

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	23.24	21.4	33.01	PASS
Band2	TestMode	9262	23.34	21.5	33.01	PASS
Band2	TestMode	9400	23.75	21.91	33.01	PASS
Band2	Voice	9400	23.78	21.94	33.01	PASS
Band2	TestMode	9538	23.73	21.89	33.01	PASS
Band2	Voice	9538	23.75	21.91	33.01	PASS
Band4	Voice	1312	23.71	22.86	30.00	PASS
Band4	TestMode	1312	23.69	22.84	30.00	PASS
Band4	Voice	1413	23.28	22.43	30.00	PASS
Band4	TestMode	1413	23.45	22.6	30.00	PASS
Band4	TestMode	1513	23.51	22.66	30.00	PASS
Band4	Voice	1513	23.41	22.56	30.00	PASS
Band5	Voice	4132	24.13	15.29	38.45	PASS
Band5	TestMode	4132	24.20	15.36	38.45	PASS
Band5	TestMode	4183	24.29	15.45	38.45	PASS
Band5	Voice	4183	24.34	15.5	38.45	PASS
Band5	Voice	4233	24.25	15.41	38.45	PASS
Band5	TestMode	4233	24.24	15.4	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	23.36	21.52	33.01	PASS
Band2	9262	2	22.76	20.92	33.01	PASS
Band2	9262	3	22.77	20.93	33.01	PASS
Band2	9262	4	22.77	20.93	33.01	PASS
Band2	9400	1	23.79	21.95	33.01	PASS
Band2	9400	2	23.13	21.29	33.01	PASS
Band2	9400	3	23.23	21.39	33.01	PASS
Band2	9400	4	23.18	21.34	33.01	PASS
Band2	9538	1	23.75	21.91	33.01	PASS
Band2	9538	2	23.13	21.29	33.01	PASS
Band2	9538	3	23.17	21.33	33.01	PASS
Band2	9538	4	23.19	21.35	33.01	PASS

Band4	1312	1	23.73	22.88	30.00	PASS
Band4	1312	2	23.13	22.28	30.00	PASS
Band4	1312	3	23.14	22.29	30.00	PASS
Band4	1312	4	23.10	22.25	30.00	PASS
Band4	1413	1	23.45	22.6	30.00	PASS
Band4	1413	2	22.86	22.01	30.00	PASS
Band4	1413	3	22.88	22.03	30.00	PASS
Band4	1413	4	22.86	22.01	30.00	PASS
Band4	1513	1	23.53	22.68	30.00	PASS
Band4	1513	2	22.96	22.11	30.00	PASS
Band4	1513	3	22.94	22.09	30.00	PASS
Band4	1513	4	22.90	22.05	30.00	PASS
Band5	4132	1	23.22	14.38	38.5	PASS
Band5	4132	2	22.69	13.85	38.5	PASS
Band5	4132	3	22.68	13.84	38.5	PASS
Band5	4132	4	22.66	13.82	38.5	PASS
Band5	4183	1	23.35	14.51	38.5	PASS
Band5	4183	2	22.78	13.94	38.5	PASS
Band5	4183	3	22.80	13.96	38.5	PASS
Band5	4183	4	22.74	13.9	38.5	PASS
Band5	4233	1	23.29	14.45	38.5	PASS
Band5	4233	2	22.73	13.89	38.5	PASS
Band5	4233	3	22.76	13.92	38.5	PASS
Band5	4233	4	22.71	13.87	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	21.33	19.49	33.01	PASS
Band2	9262	2	21.80	19.96	33.01	PASS
Band2	9262	3	22.34	20.5	33.01	PASS
Band2	9262	4	21.32	19.48	33.01	PASS
Band2	9262	5	23.33	21.49	33.01	PASS
Band2	9400	1	21.70	19.86	33.01	PASS
Band2	9400	2	22.20	20.36	33.01	PASS
Band2	9400	3	22.70	20.86	33.01	PASS
Band2	9400	4	21.69	19.85	33.01	PASS
Band2	9400	5	23.70	21.86	33.01	PASS
Band2	9538	1	21.70	19.86	33.01	PASS
Band2	9538	2	22.16	20.32	33.01	PASS
Band2	9538	3	22.66	20.82	33.01	PASS

Band2	9538	4	21.68	19.84	33.01	PASS
Band2	9538	5	23.74	21.9	33.01	PASS
Band4	1312	1	21.65	20.8	30.00	PASS
Band4	1312	2	22.18	21.33	30.00	PASS
Band4	1312	3	22.66	21.81	30.00	PASS
Band4	1312	4	21.67	20.82	30.00	PASS
Band4	1312	5	23.68	22.83	30.00	PASS
Band4	1413	1	21.40	20.55	30.00	PASS
Band4	1413	2	21.88	21.03	30.00	PASS
Band4	1413	3	22.38	21.53	30.00	PASS
Band4	1413	4	21.40	20.55	30.00	PASS
Band4	1413	5	23.44	22.59	30.00	PASS
Band4	1513	1	21.49	20.64	30.00	PASS
Band4	1513	2	21.96	21.11	30.00	PASS
Band4	1513	3	22.47	21.62	30.00	PASS
Band4	1513	4	21.50	20.65	30.00	PASS
Band4	1513	5	23.51	22.66	30.00	PASS
Band5	4132	1	22.27	13.43	38.5	PASS
Band5	4132	2	22.74	13.9	38.5	PASS
Band5	4132	3	23.26	14.42	38.5	PASS
Band5	4132	4	22.27	13.43	38.5	PASS
Band5	4132	5	24.26	15.42	38.5	PASS
Band5	4183	1	22.31	13.47	38.5	PASS
Band5	4183	2	22.79	13.95	38.5	PASS
Band5	4183	3	23.32	14.48	38.5	PASS
Band5	4183	4	22.34	13.5	38.5	PASS
Band5	4183	5	24.32	15.48	38.5	PASS
Band5	4233	1	22.27	13.43	38.5	PASS
Band5	4233	2	22.77	13.93	38.5	PASS
Band5	4233	3	23.32	14.48	38.5	PASS
Band5	4233	4	22.30	13.46	38.5	PASS
Band5	4233	5	24.30	15.46	38.5	PASS

