

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	23.58	20.78	33.01	PASS
Band2	TestMode	9262	23.66	20.86	33.01	PASS
Band2	TestMode	9400	23.58	20.78	33.01	PASS
Band2	Voice	9400	23.58	20.78	33.01	PASS
Band2	Voice	9538	23.66	20.86	33.01	PASS
Band2	TestMode	9538	23.71	20.91	33.01	PASS
Band4	TestMode	1312	23.24	20.54	30.00	PASS
Band4	Voice	1312	23.2	20.5	30.00	PASS
Band4	TestMode	1413	23.39	20.69	30.00	PASS
Band4	Voice	1413	23.33	20.63	30.00	PASS
Band4	TestMode	1513	23.46	20.76	30.00	PASS
Band4	Voice	1513	23.39	20.69	30.00	PASS
Band5	TestMode	4132	23.51	14.46	38.45	PASS
Band5	Voice	4132	23.52	14.47	38.45	PASS
Band5	Voice	4183	23.52	14.47	38.45	PASS
Band5	TestMode	4183	23.62	14.57	38.45	PASS
Band5	Voice	4233	23.3	14.25	38.45	PASS
Band5	TestMode	4233	23.41	14.36	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	23.69	20.89	33.01	PASS
Band2	9262	2	23.09	20.29	33.01	PASS
Band2	9262	3	23.09	20.29	33.01	PASS
Band2	9262	4	23.17	20.37	33.01	PASS
Band2	9400	1	23.59	20.79	33.01	PASS
Band2	9400	2	22.97	20.17	33.01	PASS
Band2	9400	3	23.05	20.25	33.01	PASS
Band2	9400	4	23.09	20.29	33.01	PASS
Band2	9538	1	23.71	20.91	33.01	PASS
Band2	9538	2	23.08	20.28	33.01	PASS
Band2	9538	3	23.12	20.32	33.01	PASS
Band2	9538	4	23.14	20.34	33.01	PASS

Band4	1312	1	23.3	20.6	30.00	PASS
Band4	1312	2	22.73	20.03	30.00	PASS
Band4	1312	3	22.7	20	30.00	PASS
Band4	1312	4	22.67	19.97	30.00	PASS
Band4	1413	1	23.41	20.71	30.00	PASS
Band4	1413	2	22.86	20.16	30.00	PASS
Band4	1413	3	22.84	20.14	30.00	PASS
Band4	1413	4	22.8	20.1	30.00	PASS
Band4	1513	1	23.49	20.79	30.00	PASS
Band4	1513	2	22.91	20.21	30.00	PASS
Band4	1513	3	22.88	20.18	30.00	PASS
Band4	1513	4	22.86	20.16	30.00	PASS
Band5	4132	1	23.55	14.5	38.5	PASS
Band5	4132	2	23.03	13.98	38.5	PASS
Band5	4132	3	23.04	13.99	38.5	PASS
Band5	4132	4	22.99	13.94	38.5	PASS
Band5	4183	1	23.65	14.6	38.5	PASS
Band5	4183	2	23.08	14.03	38.5	PASS
Band5	4183	3	23.08	14.03	38.5	PASS
Band5	4183	4	23.05	14	38.5	PASS
Band5	4233	1	23.42	14.37	38.5	PASS
Band5	4233	2	22.86	13.81	38.5	PASS
Band5	4233	3	22.86	13.81	38.5	PASS
Band5	4233	4	22.84	13.79	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	21.6	18.8	33.01	PASS
Band2	9262	2	22.08	19.28	33.01	PASS
Band2	9262	3	22.61	19.81	33.01	PASS
Band2	9262	4	21.62	18.82	33.01	PASS
Band2	9262	5	23.58	20.78	33.01	PASS
Band2	9400	1	21.49	18.69	33.01	PASS
Band2	9400	2	21.99	19.19	33.01	PASS
Band2	9400	3	22.49	19.69	33.01	PASS
Band2	9400	4	21.49	18.69	33.01	PASS
Band2	9400	5	23.47	20.67	33.01	PASS
Band2	9538	1	21.6	18.8	33.01	PASS
Band2	9538	2	22.04	19.24	33.01	PASS
Band2	9538	3	22.55	19.75	33.01	PASS

Band2	9538	4	21.57	18.77	33.01	PASS
Band2	9538	5	23.6	20.8	33.01	PASS
Band4	1312	1	21.22	18.52	30.00	PASS
Band4	1312	2	21.71	19.01	30.00	PASS
Band4	1312	3	22.18	19.48	30.00	PASS
Band4	1312	4	21.2	18.5	30.00	PASS
Band4	1312	5	23.2	20.5	30.00	PASS
Band4	1413	1	21.33	18.63	30.00	PASS
Band4	1413	2	21.81	19.11	30.00	PASS
Band4	1413	3	22.34	19.64	30.00	PASS
Band4	1413	4	21.31	18.61	30.00	PASS
Band4	1413	5	23.33	20.63	30.00	PASS
Band4	1513	1	21.39	18.69	30.00	PASS
Band4	1513	2	21.89	19.19	30.00	PASS
Band4	1513	3	22.41	19.71	30.00	PASS
Band4	1513	4	21.39	18.69	30.00	PASS
Band4	1513	5	23.41	20.71	30.00	PASS
Band5	4132	1	21.53	12.48	38.5	PASS
Band5	4132	2	22.01	12.96	38.5	PASS
Band5	4132	3	22.52	13.47	38.5	PASS
Band5	4132	4	21.51	12.46	38.5	PASS
Band5	4132	5	23.54	14.49	38.5	PASS
Band5	4183	1	21.6	12.55	38.5	PASS
Band5	4183	2	22.11	13.06	38.5	PASS
Band5	4183	3	22.6	13.55	38.5	PASS
Band5	4183	4	21.64	12.59	38.5	PASS
Band5	4183	5	23.63	14.58	38.5	PASS
Band5	4233	1	21.35	12.3	38.5	PASS
Band5	4233	2	21.91	12.86	38.5	PASS
Band5	4233	3	22.41	13.36	38.5	PASS
Band5	4233	4	21.38	12.33	38.5	PASS
Band5	4233	5	23.4	14.35	38.5	PASS

