

AppendixA: Effective (Isotropic) Radiated Power Output Data

Test Result(WCDMA)

Band	Type	Channel	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	Voice	9262	23.99	24.54	33.01	PASS
Band2	TestMode	9262	23.94	24.49	33.01	PASS
Band2	TestMode	9400	23.99	24.54	33.01	PASS
Band2	Voice	9400	23.97	24.52	33.01	PASS
Band2	TestMode	9538	23.69	24.24	33.01	PASS
Band2	Voice	9538	23.64	24.19	33.01	PASS
Band4	Voice	1312	23.12	23.75	30.00	PASS
Band4	TestMode	1312	23.21	23.84	30.00	PASS
Band4	Voice	1413	22.84	23.47	30.00	PASS
Band4	TestMode	1413	22.96	23.59	30.00	PASS
Band4	TestMode	1513	23.04	23.67	30.00	PASS
Band4	Voice	1513	22.98	23.61	30.00	PASS
Band5	Voice	4132	23.18	21.8	38.45	PASS
Band5	TestMode	4132	23.20	21.82	38.45	PASS
Band5	TestMode	4183	23.37	21.99	38.45	PASS
Band5	Voice	4183	23.33	21.95	38.45	PASS
Band5	Voice	4233	23.06	21.68	38.45	PASS
Band5	TestMode	4233	23.12	21.74	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	23.99	24.54	33.01	PASS
Band2	9262	2	23.46	24.01	33.01	PASS
Band2	9262	3	23.45	24	33.01	PASS
Band2	9262	4	23.42	23.97	33.01	PASS
Band2	9400	1	24.03	24.58	33.01	PASS
Band2	9400	2	23.43	23.98	33.01	PASS
Band2	9400	3	23.45	24	33.01	PASS
Band2	9400	4	23.47	24.02	33.01	PASS
Band2	9538	1	23.73	24.28	33.01	PASS
Band2	9538	2	23.14	23.69	33.01	PASS
Band2	9538	3	23.15	23.7	33.01	PASS
Band2	9538	4	23.23	23.78	33.01	PASS

Band4	1312	1	23.28	23.91	30.00	PASS
Band4	1312	2	22.71	23.34	30.00	PASS
Band4	1312	3	22.73	23.36	30.00	PASS
Band4	1312	4	22.70	23.33	30.00	PASS
Band4	1413	1	22.77	23.4	30.00	PASS
Band4	1413	2	22.38	23.01	30.00	PASS
Band4	1413	3	22.43	23.06	30.00	PASS
Band4	1413	4	22.42	23.05	30.00	PASS
Band4	1513	1	22.98	23.61	30.00	PASS
Band4	1513	2	22.54	23.17	30.00	PASS
Band4	1513	3	22.59	23.22	30.00	PASS
Band4	1513	4	22.55	23.18	30.00	PASS
Band5	4132	1	23.32	21.94	38.5	PASS
Band5	4132	2	22.75	21.37	38.5	PASS
Band5	4132	3	22.83	21.45	38.5	PASS
Band5	4132	4	22.78	21.4	38.5	PASS
Band5	4183	1	23.37	21.99	38.5	PASS
Band5	4183	2	22.84	21.46	38.5	PASS
Band5	4183	3	22.86	21.48	38.5	PASS
Band5	4183	4	22.87	21.49	38.5	PASS
Band5	4233	1	23.19	21.81	38.5	PASS
Band5	4233	2	22.63	21.25	38.5	PASS
Band5	4233	3	22.67	21.29	38.5	PASS
Band5	4233	4	22.65	21.27	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	21.95	22.5	33.01	PASS
Band2	9262	2	22.45	23	33.01	PASS
Band2	9262	3	22.98	23.53	33.01	PASS
Band2	9262	4	21.97	22.52	33.01	PASS
Band2	9262	5	23.93	24.48	33.01	PASS
Band2	9400	1	21.98	22.53	33.01	PASS
Band2	9400	2	22.49	23.04	33.01	PASS
Band2	9400	3	22.98	23.53	33.01	PASS
Band2	9400	4	22.02	22.57	33.01	PASS
Band2	9400	5	23.95	24.5	33.01	PASS
Band2	9538	1	21.66	22.21	33.01	PASS
Band2	9538	2	22.18	22.73	33.01	PASS
Band2	9538	3	22.70	23.25	33.01	PASS

Band2	9538	4	21.69	22.24	33.01	PASS
Band2	9538	5	23.68	24.23	33.01	PASS
Band4	1312	1	21.23	21.86	30.00	PASS
Band4	1312	2	21.74	22.37	30.00	PASS
Band4	1312	3	22.25	22.88	30.00	PASS
Band4	1312	4	21.26	21.89	30.00	PASS
Band4	1312	5	23.25	23.88	30.00	PASS
Band4	1413	1	20.96	21.59	30.00	PASS
Band4	1413	2	21.43	22.06	30.00	PASS
Band4	1413	3	21.93	22.56	30.00	PASS
Band4	1413	4	20.95	21.58	30.00	PASS
Band4	1413	5	22.97	23.6	30.00	PASS
Band4	1513	1	21.05	21.68	30.00	PASS
Band4	1513	2	21.53	22.16	30.00	PASS
Band4	1513	3	22.03	22.66	30.00	PASS
Band4	1513	4	21.08	21.71	30.00	PASS
Band4	1513	5	23.05	23.68	30.00	PASS
Band5	4132	1	21.26	19.88	38.5	PASS
Band5	4132	2	21.79	20.41	38.5	PASS
Band5	4132	3	22.28	20.9	38.5	PASS
Band5	4132	4	21.33	19.95	38.5	PASS
Band5	4132	5	23.30	21.92	38.5	PASS
Band5	4183	1	21.39	20.01	38.5	PASS
Band5	4183	2	21.91	20.53	38.5	PASS
Band5	4183	3	22.39	21.01	38.5	PASS
Band5	4183	4	21.41	20.03	38.5	PASS
Band5	4183	5	23.41	22.03	38.5	PASS
Band5	4233	1	21.17	19.79	38.5	PASS
Band5	4233	2	21.67	20.29	38.5	PASS
Band5	4233	3	22.21	20.83	38.5	PASS
Band5	4233	4	21.19	19.81	38.5	PASS
Band5	4233	5	23.21	21.83	38.5	PASS

Remark: EIRP (dBm) = Conducted power (dBm) + Antenna Gain (dBi). (For Band2 & 4)
ERP (dBm) = EIRP (dBm) - 2.15 (dB). (For Band5)