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

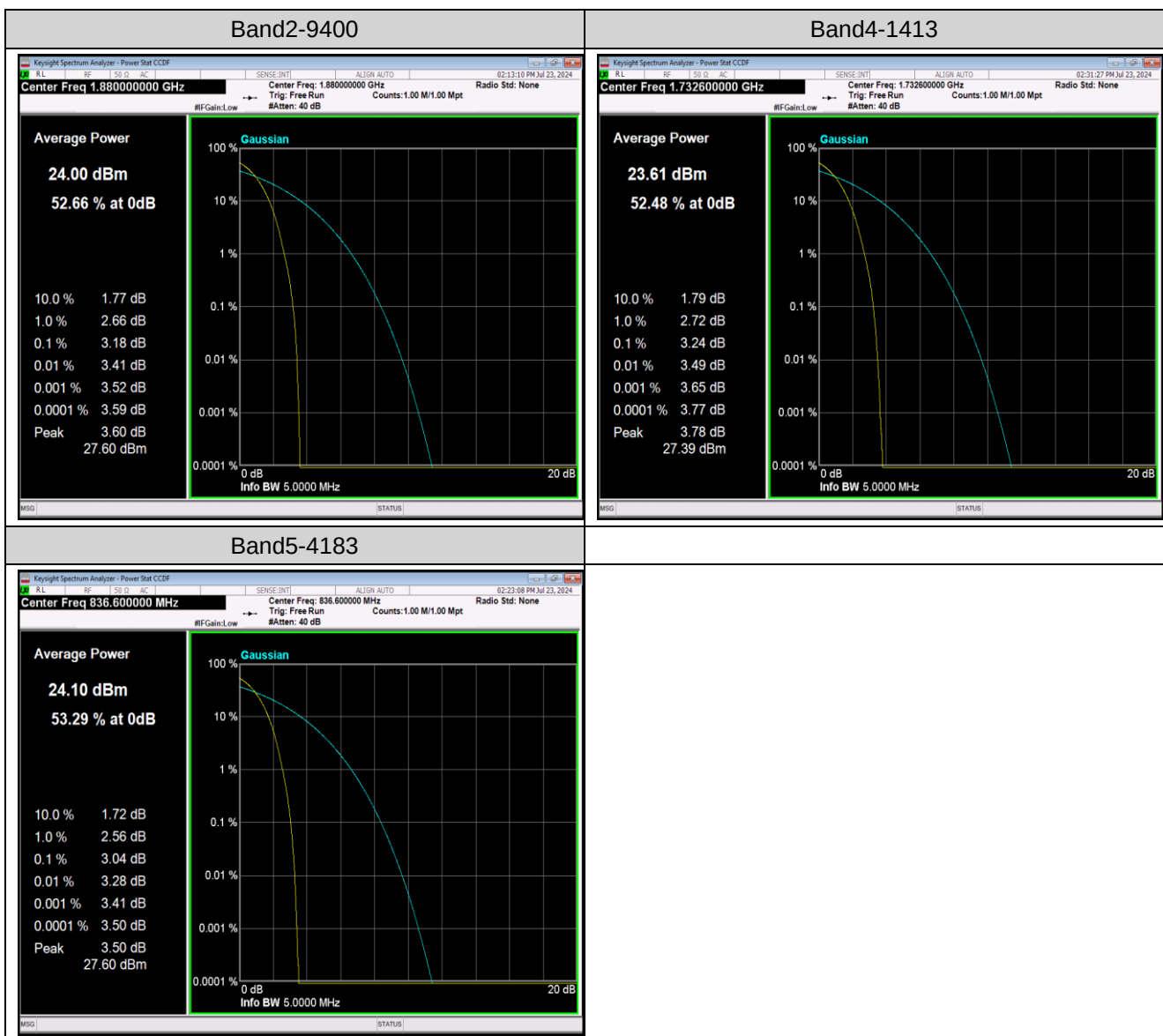
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.18	13	PASS
Band4	1413	3.24	13	PASS
Band5	4183	3.04	13	PASS

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

Test Graphs(WCDMA)

