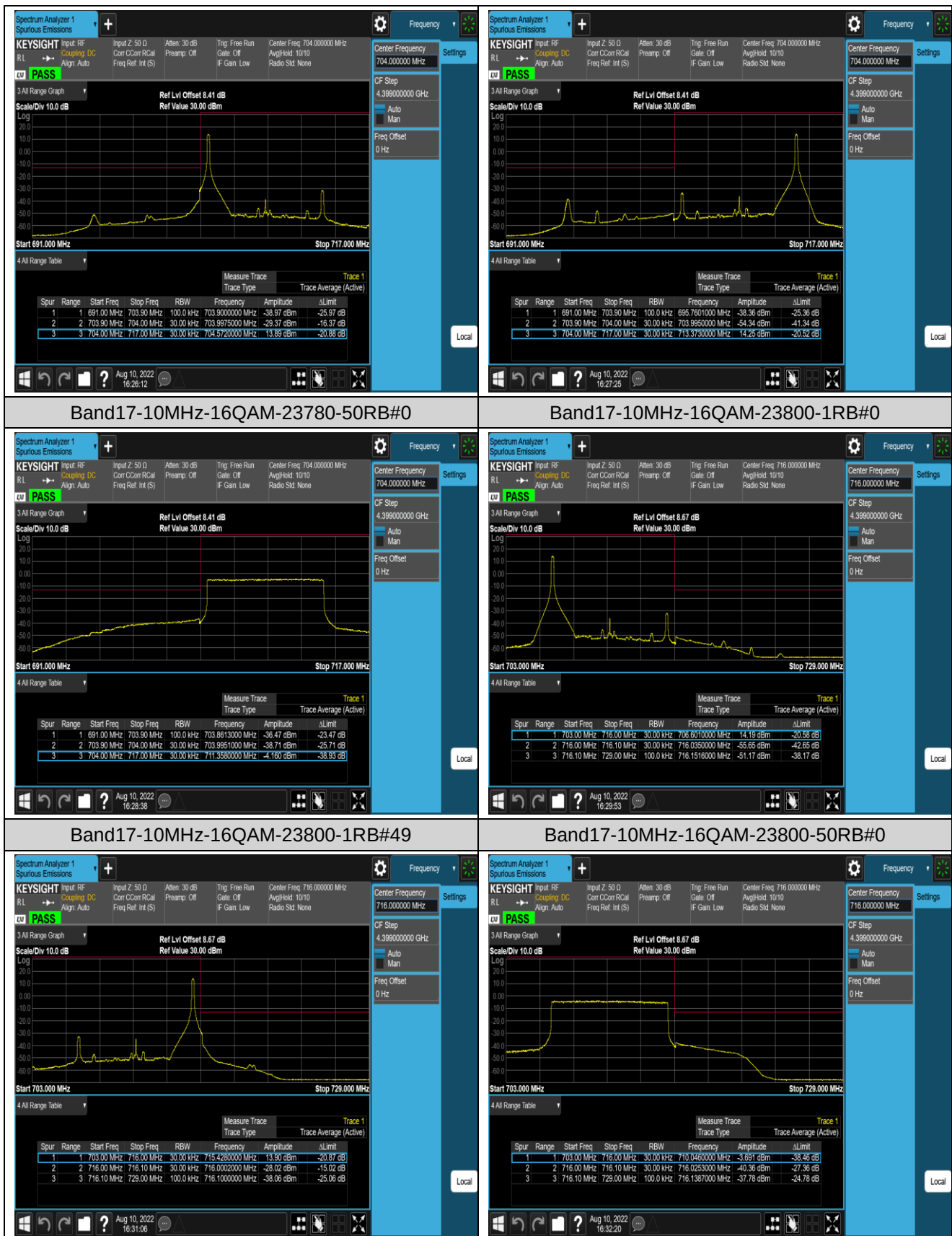








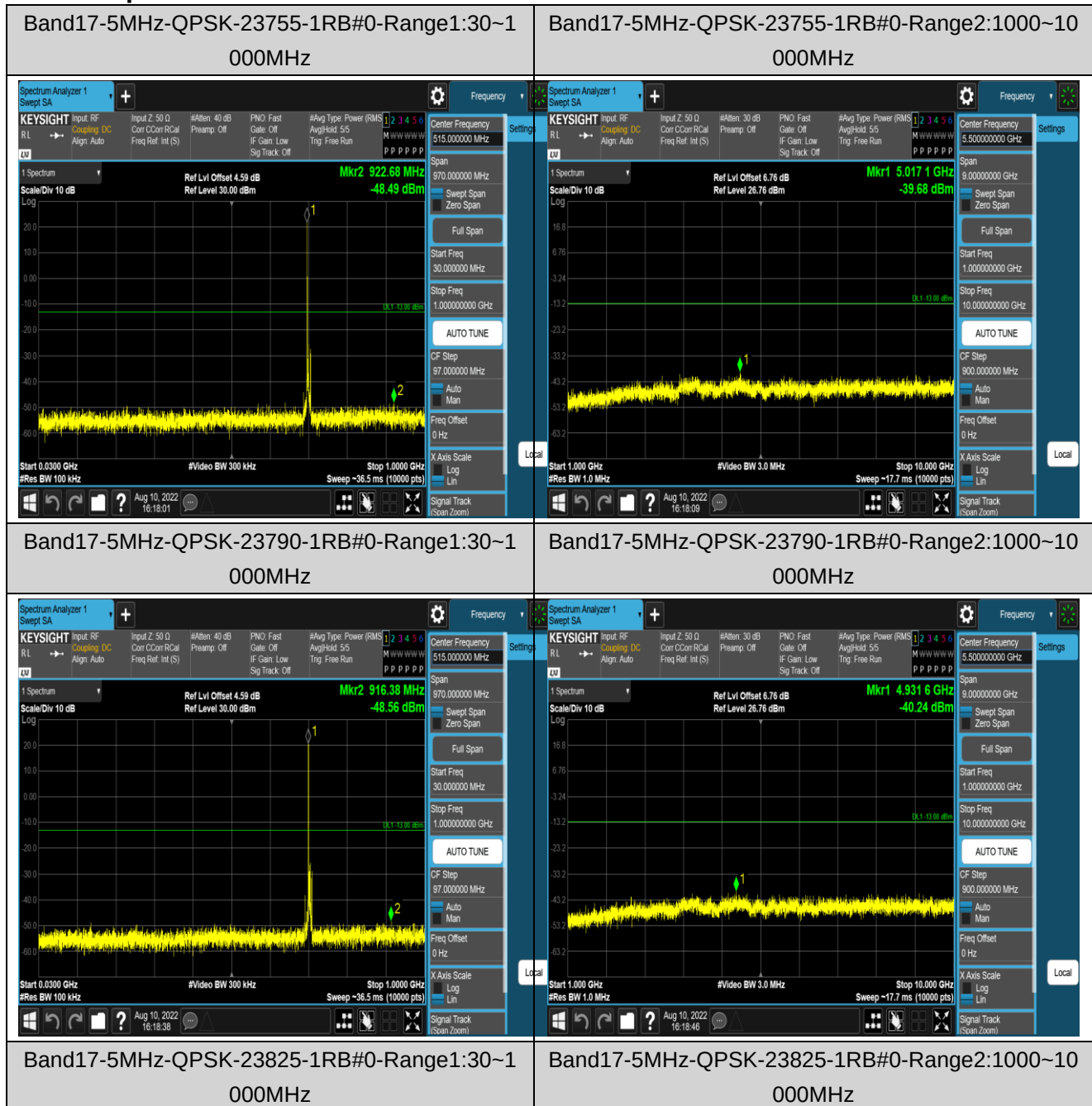
Appendix E: Conducted Spurious Emission

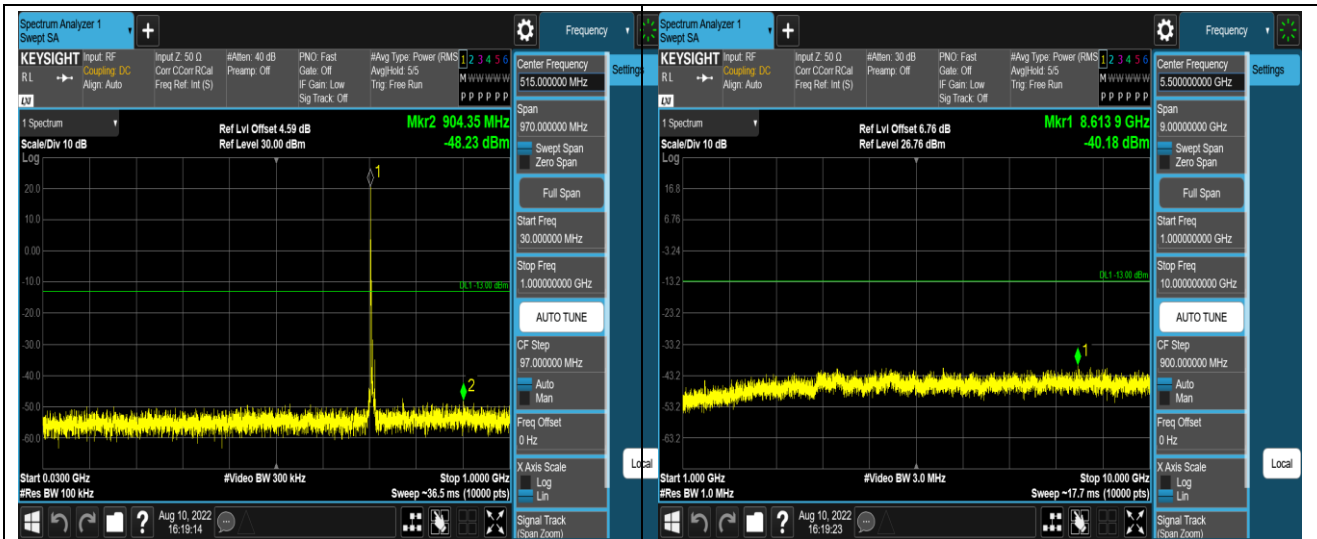
Test Result (worst case)

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	Range1:30~1000MHz	-48.49	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range2:1000~10000MHz	-39.68	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range1:30~1000MHz	-48.56	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range2:1000~10000MHz	-40.25	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range1:30~1000MHz	-48.23	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range2:1000~10000MHz	-40.18	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range1:30~1000MHz	-47.28	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range2:1000~10000MHz	-39.85	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range1:30~1000MHz	-48.21	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range2:1000~10000MHz	-40.28	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range1:30~1000MHz	-47.75	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range2:1000~10000MHz	-39.6	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range1:30~1000MHz	-48.37	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range2:1000~10000MHz	-38.91	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range1:30~1000MHz	-48.39	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range2:1000~10000MHz	-40.23	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range1:30~1000MHz	-48.39	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range2:1000~10000MHz	-40.71	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range1:30~1000MHz	-48.2	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range2:1000~10000MHz	-39.31	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range1:30~1000MHz	-47.94	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range2:1000~10000MHz	-40.24	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range1:30~1000MHz	-49.12	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range2:1000~10000MHz	-40.02	PASS