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

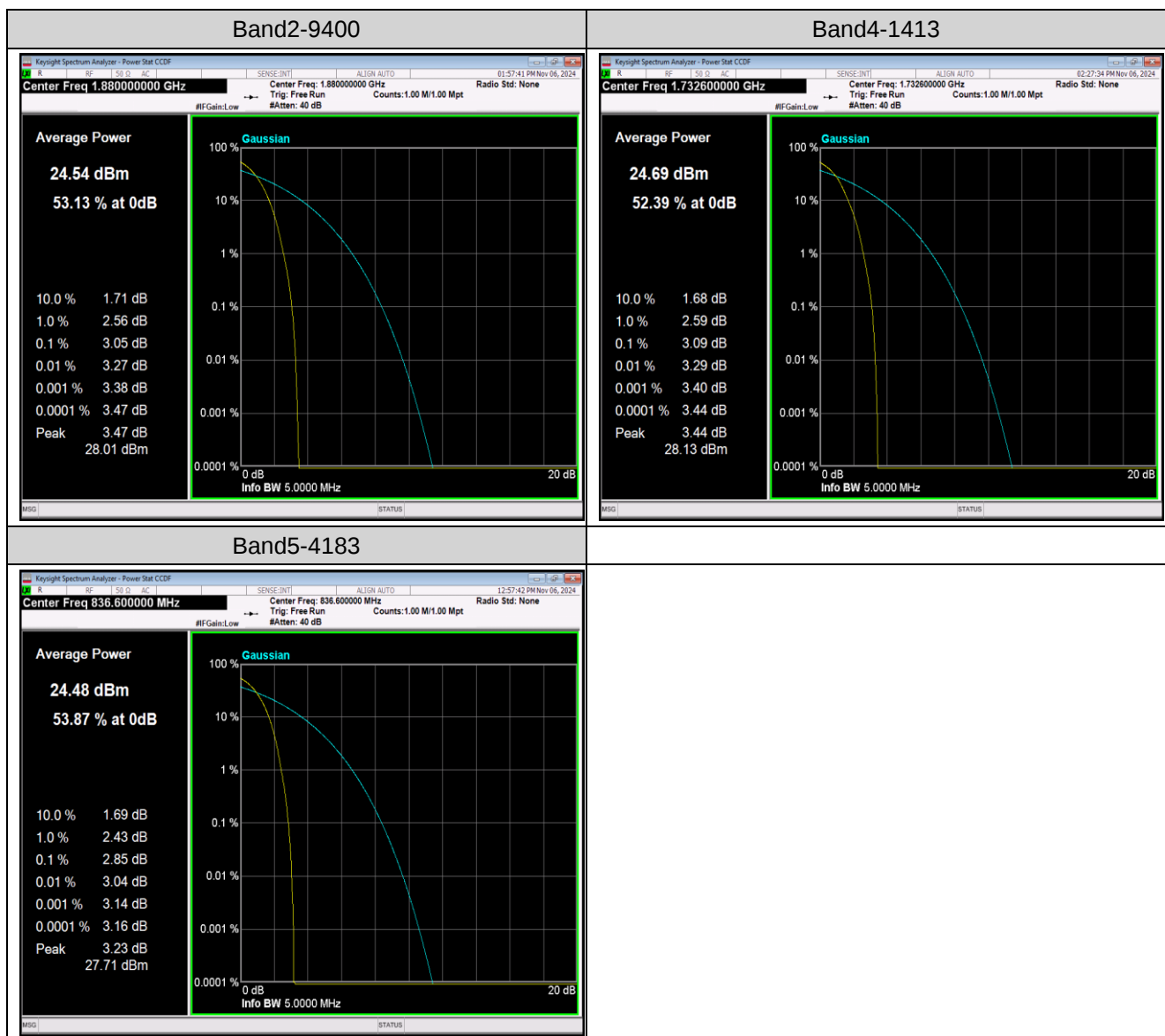
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.05	13	PASS
Band4	1413	3.09	13	PASS
Band5	4183	2.85	13	PASS

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

Test Graphs(WCDMA)