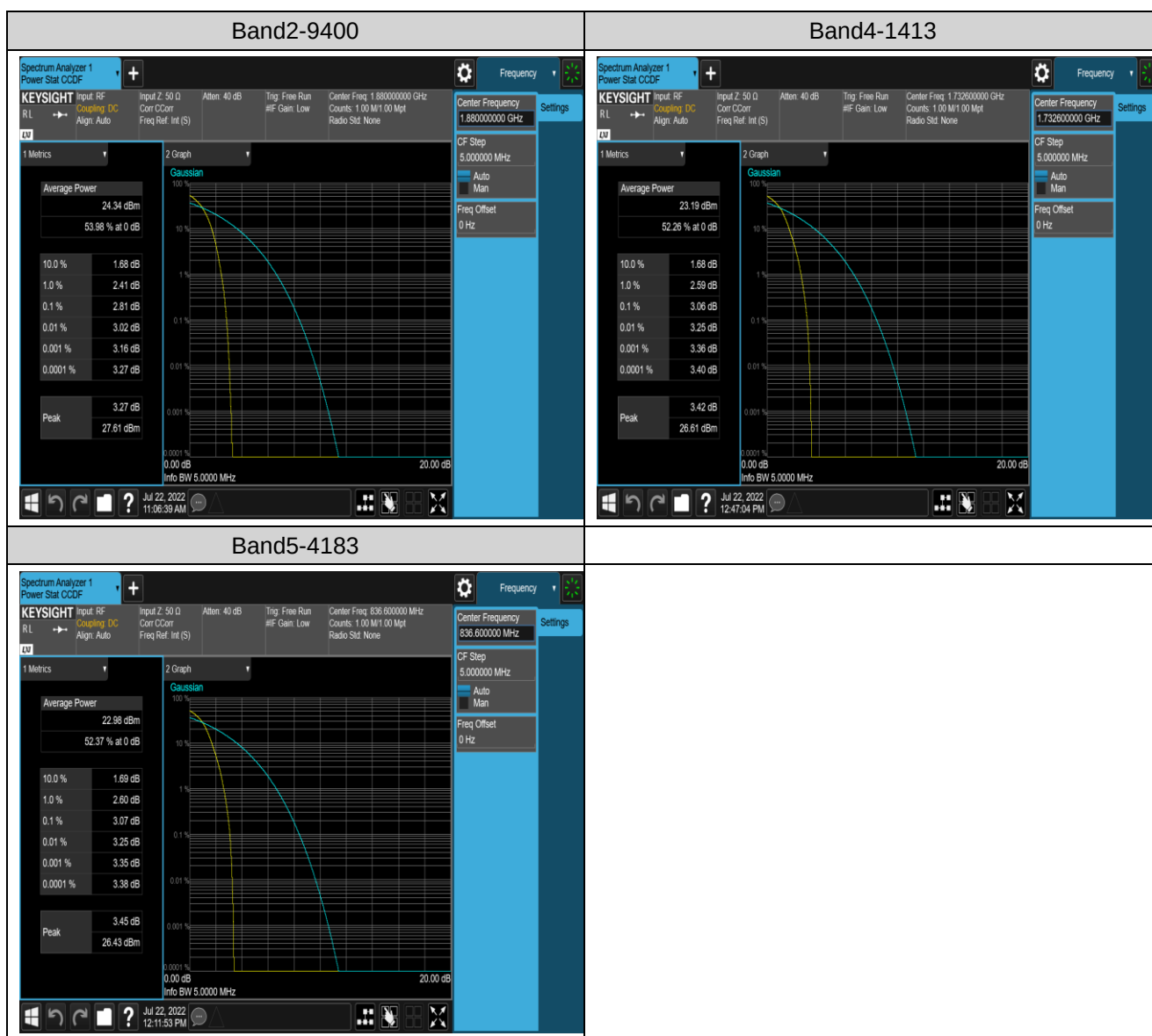
Appendix B: Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.81	13	PASS
Band4	1413	3.06	13	PASS
Band5	4183	3.07	13	PASS

Remark: All channel had been tested, but only the worst case data displayed in this report.

Test Graphs(WCDMA)