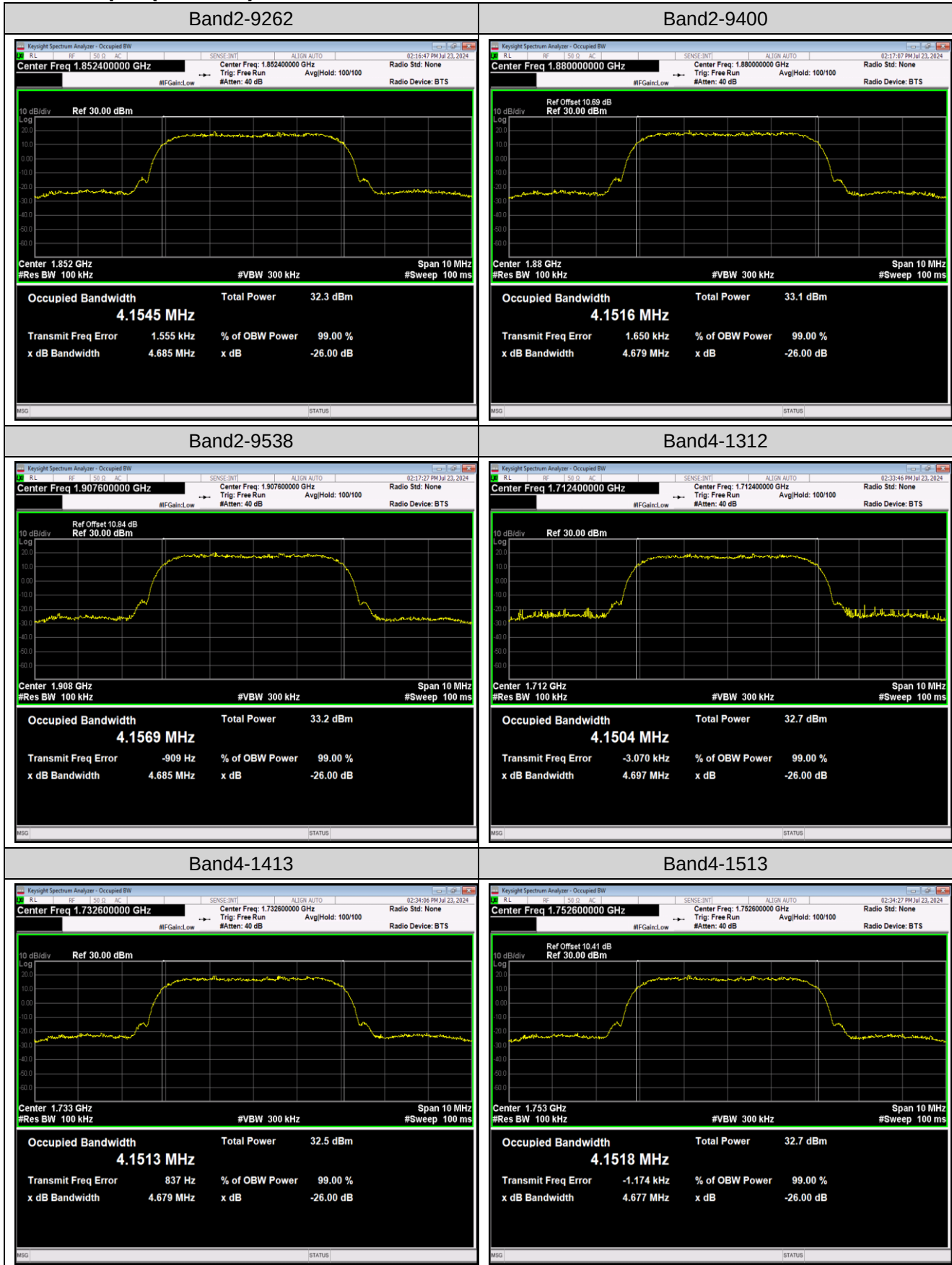


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1545	4.685	---	PASS
Band2	9400	4.1516	4.679	---	PASS
Band2	9538	4.1569	4.685	---	PASS
Band4	1312	4.1504	4.697	---	PASS
Band4	1413	4.1513	4.679	---	PASS
Band4	1513	4.1518	4.677	---	PASS
Band5	4132	4.1498	4.694	---	PASS
Band5	4183	4.1589	4.691	---	PASS
Band5	4233	4.1537	4.683	---	PASS

Test Graphs(WCDMA)