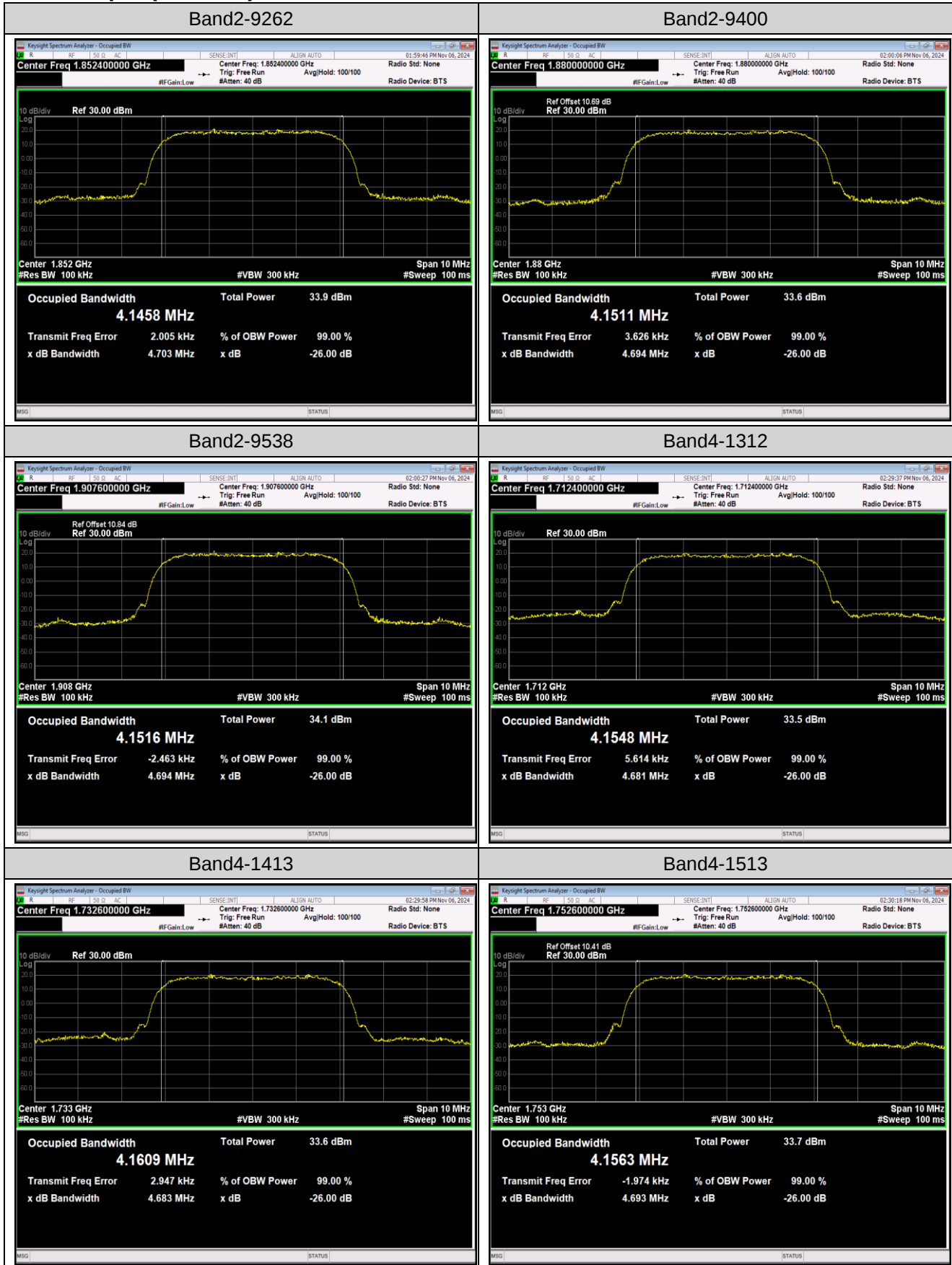


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1458	4.703	---	PASS
Band2	9400	4.1511	4.694	---	PASS
Band2	9538	4.1516	4.694	---	PASS
Band4	1312	4.1548	4.681	---	PASS
Band4	1413	4.1609	4.683	---	PASS
Band4	1513	4.1563	4.693	---	PASS
Band5	4132	4.1435	4.696	---	PASS
Band5	4183	4.1521	4.702	---	PASS
Band5	4233	4.1586	4.695	---	PASS

Test Graphs(WCDMA)