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

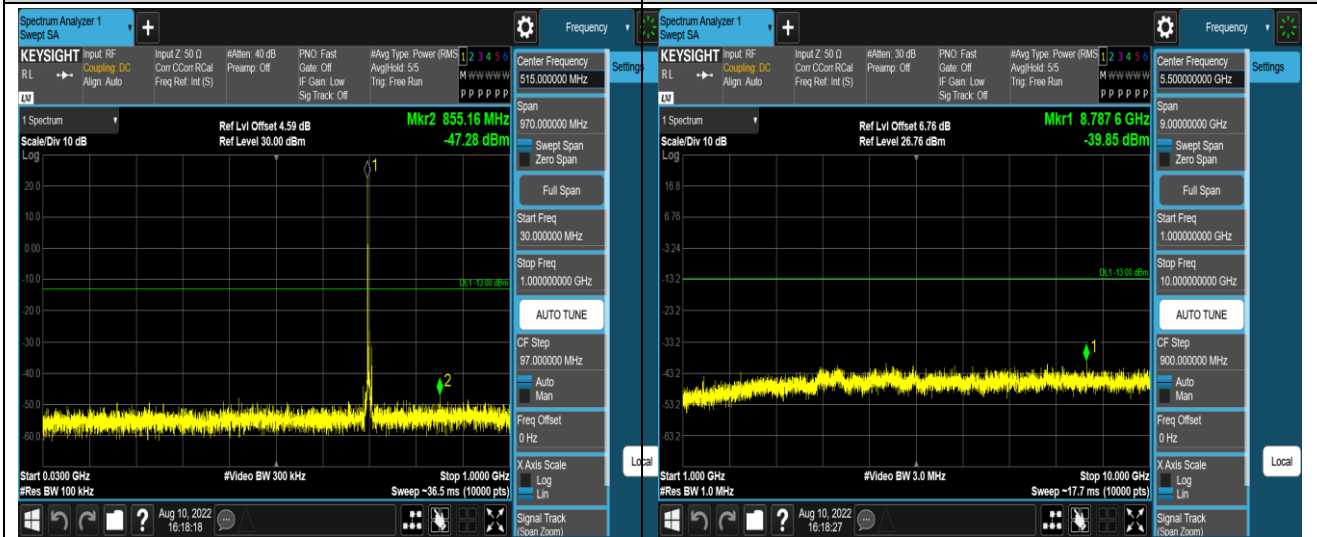
Test Graphs





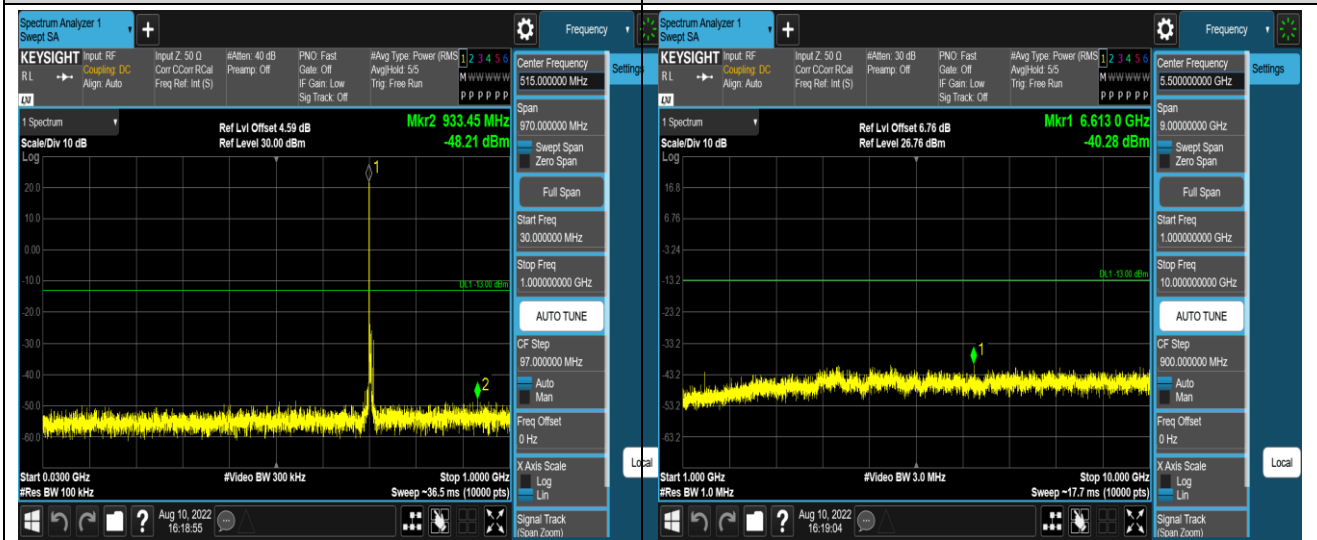
Band17-5MHz-16QAM-23755-1RB#0-Range1:30~1000MHz