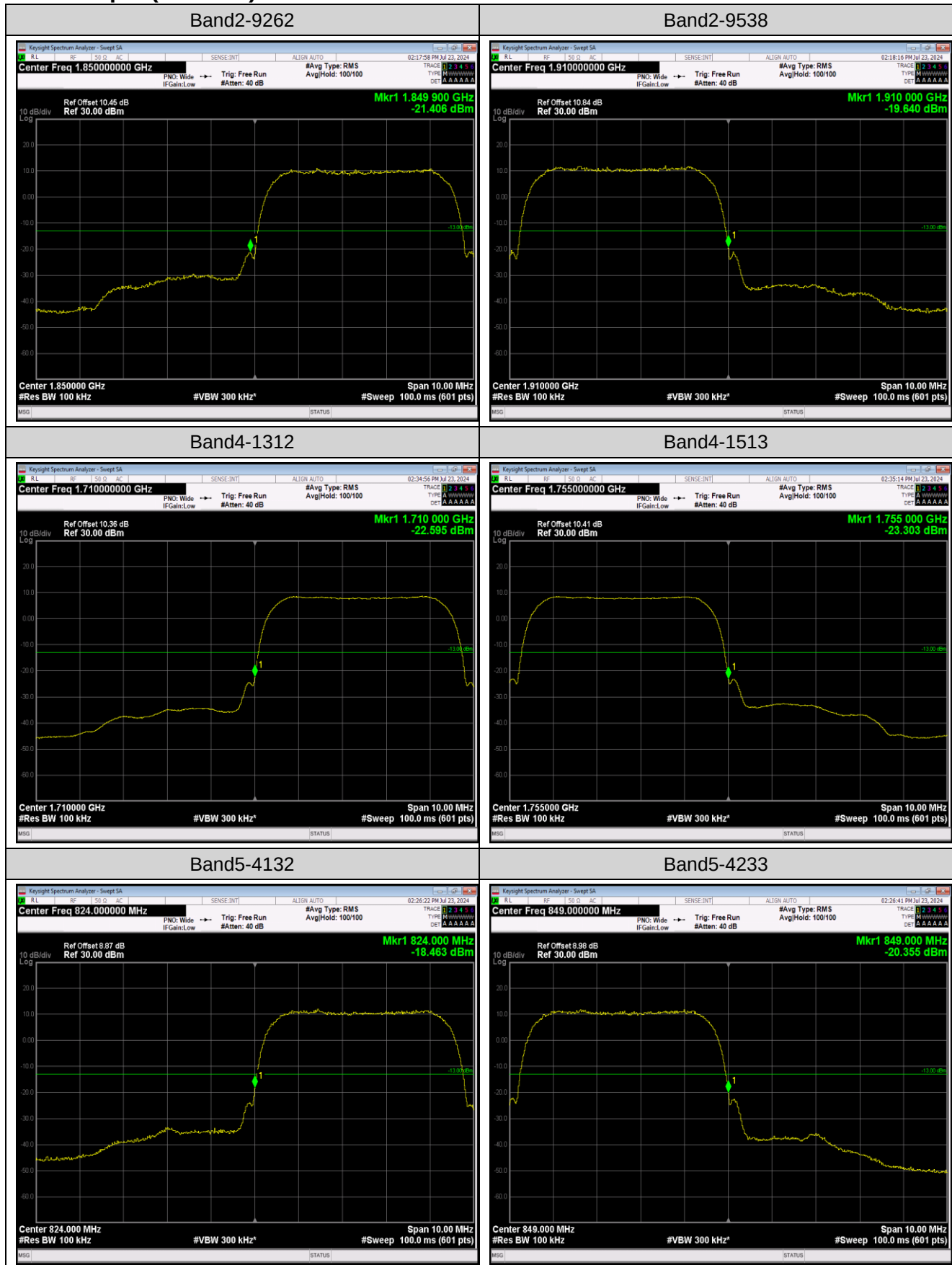


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1849.90	-21.41	-13	PASS
Band2	9538	1910.00	-19.64	-13	PASS
Band4	1312	1710.00	-22.60	-13	PASS
Band4	1513	1755.00	-23.30	-13	PASS
Band5	4132	824.00	-18.46	-13	PASS
Band5	4233	849.00	-20.35	-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