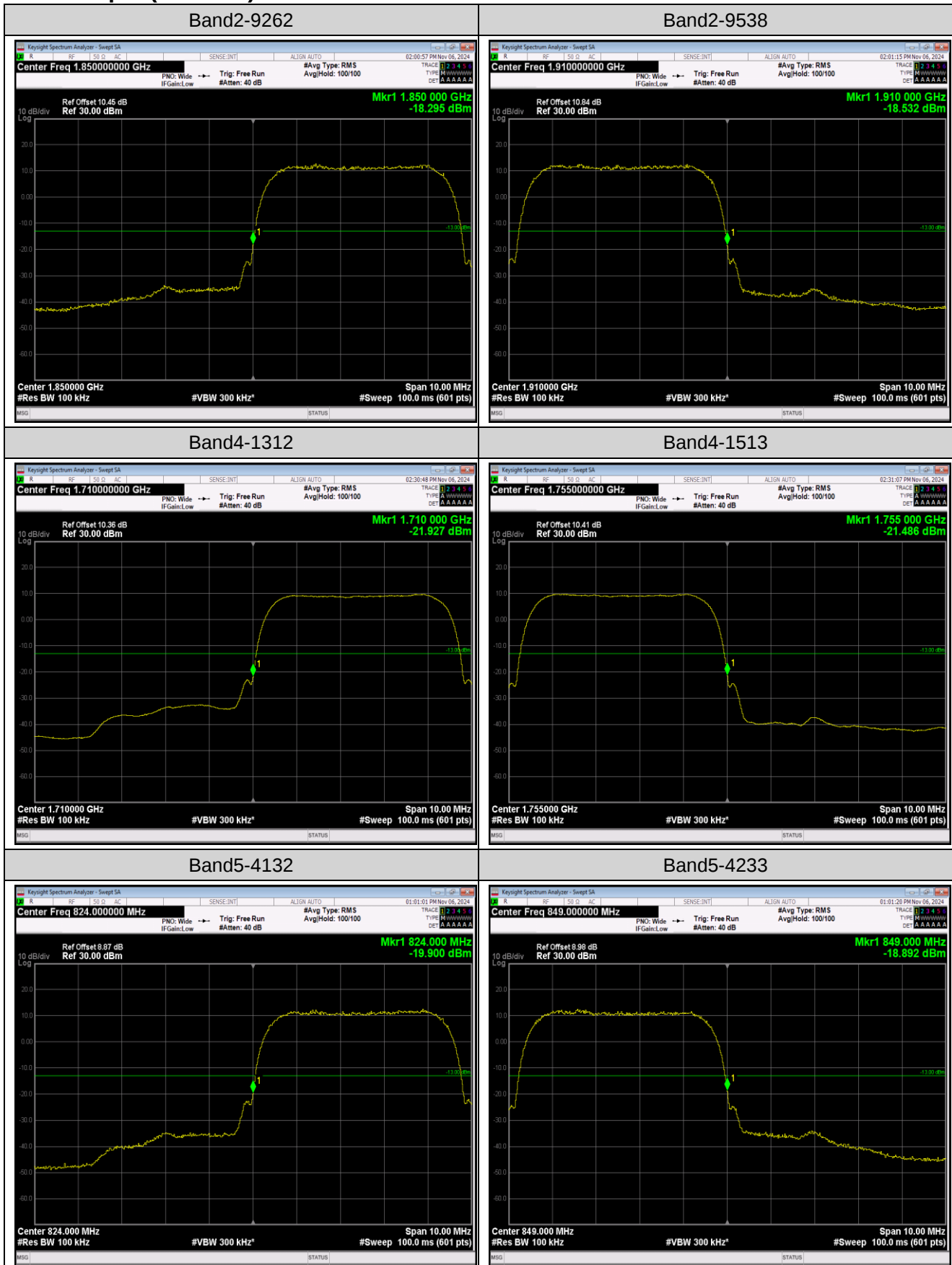


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-18.29	-13	PASS
Band2	9538	1910.00	-18.53	-13	PASS
Band4	1312	1710.00	-21.93	-13	PASS
Band4	1513	1755.00	-21.49	-13	PASS
Band5	4132	824.00	-19.90	-13	PASS
Band5	4233	849.00	-18.89	-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