Band17-5MHz-16QAM-23755-1RB#0-Range2:1000~10000MHz



Band17-5MHz-16QAM-23790-1RB#0-Range1:30~1000MHz

Band17-5MHz-16QAM-23790-1RB#0-Range2:1000~10000MHz

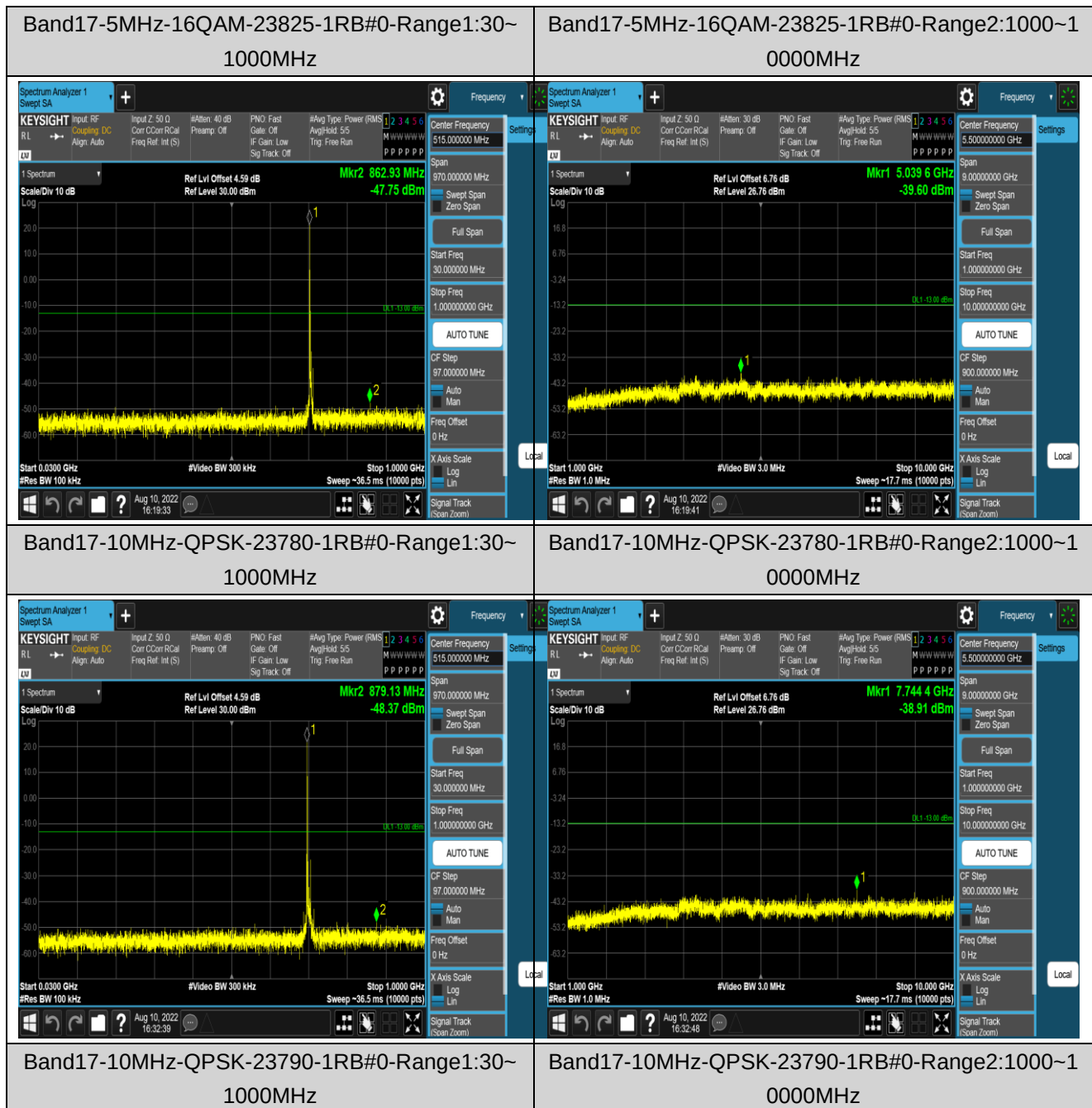


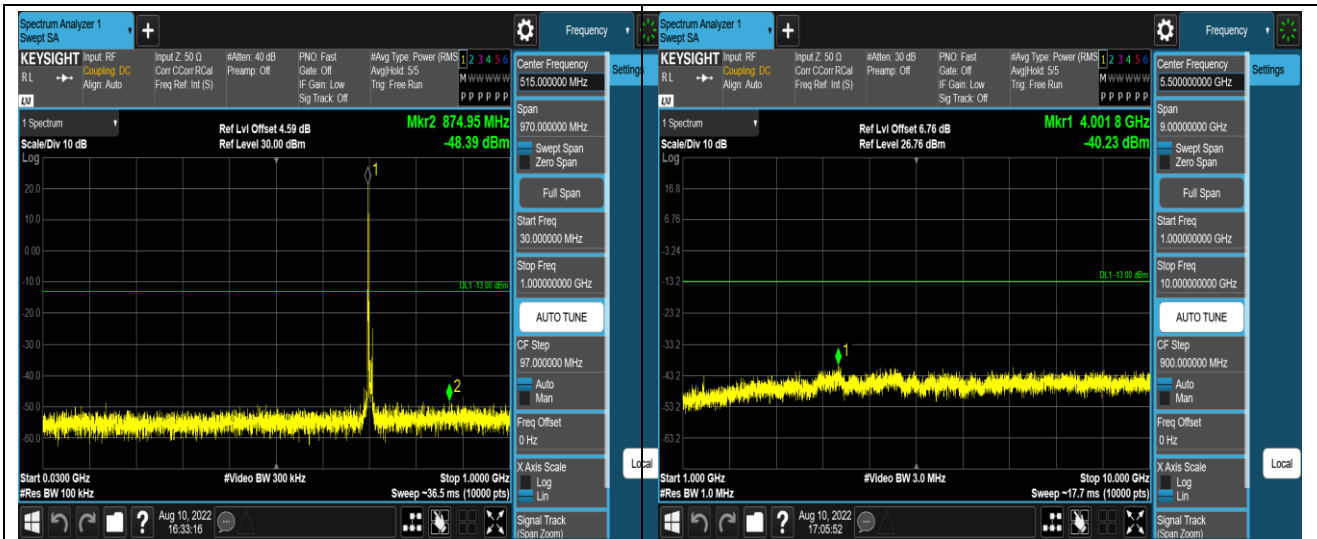
JianYan Testing Group Shenzhen Co., Ltd.