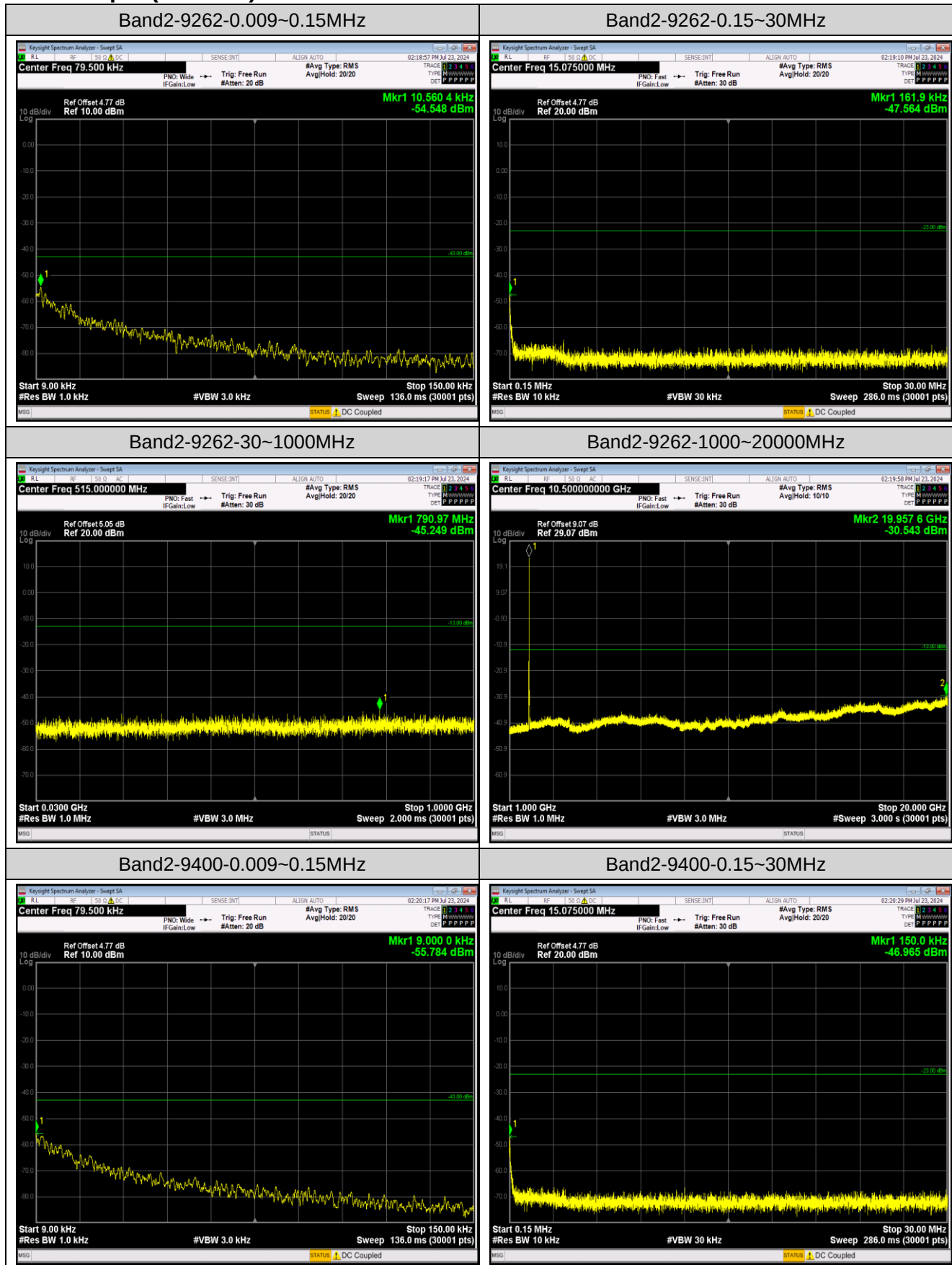
Project No.: JYTSZR2406068

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	-54.55	-43	PASS
Band2	9262	0.15~30MHz	0.16	-47.56	-23	PASS
Band2	9262	30~1000MHz	790.97	-45.25	-13	PASS
Band2	9262	1000~20000MHz	19957.57	-30.54	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-55.78	-43	PASS
Band2	9400	0.15~30MHz	0.15	-46.97	-23	PASS
Band2	9400	30~1000MHz	780.42	-45.42	-13	PASS
Band2	9400	1000~20000MHz	19903.1	-30.76	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-55.68	-43	PASS
Band2	9538	0.15~30MHz	0.17	-47.88	-23	PASS
Band2	9538	30~1000MHz	538.25	-44.03	-13	PASS
Band2	9538	1000~20000MHz	19843.57	-30.68	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-57.14	-43	PASS
Band4	1312	0.15~30MHz	0.15	-48.01	-23	PASS
Band4	1312	30~1000MHz	299.05	-45.43	-13	PASS
Band4	1312	1000~20000MHz	19957.57	-30.34	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-55.28	-43	PASS
Band4	1413	0.15~30MHz	0.15	-47.19	-23	PASS
Band4	1413	30~1000MHz	869.63	-45.36	-13	PASS
Band4	1413	1000~20000MHz	19967.07	-30.14	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-57.85	-43	PASS
Band4	1513	0.15~30MHz	0.16	-49.27	-23	PASS
Band4	1513	30~1000MHz	353.88	-45.38	-13	PASS
Band4	1513	1000~20000MHz	19471.17	-30.51	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-55.2	-33	PASS
Band5	4132	0.15~30MHz	0.15	-46.9	-13	PASS
Band5	4132	30~1000MHz	340.17	-54.79	-13	PASS
Band5	4132	1000~10000MHz	5910.7	-37.19	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-55.38	-33	PASS
Band5	4183	0.15~30MHz	0.15	-47.67	-13	PASS
Band5	4183	30~1000MHz	1000	-54.38	-13	PASS
Band5	4183	1000~10000MHz	7341.4	-36.99	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-56.26	-33	PASS
Band5	4233	0.15~30MHz	0.15	-46.54	-13	PASS
Band5	4233	30~1000MHz	397.95	-55.14	-13	PASS
Band5	4233	1000~10000MHz	5431.9	-36.33	-13	PASS

Test Graphs(WCDMA)