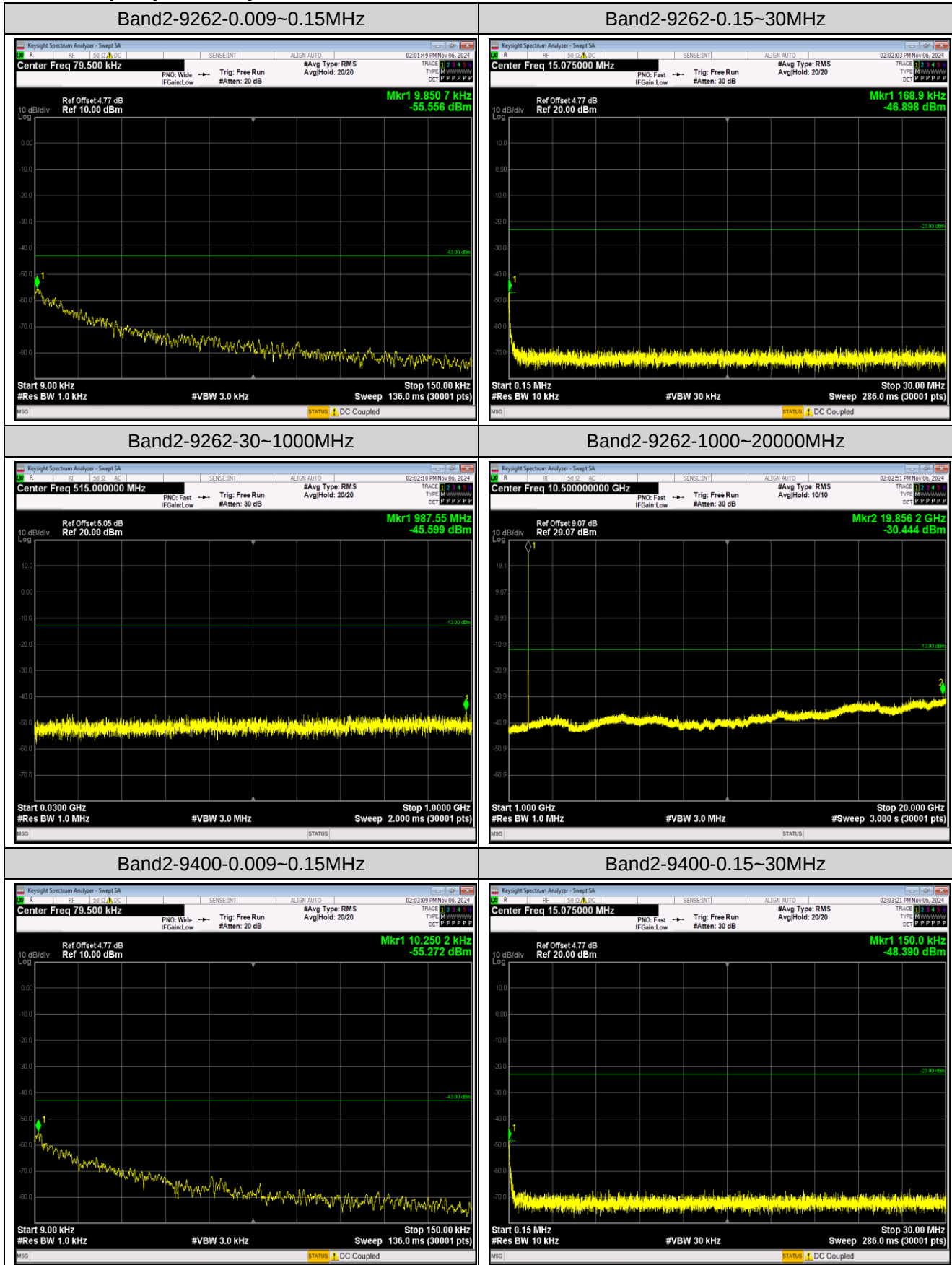
Project No.: JYTSZR2410035

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	-55.56	-43	PASS
Band2	9262	0.15~30MHz	0.17	-46.9	-23	PASS
Band2	9262	30~1000MHz	987.55	-45.6	-13	PASS
Band2	9262	1000~20000MHz	19856.23	-30.44	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-55.27	-43	PASS
Band2	9400	0.15~30MHz	0.15	-48.39	-23	PASS
Band2	9400	30~1000MHz	649.67	-46.3	-13	PASS
Band2	9400	1000~20000MHz	19982.27	-30.08	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-56.01	-43	PASS
Band2	9538	0.15~30MHz	0.16	-47.01	-23	PASS
Band2	9538	30~1000MHz	807.75	-45.69	-13	PASS
Band2	9538	1000~20000MHz	19915.13	-30.49	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-53.14	-43	PASS
Band4	1312	0.15~30MHz	0.15	-46.72	-23	PASS
Band4	1312	30~1000MHz	371.7	-45.85	-13	PASS
Band4	1312	1000~20000MHz	19924.63	-30.86	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-56.4	-43	PASS
Band4	1413	0.15~30MHz	0.15	-47.07	-23	PASS
Band4	1413	30~1000MHz	908.72	-45.5	-13	PASS
Band4	1413	1000~20000MHz	19994.93	-30.68	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-56.48	-43	PASS
Band4	1513	0.15~30MHz	0.15	-48.07	-23	PASS
Band4	1513	30~1000MHz	778.1	-45.48	-13	PASS
Band4	1513	1000~20000MHz	19802.4	-30.15	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-57.34	-33	PASS
Band5	4132	0.15~30MHz	0.15	-48.39	-13	PASS
Band5	4132	30~1000MHz	396.85	-54.38	-13	PASS
Band5	4132	1000~10000MHz	5861.5	-37.28	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-56.13	-33	PASS
Band5	4183	0.15~30MHz	0.15	-45.29	-13	PASS
Band5	4183	30~1000MHz	981.99	-54.67	-13	PASS
Band5	4183	1000~10000MHz	5926.3	-36.42	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-56.27	-33	PASS
Band5	4233	0.15~30MHz	0.17	-48.87	-13	PASS
Band5	4233	30~1000MHz	278.51	-54.73	-13	PASS
Band5	4233	1000~10000MHz	5926.9	-36.25	-13	PASS

Test Graphs(WCDMA)