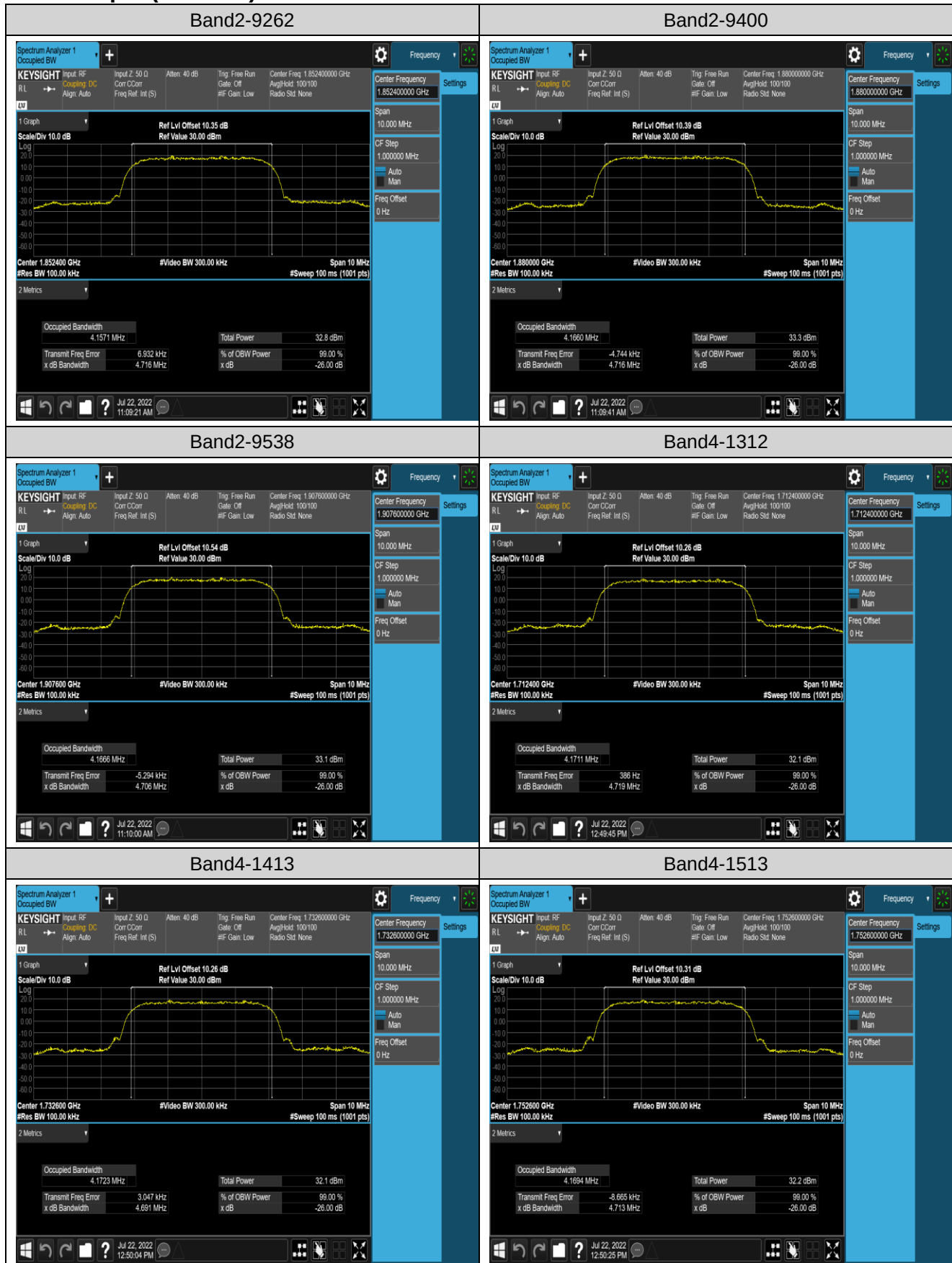


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1571	4.716	---	PASS
Band2	9400	4.1660	4.716	---	PASS
Band2	9538	4.1666	4.706	---	PASS
Band4	1312	4.1711	4.719	---	PASS
Band4	1413	4.1723	4.691	---	PASS
Band4	1513	4.1694	4.713	---	PASS
Band5	4132	4.1695	4.784	---	PASS
Band5	4183	4.1745	4.695	---	PASS
Band5	4233	4.1627	4.689	---	PASS

Test Graphs(WCDMA)

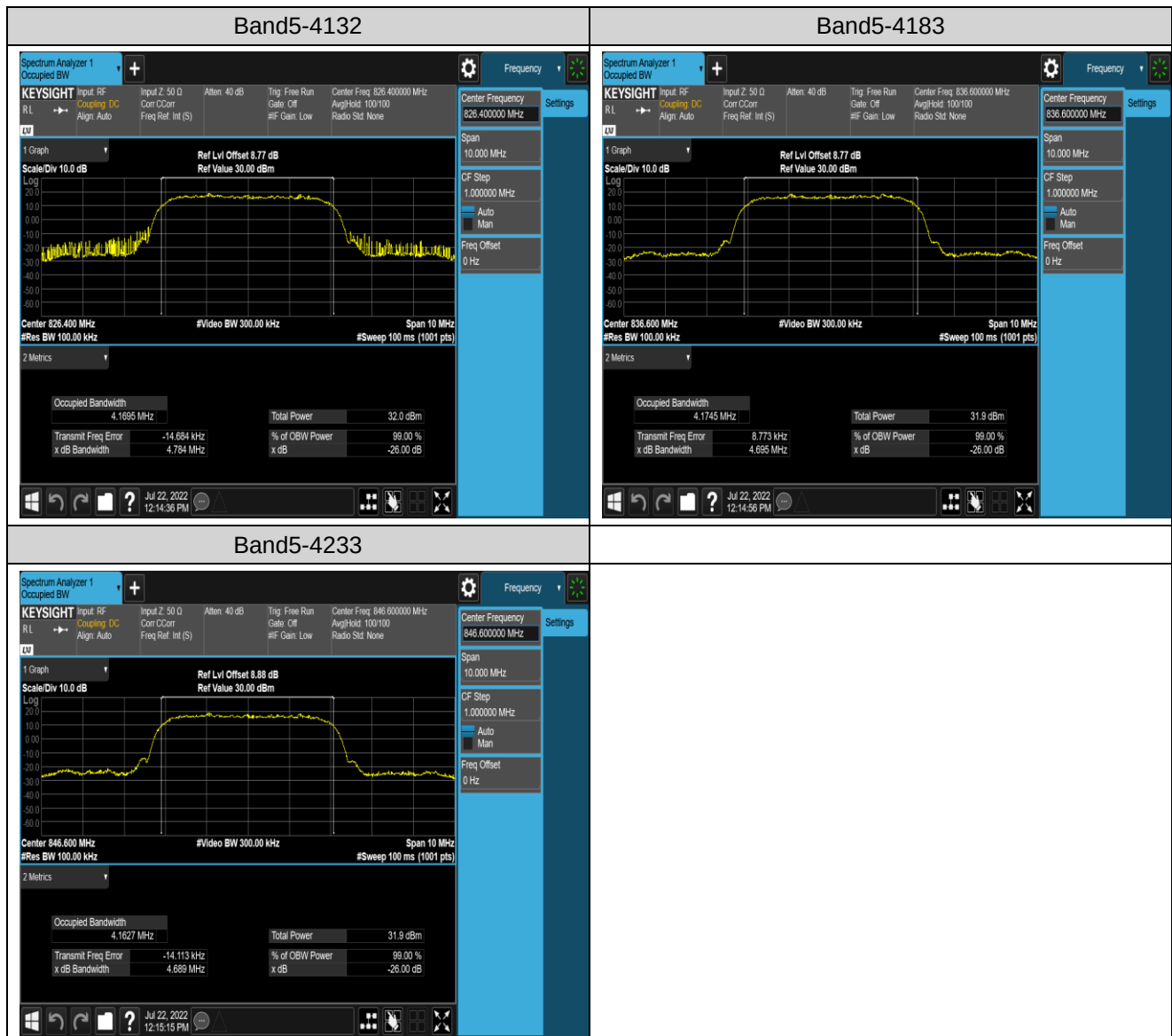


JianYan Testing Group Shenzhen Co., Ltd.