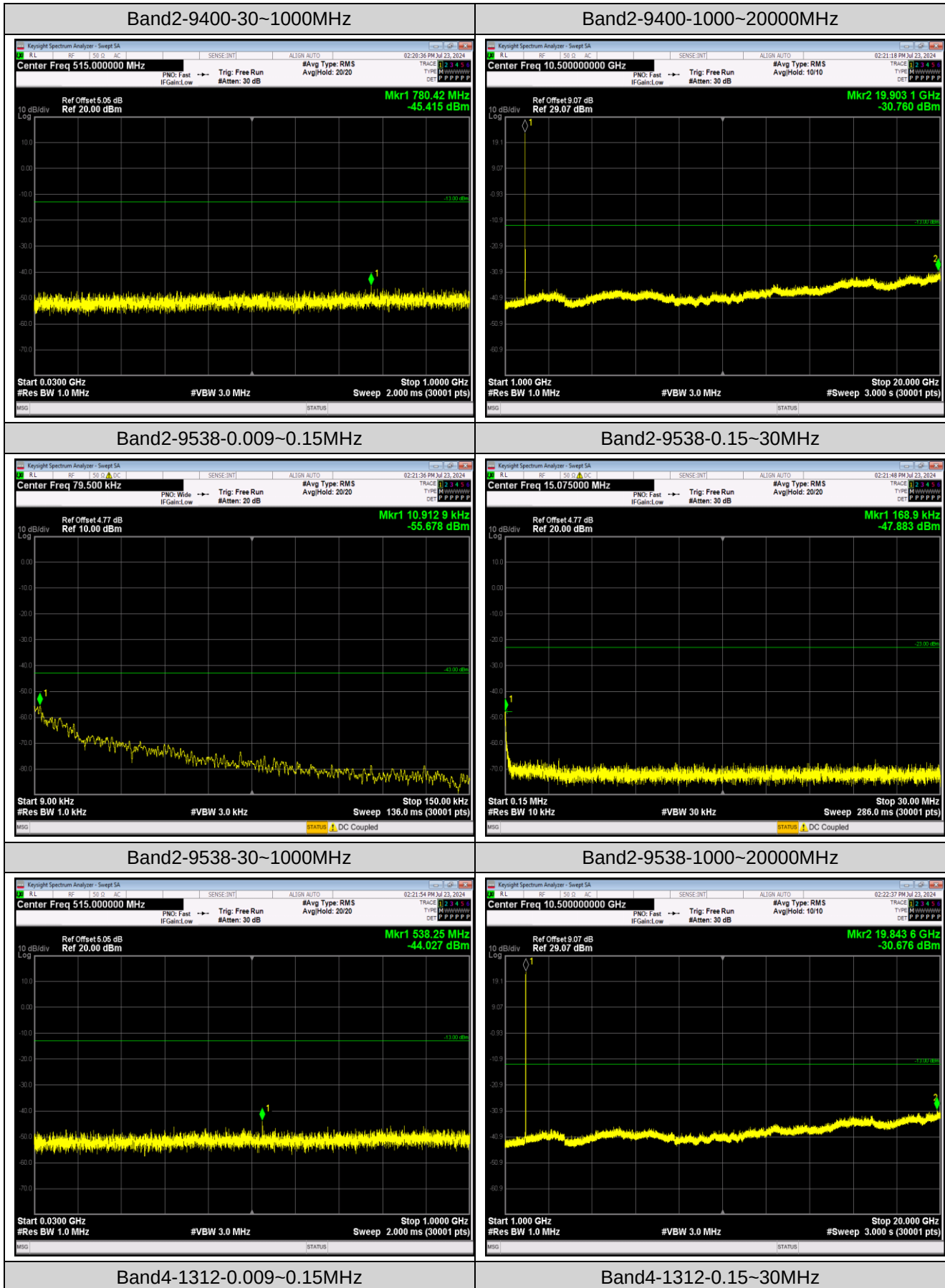


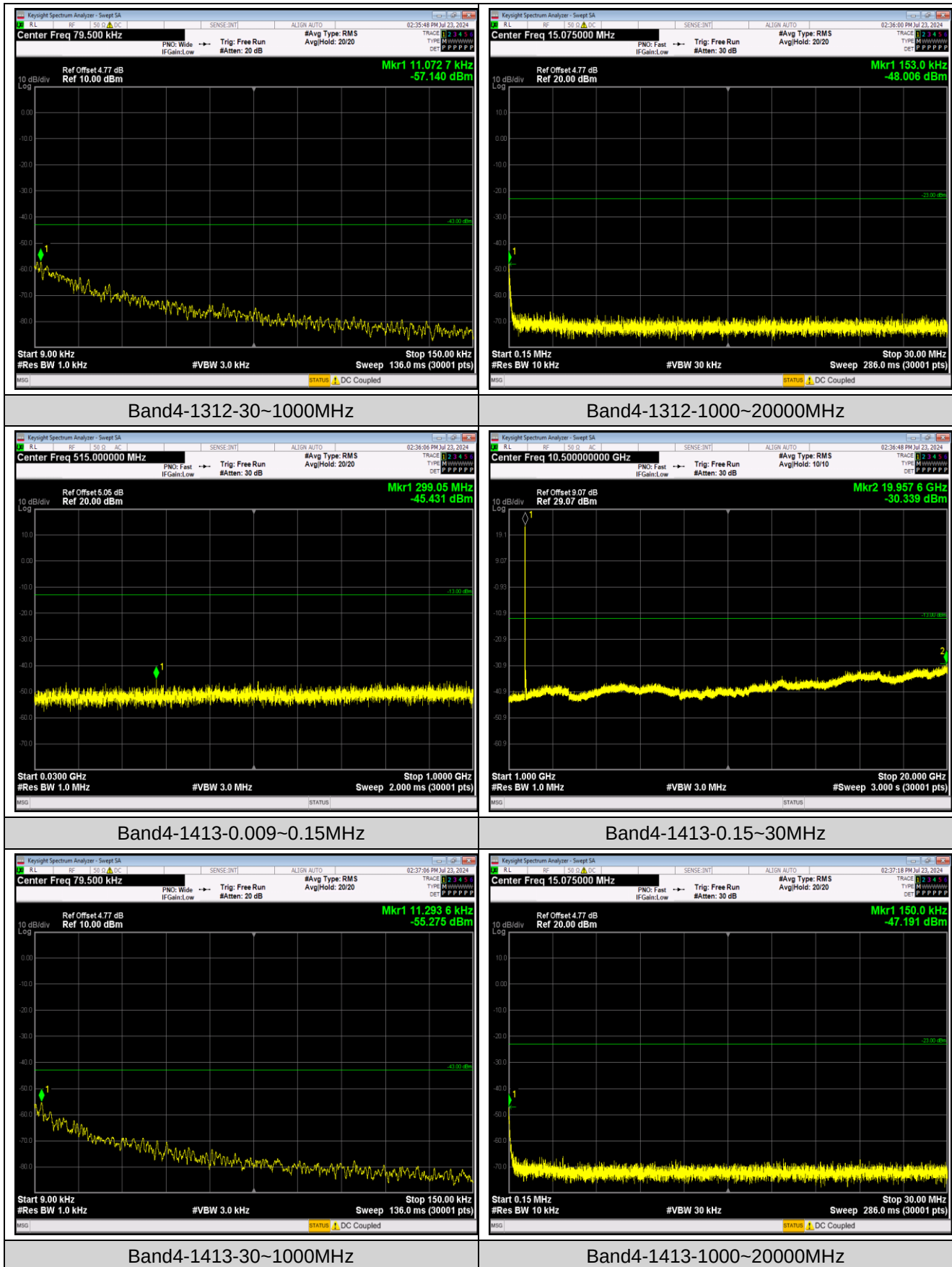
JianYan Testing Group Shenzhen Co., Ltd.