No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

Tel: +86-755-23118282, Fax: +86-755-23116366

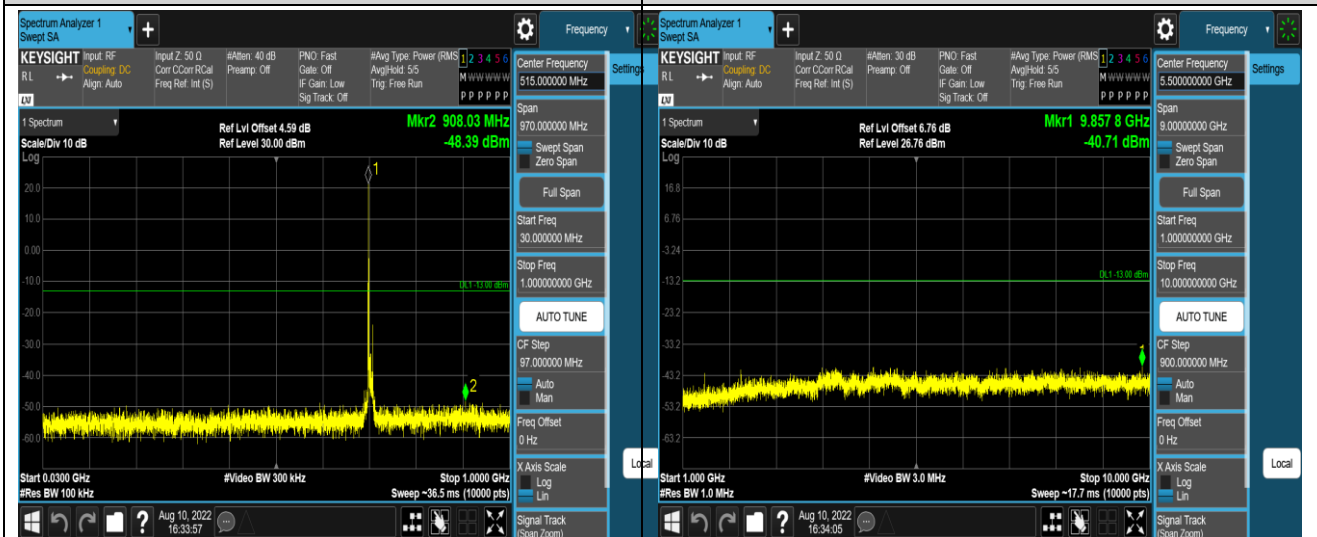
Project No.: JYTSZE2111024





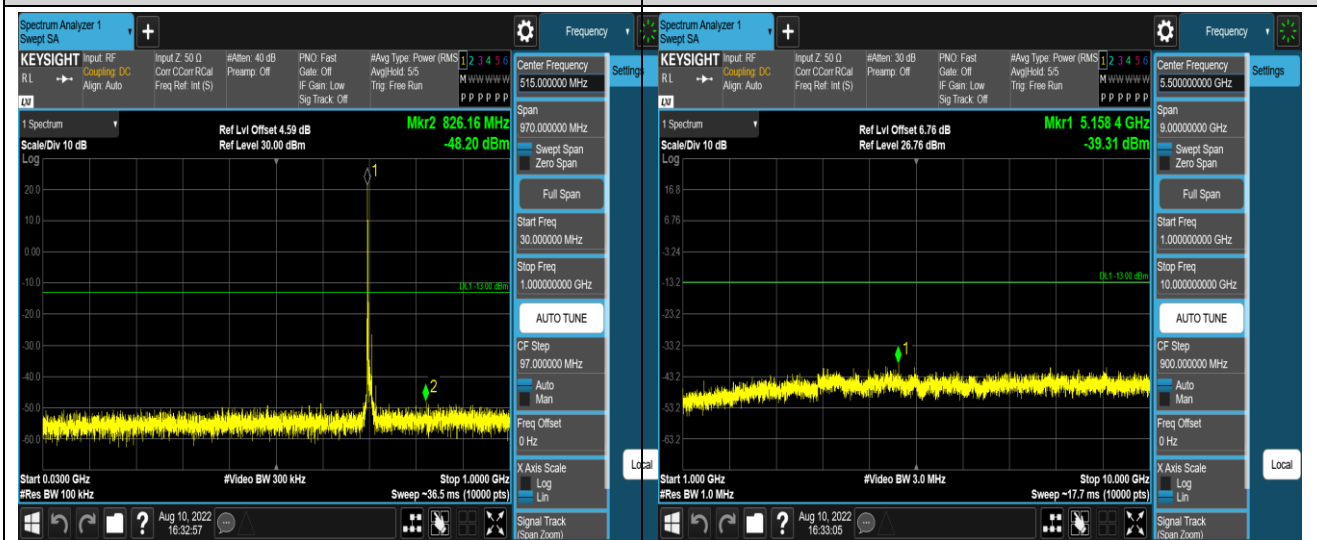
Band17-10MHz-QPSK-23800-1RB#0-Range1:30~1000MHz

Band17-10MHz-QPSK-23800-1RB#0-Range2:1000~10000MHz