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.: JYTSZR2207052



AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-18.85	-13	PASS
Band2	9538	1910.00	-18.28	-13	PASS
Band4	1312	1710.00	-20.75	-13	PASS
Band4	1513	1755.00	-22.49	-13	PASS
Band5	4132	824.00	-18.56	-13	PASS
Band5	4233	849.00	-21.43	-13	PASS

Test Graphs(WCDMA)



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

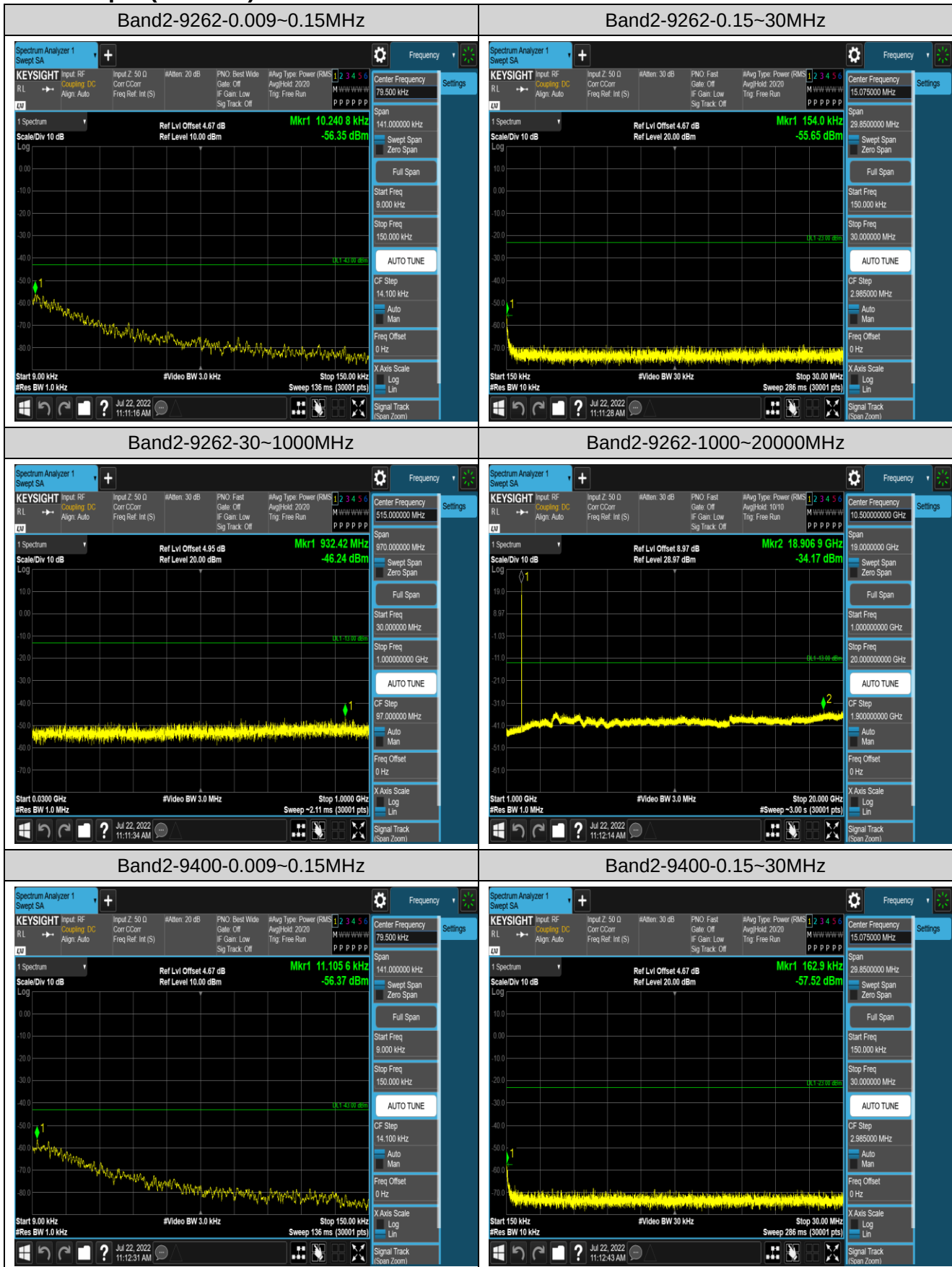
Project No.: JYTSZR2207052

AppendixE:Conducted SpuriousEmission

Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-56.35	-43	PASS
Band2	9262	0.15~30MHz	0.15	-55.65	-23	PASS
Band2	9262	30~1000MHz	932.42	-46.24	-13	PASS
Band2	9262	1000~20000MHz	18906.87	-34.17	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-56.37	-43	PASS
Band2	9400	0.15~30MHz	0.16	-57.52	-23	PASS
Band2	9400	30~1000MHz	853.89	-45.65	-13	PASS
Band2	9400	1000~20000MHz	19943.63	-33.81	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-57.04	-43	PASS
Band2	9538	0.15~30MHz	0.15	-56.96	-23	PASS
Band2	9538	30~1000MHz	840.63	-47.41	-13	PASS
Band2	9538	1000~20000MHz	19138.03	-34.31	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-55.41	-43	PASS
Band4	1312	0.15~30MHz	0.15	-57.08	-23	PASS
Band4	1312	30~1000MHz	443.41	-47.66	-13	PASS
Band4	1312	1000~20000MHz	19442.67	-34.28	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-58.7	-43	PASS
Band4	1413	0.15~30MHz	0.15	-56.74	-23	PASS
Band4	1413	30~1000MHz	895.56	-47.17	-13	PASS
Band4	1413	1000~20000MHz	3827.2	-34.11	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-56.7	-43	PASS
Band4	1513	0.15~30MHz	0.15	-57.98	-23	PASS
Band4	1513	30~1000MHz	850.1	-45.97	-13	PASS
Band4	1513	1000~20000MHz	19464.83	-34.25	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-55.15	-33	PASS
Band5	4132	0.15~30MHz	0.15	-55.54	-13	PASS
Band5	4132	30~1000MHz	970.84	-55.83	-13	PASS
Band5	4132	1000~10000MHz	3780.1	-34.82	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-55.99	-33	PASS
Band5	4183	0.15~30MHz	0.18	-58.11	-13	PASS
Band5	4183	30~1000MHz	967.51	-55.58	-13	PASS
Band5	4183	1000~10000MHz	3796.3	-34.78	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-58.37	-33	PASS
Band5	4233	0.15~30MHz	0.15	-55.13	-13	PASS
Band5	4233	30~1000MHz	423.08	-40.94	-13	PASS
Band5	4233	1000~10000MHz	3789.7	-34.77	-13	PASS

Test Graphs(WCDMA)