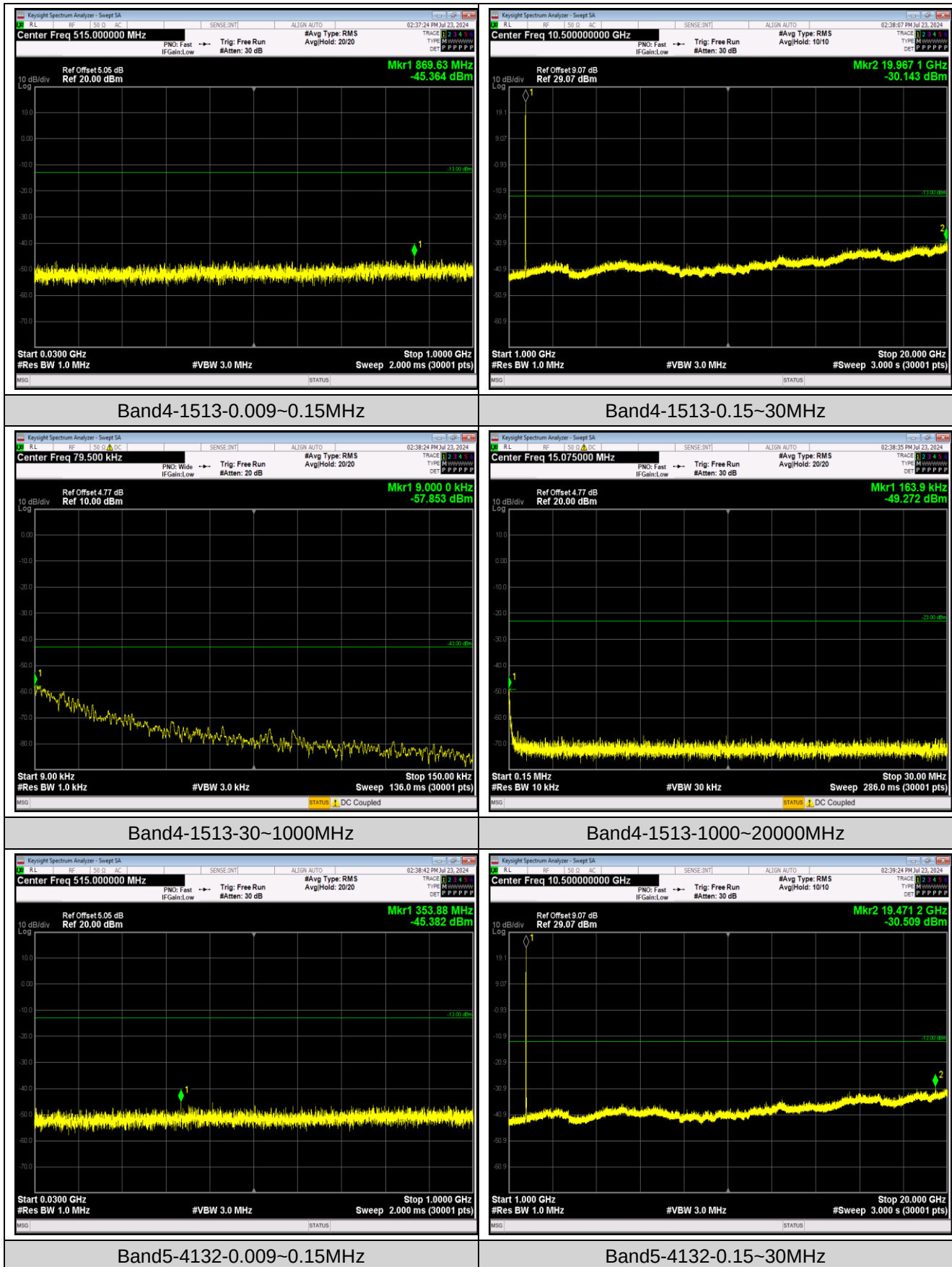
No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

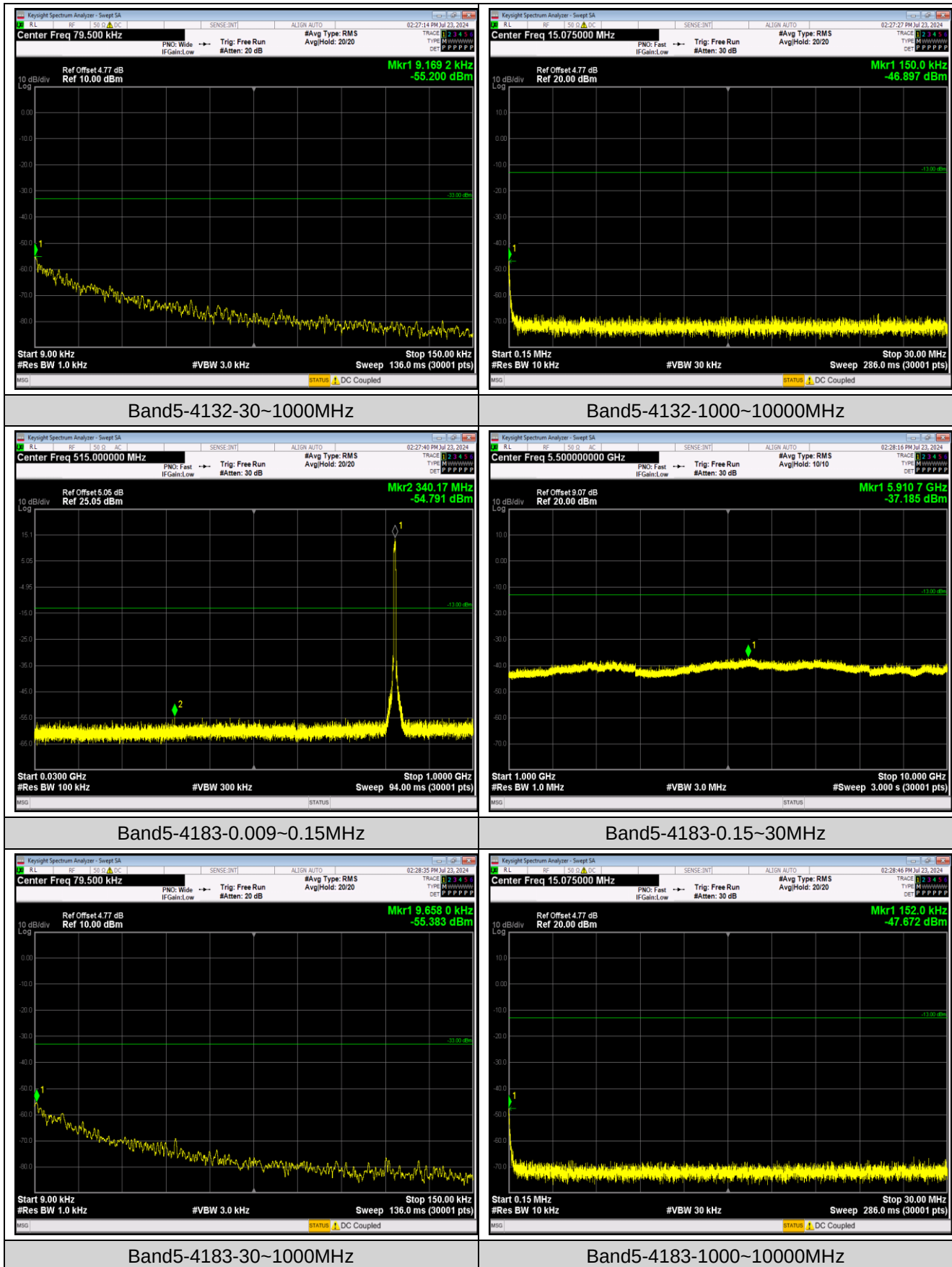
Tel: +86-755-23118282, Fax: +86-755-23116366