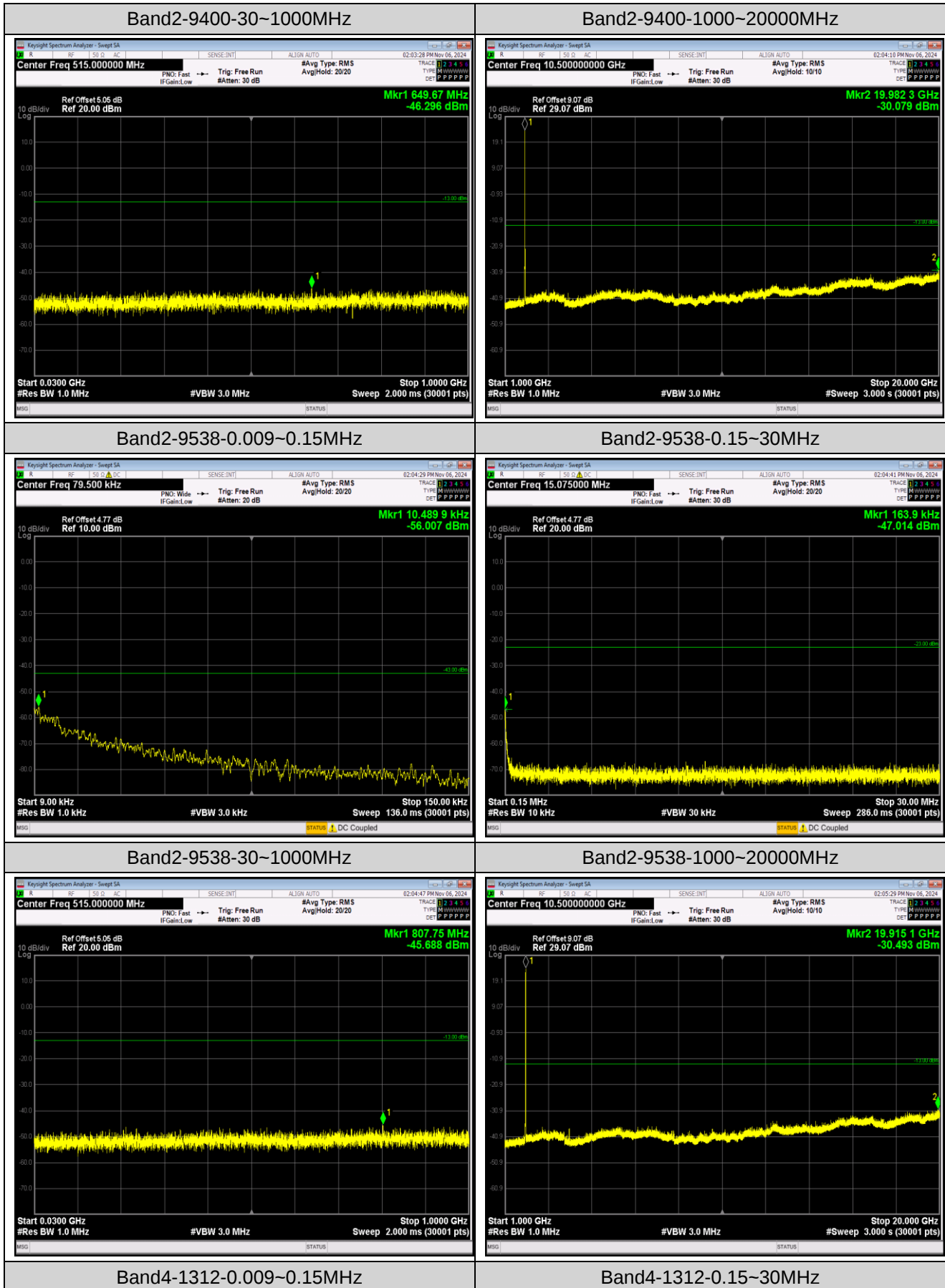


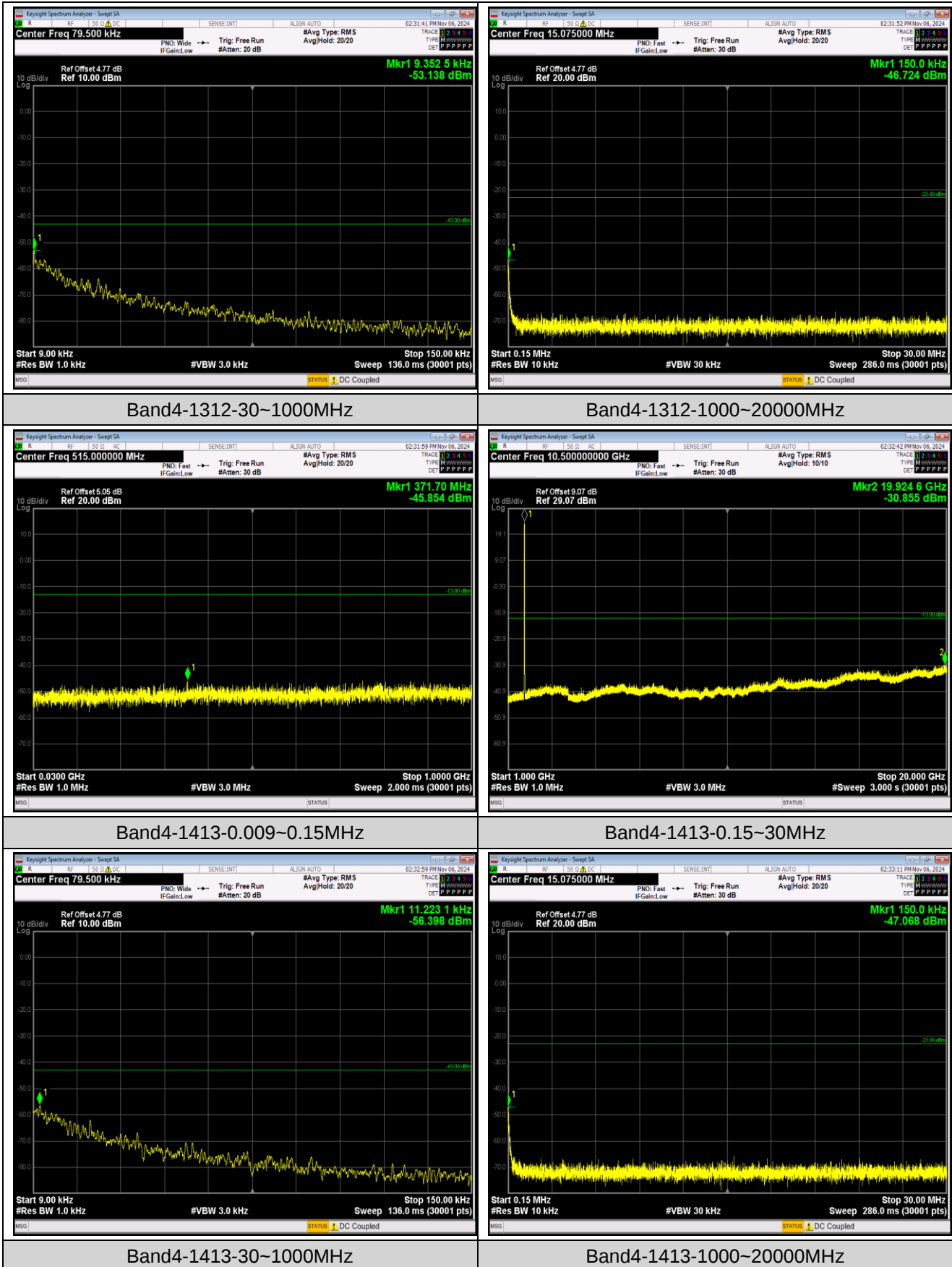
JianYan Testing Group Shenzhen Co., Ltd.