Band17-10MHz-16QAM-23780-1RB#0-Range1:30~1000MHz

Band17-10MHz-16QAM-23780-1RB#0-Range2:1000~10000MHz



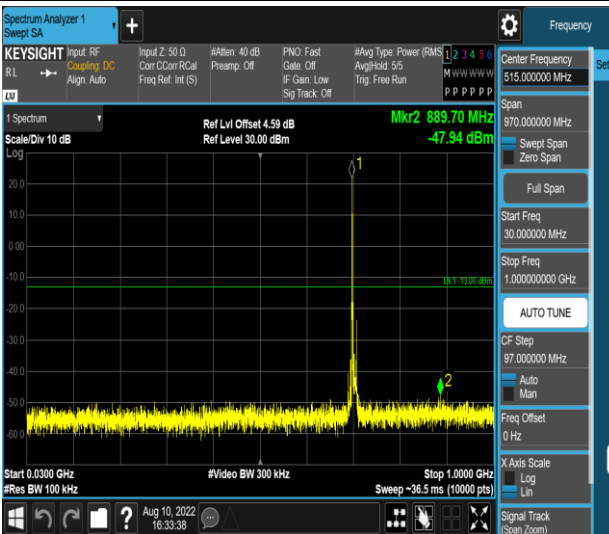
JianYan Testing Group Shenzhen Co., Ltd.

No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

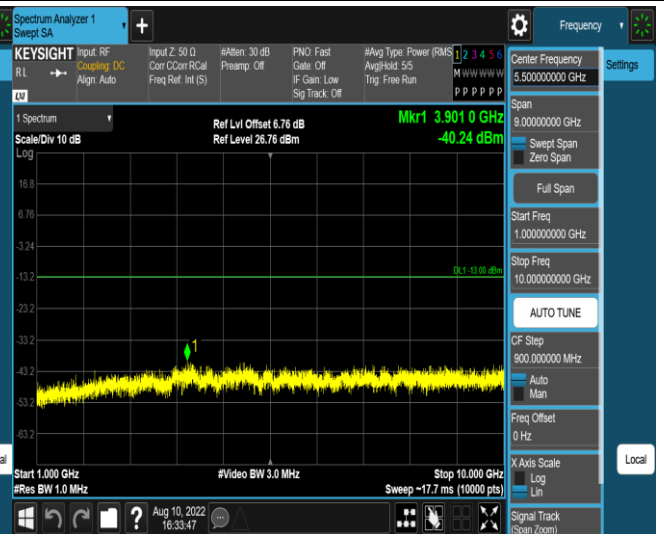
Tel: +86-755-23118282, Fax: +86-755-23116366