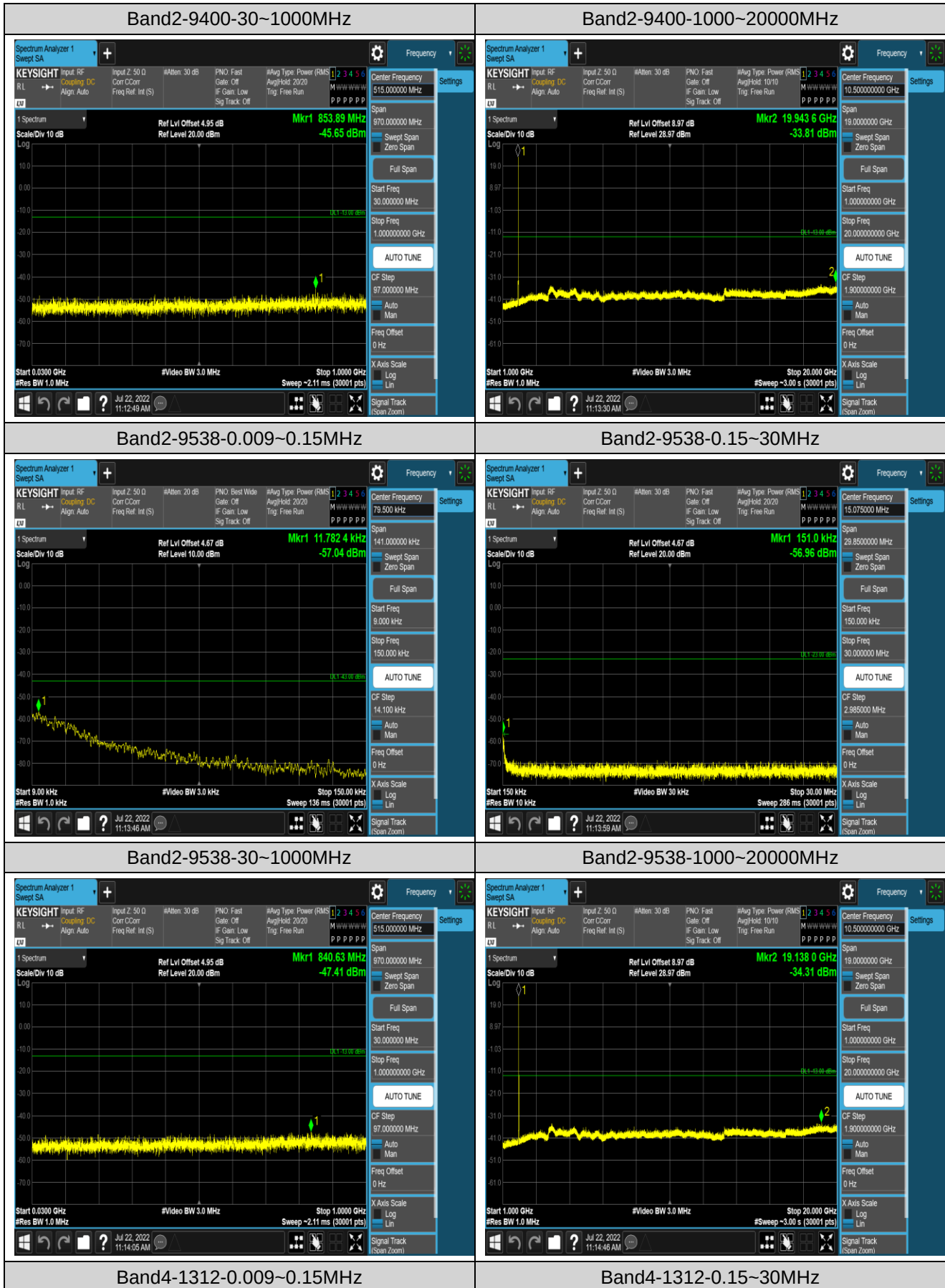


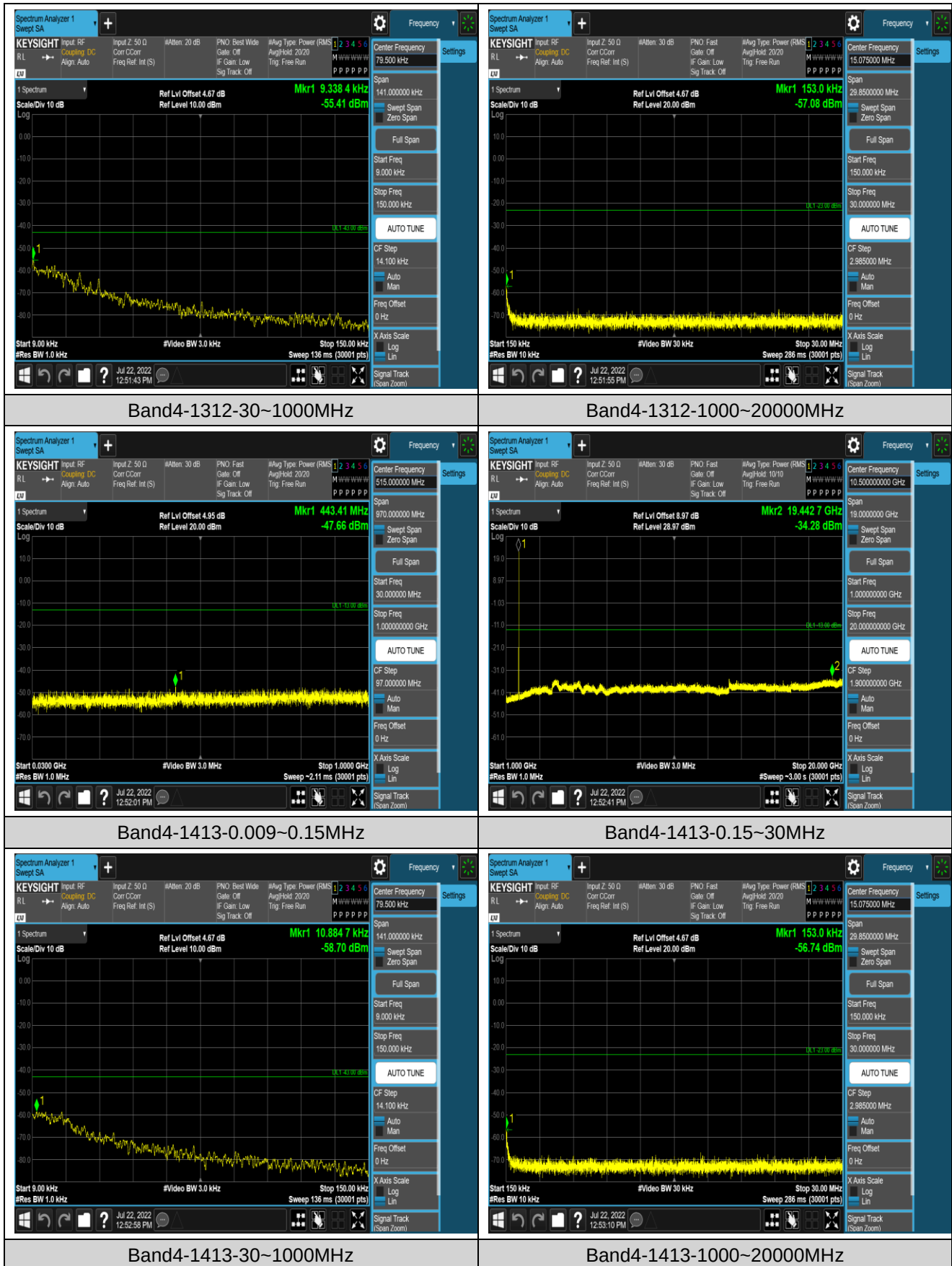
JianYan Testing Group Shenzhen Co., Ltd.