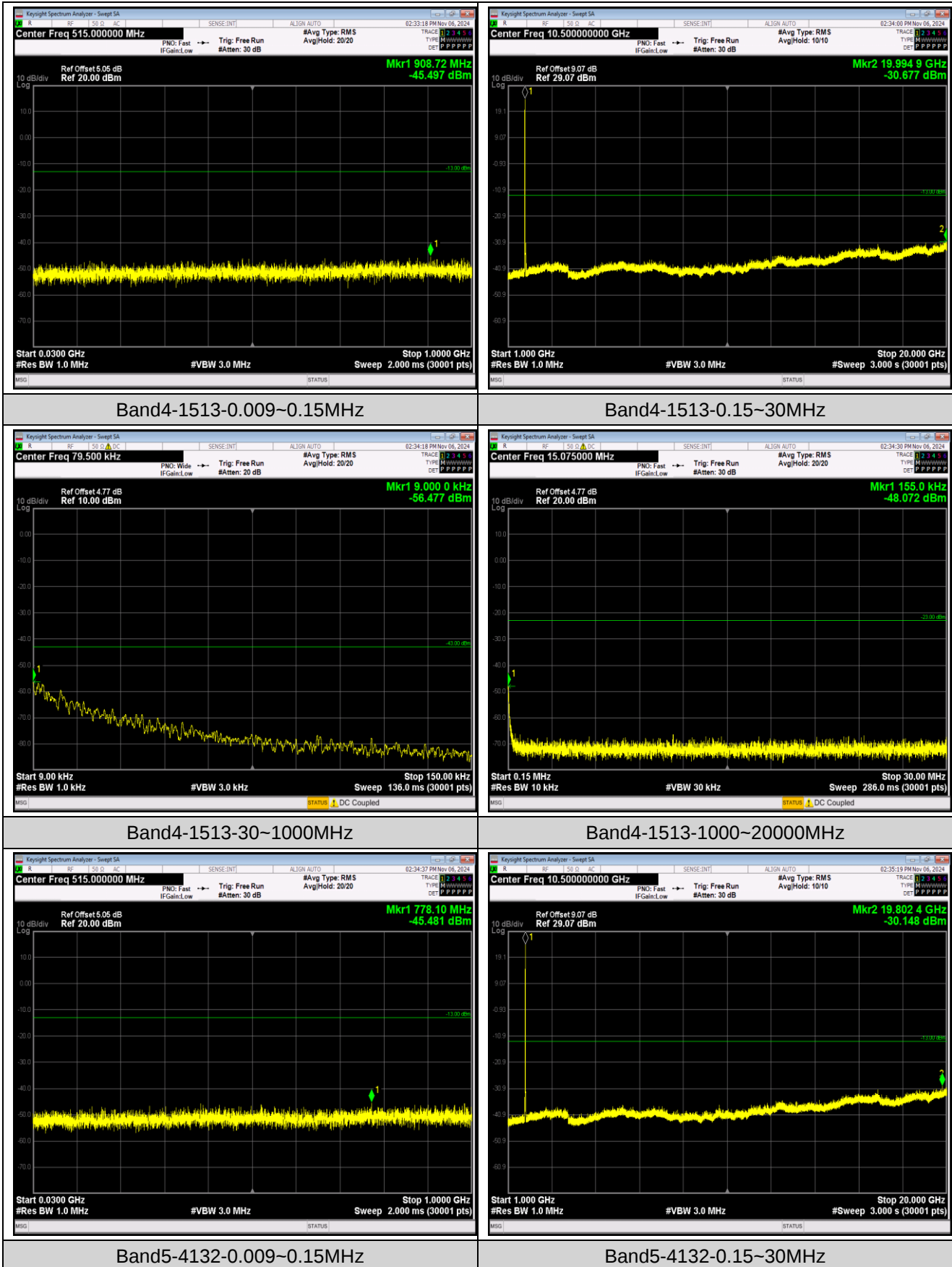
No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

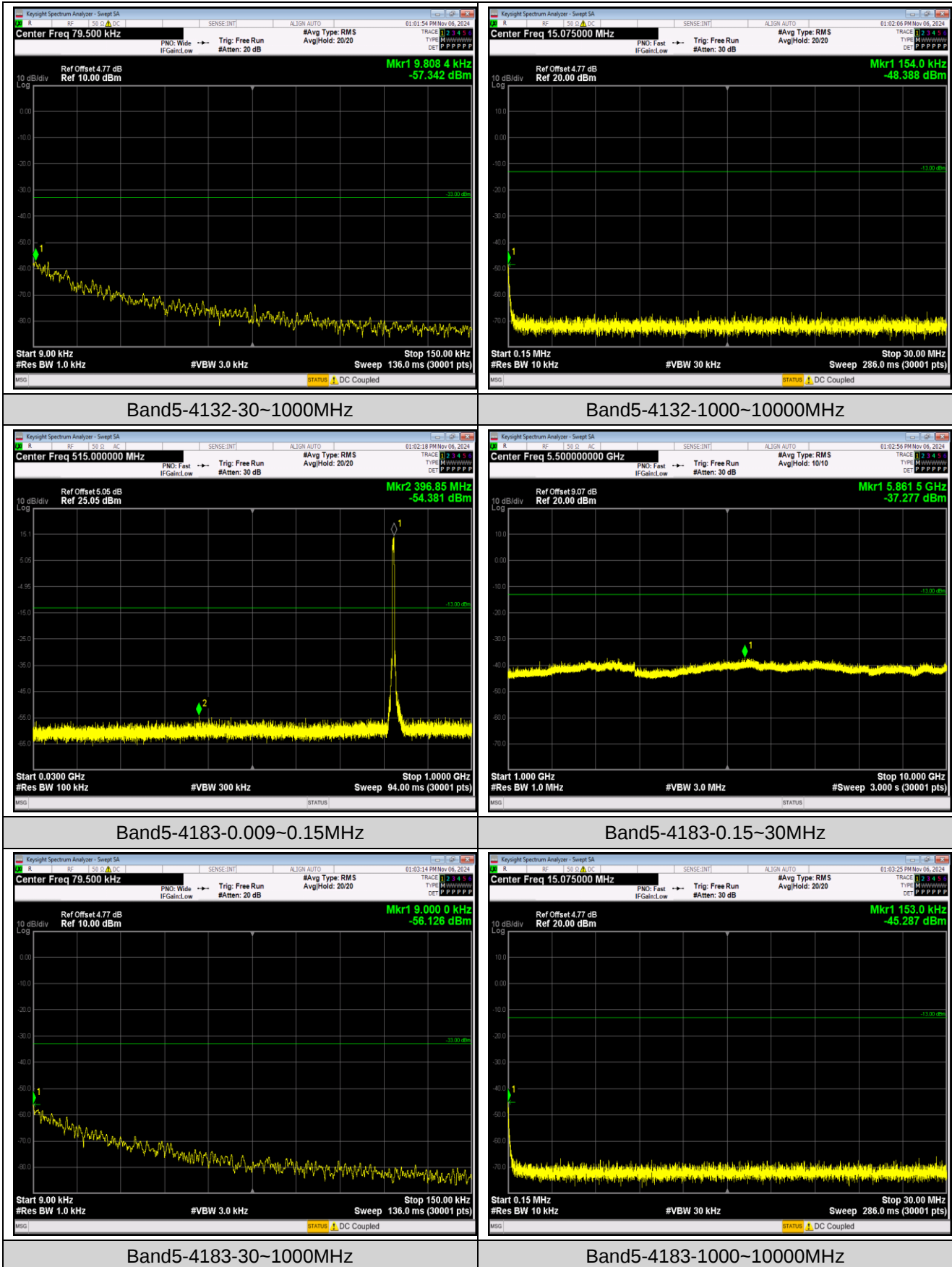
Tel: +86-755-23118282, Fax: +86-755-23116366