Project No.: JYTSZE2111024

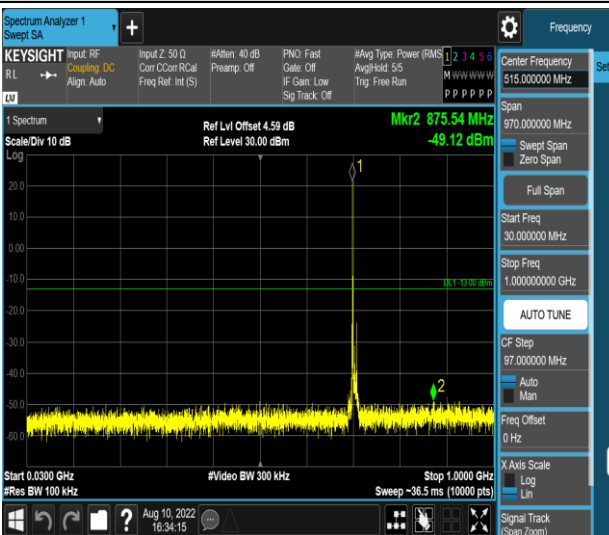
Band17-10MHz-16QAM-23790-1RB#0-Range1:30
~1000MHz



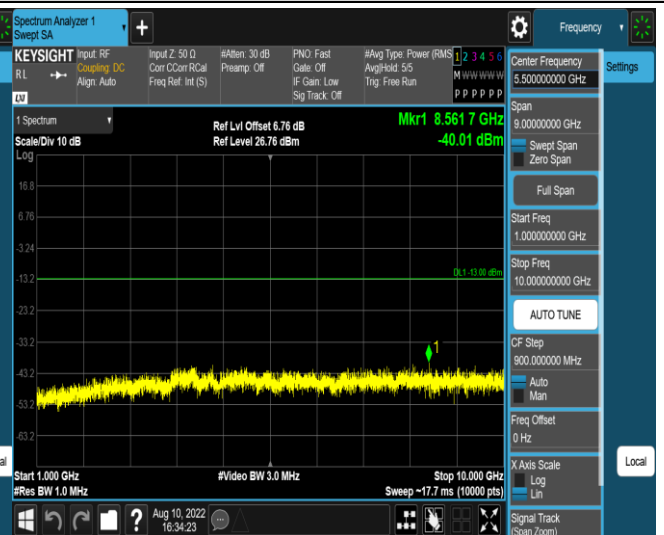
Band17-10MHz-16QAM-23790-1RB#0-Range2:1000~
10000MHz



Band17-10MHz-16QAM-23800-1RB#0-Range1:30
~1000MHz



Band17-10MHz-16QAM-23800-1RB#0-Range2:1000~
10000MHz



Appendix F: Frequency Stability

Test Result

Reference Frequency: LTE Band 17(10MHz) Middle channel=23790 Frequency=710.0MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.85	-30	-12.20	-0.017183	Within authorized band for Band 17	Pass
	-20	-10.73	-0.015113		
	-10	-9.24	-0.013014		
	0	-6.38	-0.008986		
	10	-7.30	-0.010282		
	20	-9.67	-0.013620		
	30	-13.02	-0.018338		
	40	-11.49	-0.016183		
	50	-15.58	-0.021944		
16QAM					
3.85	-30	-8.81	-0.012408	Within authorized band for Band 17	Pass
	-20	-6.92	-0.009746		
	-10	-9.86	-0.013887		
	0	-7.41	-0.010437		
	10	-6.25	-0.008803		
	20	-4.68	-0.006592		
	30	-8.85	-0.012465		
	40	-13.25	-0.018662		
	50	-11.47	-0.016155		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	3.50	-8.57	-0.012070	Within authorized band for Band 17	Pass
	3.85	-14.66	-0.020648		
	4.23	-8.53	-0.012014		
16QAM					
25	3.50	-6.64	-0.009352	Within authorized band for Band 17	Pass
	3.85	-9.60	-0.013521		
	4.23	-10.30	-0.014507		
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
Band17	10MHz	QPSK	23790	50RB#0	PASS	PASS
Band17	10MHz	16QAM	23790	50RB#0	PASS	PASS

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

Test Graphs