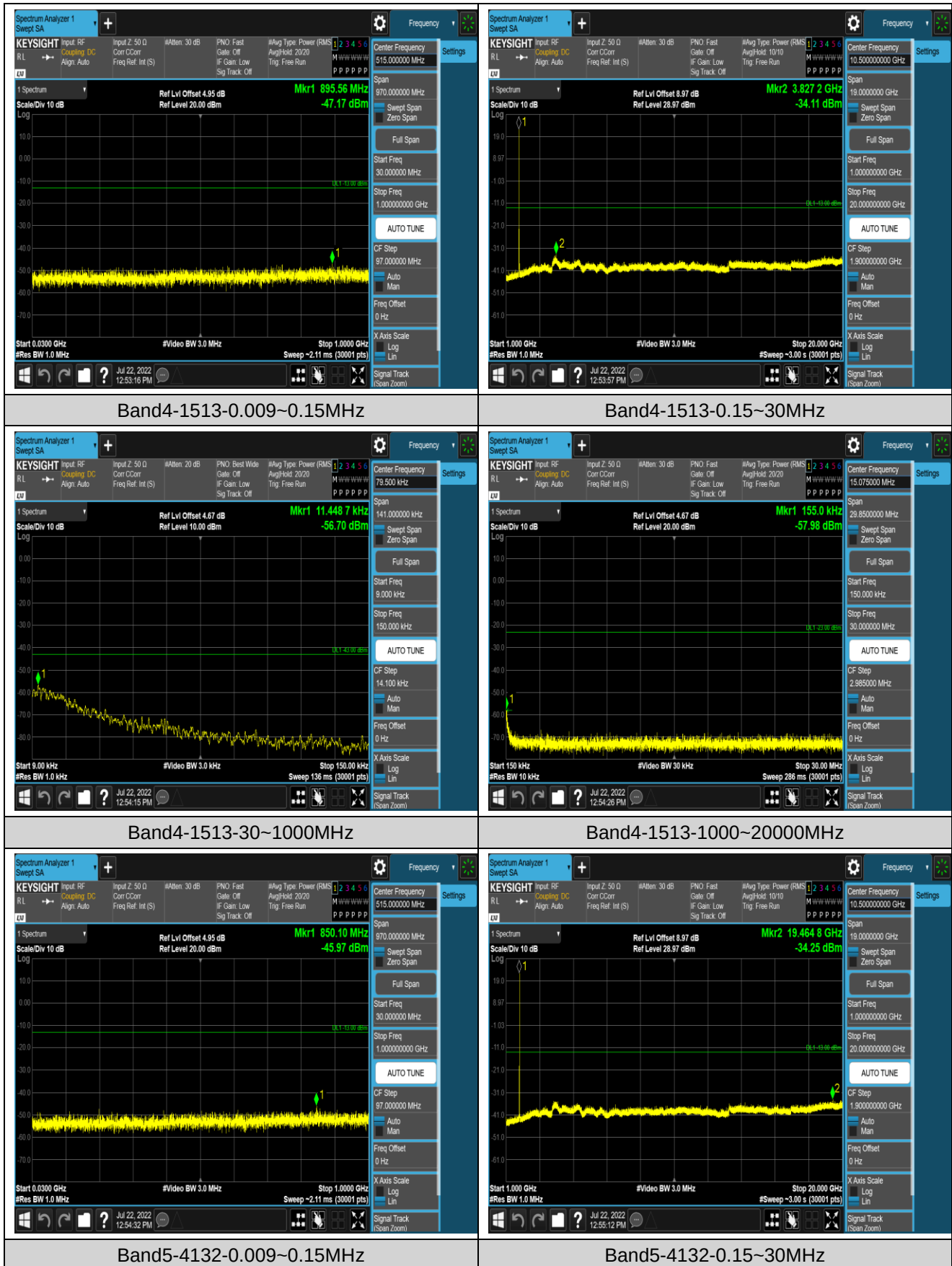
No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