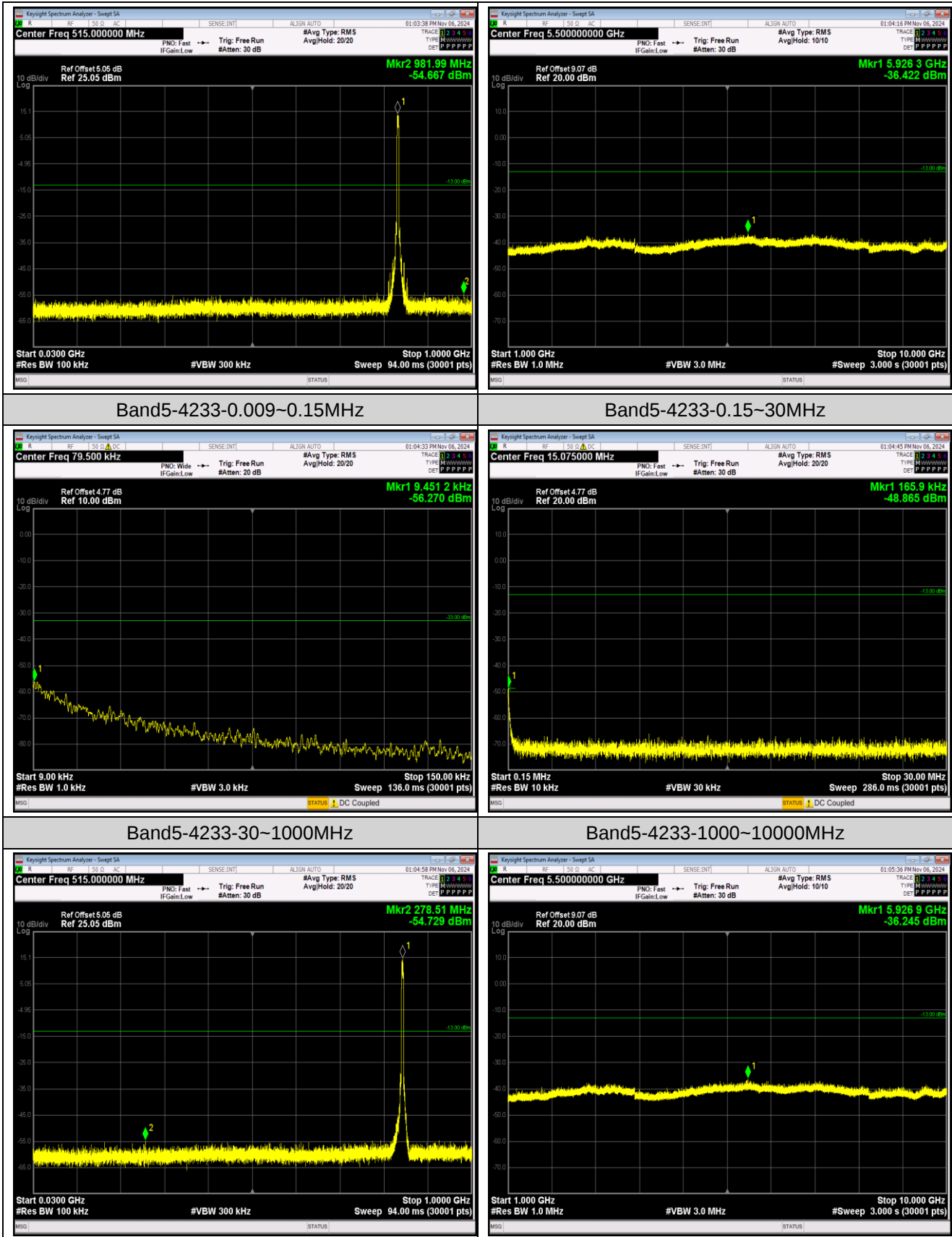
Project No.: JYTSZR2410035











AppendixF:Frequency Stability

Test Result

Reference Frequency: WCDMA BAND V 12.2k RMC Middle channel=4183 Frequency=836.6MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.91	-30	-1.12	-0.001339	±2.5	Pass
	-20	-3.38	-0.004040		
	-10	-3.94	-0.004710		
	0	-3.16	-0.003777		
	10	-1.64	-0.001960		
	20	-2.50	-0.002988		
	30	-1.82	-0.002175		
	40	-2.93	-0.003502		
	50	-4.42	-0.005283		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-1.44	-0.001721	±2.5	Pass
	3.91	-2.98	-0.003562		
	4.50	-1.71	-0.002044		
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 (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.91	-30	-4.21	-0.002430	Within authorized band for BAND IV	Pass
	-20	-4.14	-0.002389		
	-10	-6.54	-0.003775		
	0	-6.80	-0.003925		
	10	-4.67	-0.002695		
	20	-3.25	-0.001876		
	30	-2.87	-0.001656		
	40	-6.57	-0.003792		
	50	-5.92	-0.003417		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-6.01	-0.003469	Within authorized band for BAND IV	Pass
	3.91	-3.31	-0.001910		
	4.50	-5.05	-0.002915		
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		
3.91	-30	1.07	0.000569	Within authorized band for BAND II	Pass
	-20	-2.85	-0.001516		
	-10	-4.07	-0.002165		
	0	-1.66	-0.000883		
	10	-2.36	-0.001255		
	20	-2.41	-0.001282		
	30	-1.97	-0.001048		
	40	-3.10	-0.001649		
	50	-1.37	-0.000729		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-1.48	-0.000787	Within authorized band for BAND II	Pass
	3.91	-2.59	-0.001378		
	4.50	0.08	0.000043		
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