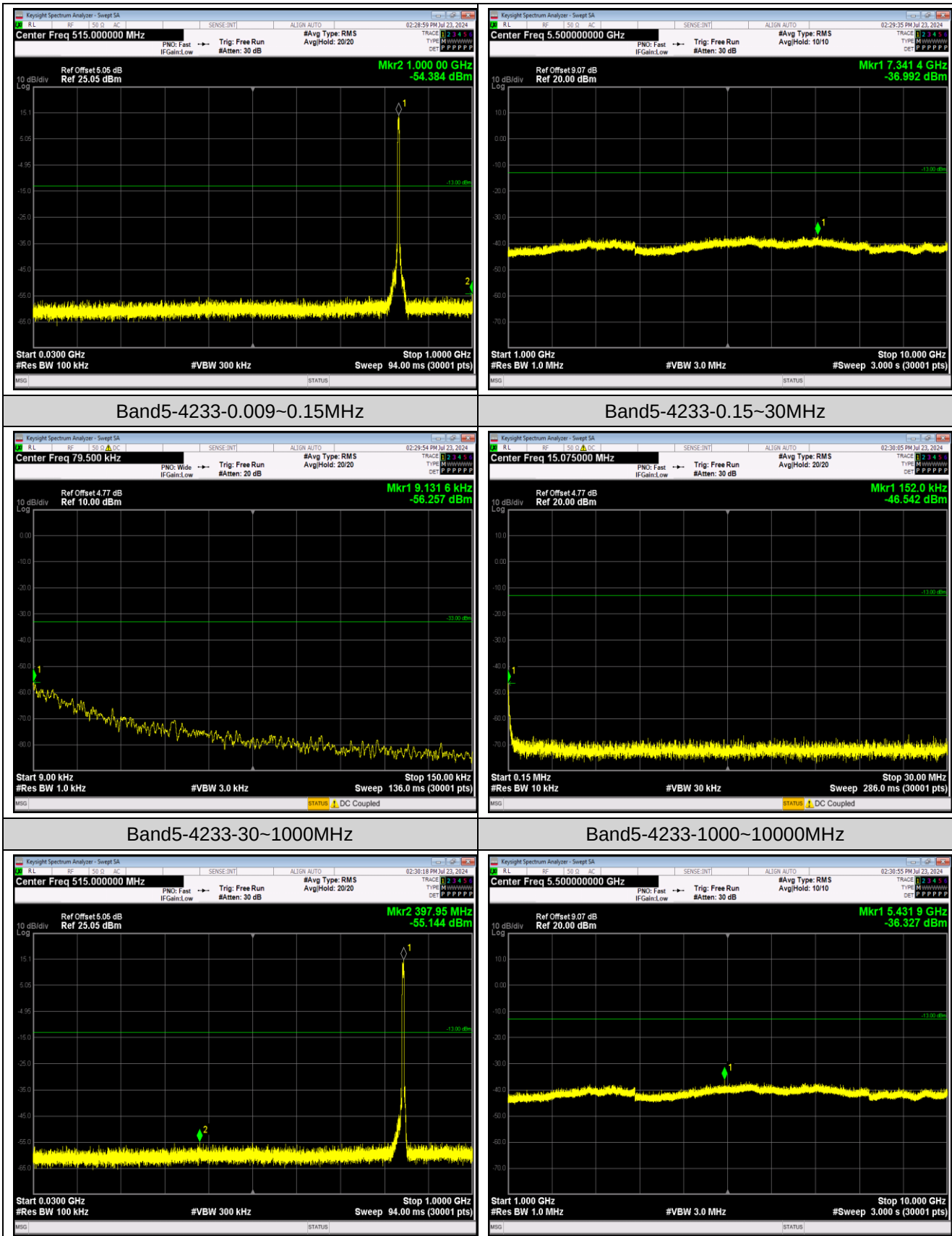
Project No.: JYTSZR2406068











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		
3.87	-30	-1.86	-0.002223	±2.5	Pass
	-20	-2.85	-0.003407		
	-10	-2.08	-0.002486		
	0	-2.75	-0.003287		
	10	-3.27	-0.003909		
	20	-1.19	-0.001422		
	30	-0.64	-0.000765		
	40	-3.10	-0.003705		
	50	-2.42	-0.002893		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-3.41	-0.004076	±2.5	Pass
	3.87	-2.92	-0.003490		
	4.45	-2.41	-0.002881		
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		
3.87	-30	-4.73	-0.002730	Within authorized band for BAND IV	Pass
	-20	-4.76	-0.002747		
	-10	-4.01	-0.002314		
	0	-3.15	-0.001818		
	10	-3.68	-0.002124		
	20	-4.53	-0.002615		
	30	-2.54	-0.001466		
	40	-3.10	-0.001789		
	50	-2.79	-0.001610		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-6.39	-0.003688	Within authorized band for BAND IV	Pass
	3.87	-2.00	-0.001154		
	4.45	-6.14	-0.003544		
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		
3.87	-30	-3.39	-0.001803	Within authorized band for BAND II	Pass
	-20	-3.89	-0.002069		
	-10	-1.92	-0.001021		
	0	-3.08	-0.001638		
	10	-3.27	-0.001739		
	20	-2.60	-0.001383		
	30	-2.56	-0.001362		
	40	-2.89	-0.001537		
	50	-3.32	-0.001766		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-5.09	-0.002707	Within authorized band for BAND II	Pass
	3.87	-6.46	-0.003436		
	4.45	-4.71	-0.002505		
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