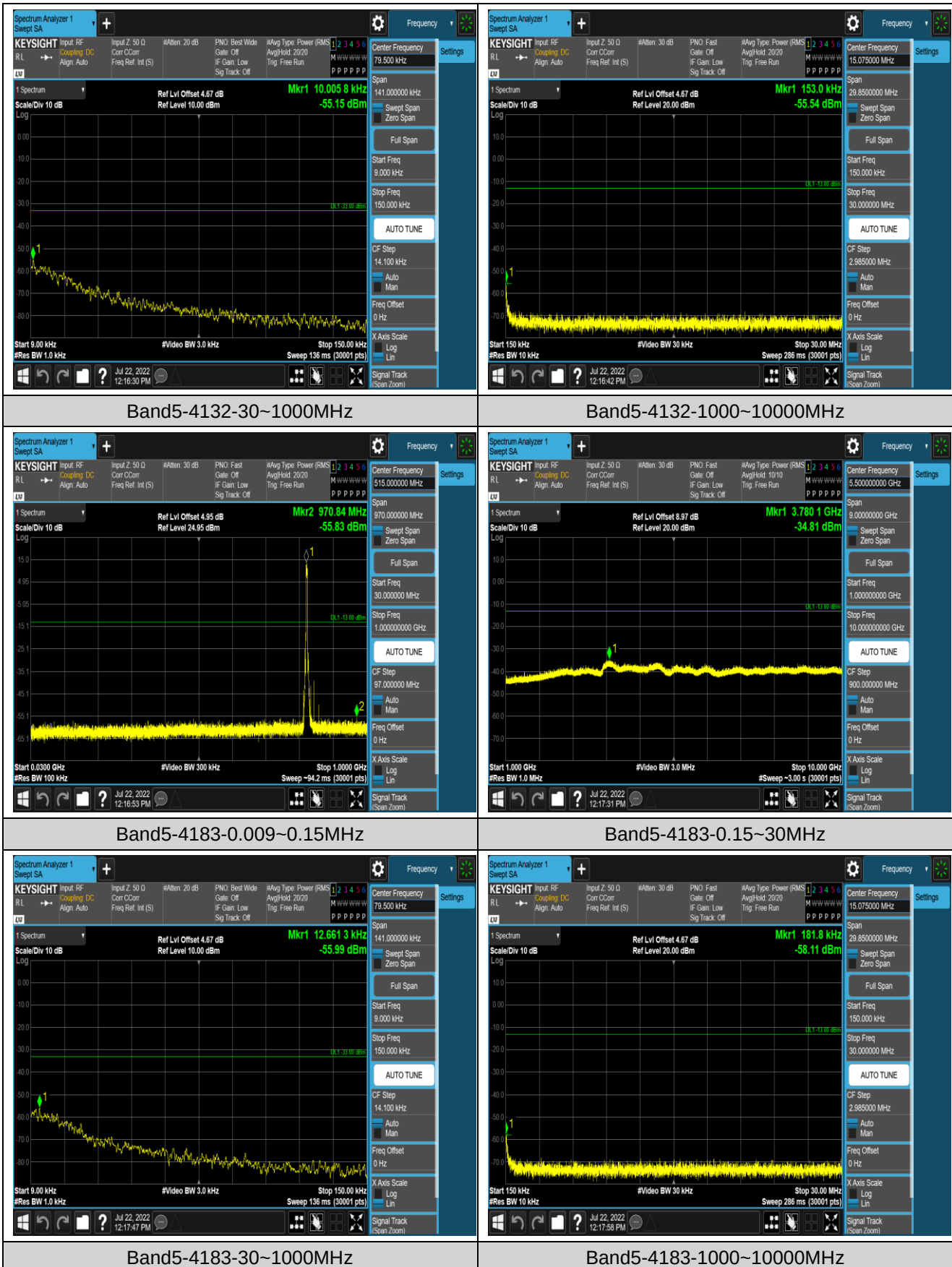
Tel: +86-755-23118282, Fax: +86-755-23116366

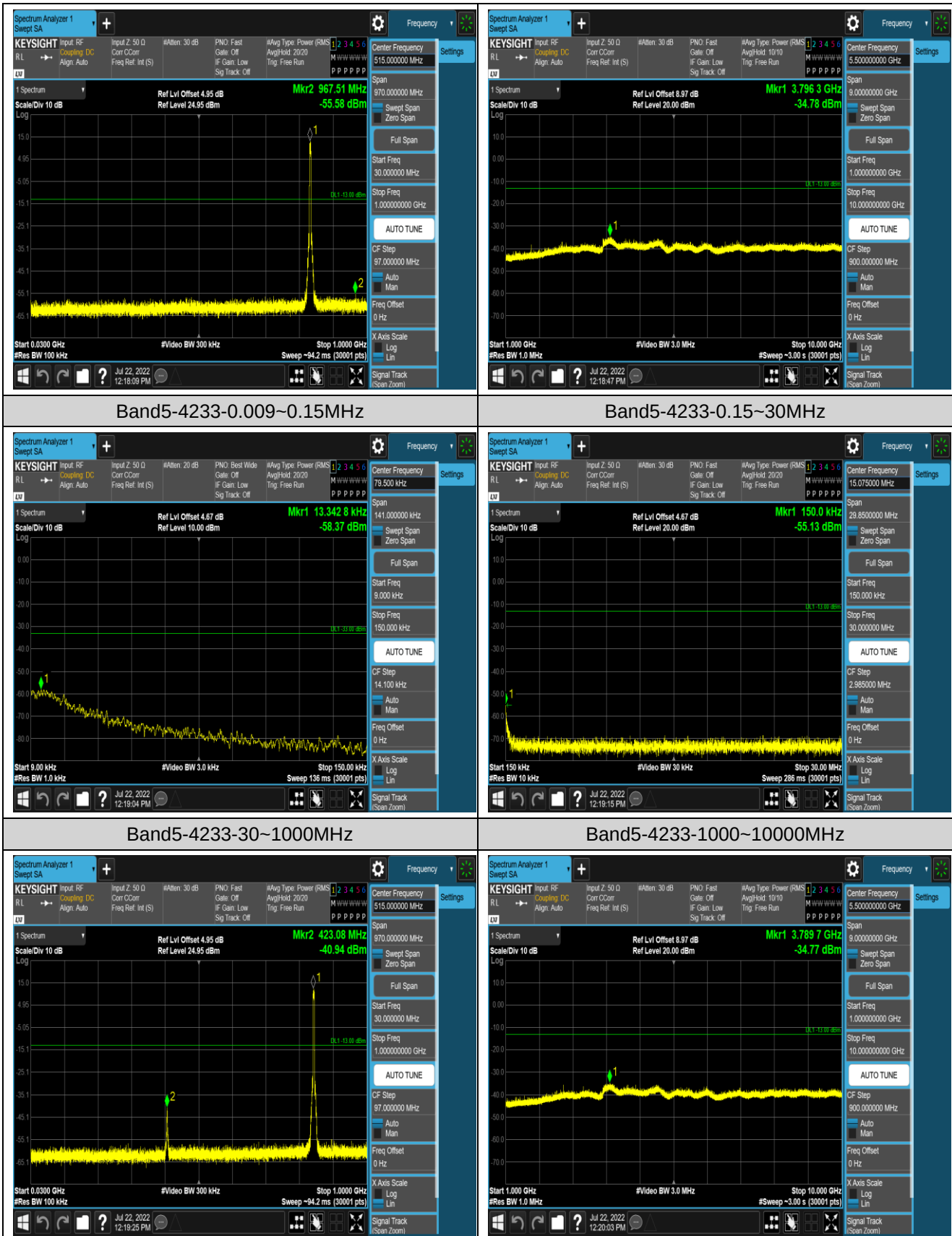
Project No.: JYTSZR2207052











AppendixF:Frequency Stability

Test Result

Reference Frequency: WCDMA BAND V 12.2k RMC Middle channel=4183 Frequency=836.6MHz					
Temperature					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	-12.20	-0.014583	±2.5	Pass
	-20	-9.31	-0.011128		
	-10	-13.56	-0.016208		
	0	-12.22	-0.014607		
	10	-5.97	-0.007136		
	20	-7.15	-0.008546		
	30	-7.87	-0.009407		
	40	-10.05	-0.012013		
	50	-12.25	-0.014643		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-6.52	-0.007793	±2.5	Pass
	3.70	-8.90	-0.010638		
	4.20	-8.93	-0.010674		
Remark: All channel had been tested, but only the worst case data displayed in this report.					

Reference Frequency: WCDMA BAND IV 12.2k RMC Middle Frequency=1413 channel=1732.6MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	-12.32	-0.007111	Within authorized band for BAND IV	Pass
	-20	-12.60	-0.007272		
	-10	-12.25	-0.007070		
	0	-9.81	-0.005662		
	10	-15.56	-0.008981		
	20	-13.38	-0.007722		
	30	-14.19	-0.008190		
	40	-13.54	-0.007815		
	50	-11.58	-0.006684		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-11.67	-0.006736	Within authorized band for BAND IV	Pass
	3.70	-12.77	-0.007370		
	4.20	-13.77	-0.007948		
Remark: All channel had been tested, but only the worst case data displayed in this report.					

Reference Frequency: WCDMA BAND II 12.2k RMC Middle Frequency=9400 channel=1880MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.70	-30	-13.12	-0.006979	Within authorized band for BAND II	Pass
	-20	-13.95	-0.007420		
	-10	-8.29	-0.004410		
	0	-13.38	-0.007117		
	10	-14.00	-0.007447		
	20	-14.83	-0.007888		
	30	-7.55	-0.004016		
	40	-10.92	-0.005809		
	50	-10.88	-0.005787		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.43	-9.07	-0.004824	Within authorized band for BAND II	Pass
	3.70	-11.87	-0.006314		
	4.20	-13.25	-0.007048		
Remark: All channel had been tested, but only the worst case data displayed in this report.					

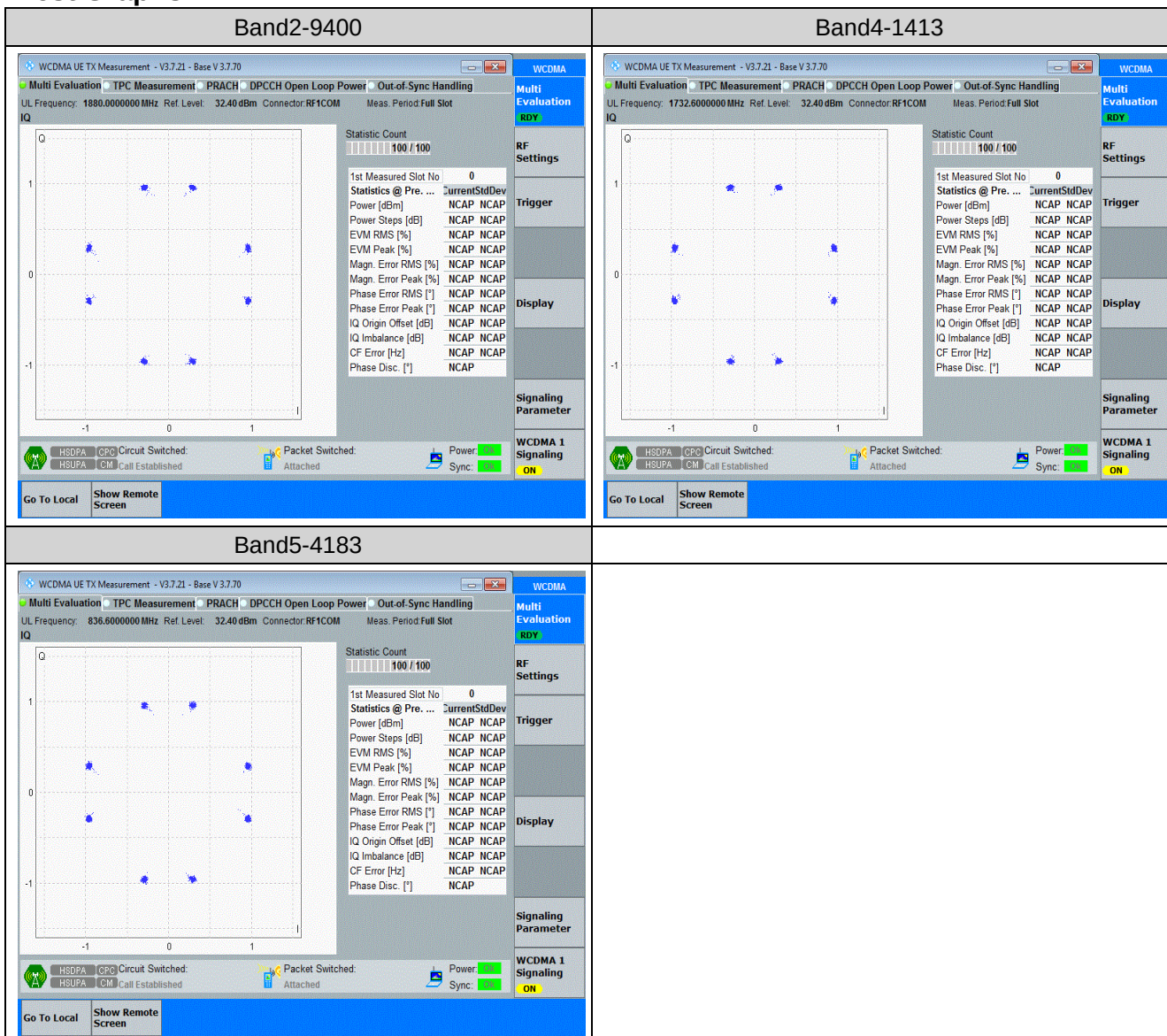
Appendix G: Modulation Characteristics

Test Result

Band	Channel	Result	Verdict
Band2	9400	PASS	PASS
Band4	1413	PASS	PASS
Band5	4183	PASS	PASS

Remark: All channel had been tested, but only the worst case data displayed in this report.

Test Graphs



End