

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	23.84	33.01	PASS
Band2	TestMode	9262	23.23	23.83	33.01	PASS
Band2	TestMode	9400	23.54	24.14	33.01	PASS
Band2	Voice	9400	23.52	24.12	33.01	PASS
Band2	TestMode	9538	23.60	24.2	33.01	PASS
Band2	Voice	9538	23.46	24.06	33.01	PASS
Band4	Voice	1312	23.06	23.66	30.00	PASS
Band4	TestMode	1312	23.02	23.62	30.00	PASS
Band4	Voice	1413	23.22	23.82	30.00	PASS
Band4	TestMode	1413	23.22	23.82	30.00	PASS
Band4	TestMode	1513	23.09	23.69	30.00	PASS
Band4	Voice	1513	22.93	23.53	30.00	PASS
Band5	Voice	4132	23.11	20.66	38.45	PASS
Band5	TestMode	4132	23.26	20.81	38.45	PASS
Band5	TestMode	4183	23.35	20.9	38.45	PASS
Band5	Voice	4183	23.32	20.87	38.45	PASS
Band5	Voice	4233	23.35	20.9	38.45	PASS
Band5	TestMode	4233	23.33	20.88	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	22.26	22.86	33.01	PASS
Band2	9262	2	21.66	22.26	33.01	PASS
Band2	9262	3	21.67	22.27	33.01	PASS
Band2	9262	4	21.66	22.26	33.01	PASS
Band2	9400	1	22.54	23.14	33.01	PASS
Band2	9400	2	21.95	22.55	33.01	PASS
Band2	9400	3	21.96	22.56	33.01	PASS
Band2	9400	4	22.01	22.61	33.01	PASS
Band2	9538	1	22.56	23.16	33.01	PASS
Band2	9538	2	21.94	22.54	33.01	PASS
Band2	9538	3	21.97	22.57	33.01	PASS
Band2	9538	4	22.04	22.64	33.01	PASS

Band4	1312	1	22.05	22.65	30.00	PASS
Band4	1312	2	21.58	22.18	30.00	PASS
Band4	1312	3	21.58	22.18	30.00	PASS
Band4	1312	4	21.55	22.15	30.00	PASS
Band4	1413	1	22.21	22.81	30.00	PASS
Band4	1413	2	21.73	22.33	30.00	PASS
Band4	1413	3	21.73	22.33	30.00	PASS
Band4	1413	4	21.75	22.35	30.00	PASS
Band4	1513	1	22.16	22.76	30.00	PASS
Band4	1513	2	21.63	22.23	30.00	PASS
Band4	1513	3	21.64	22.24	30.00	PASS
Band4	1513	4	21.58	22.18	30.00	PASS
Band5	4132	1	22.23	19.78	38.5	PASS
Band5	4132	2	21.74	19.29	38.5	PASS
Band5	4132	3	21.78	19.33	38.5	PASS
Band5	4132	4	21.78	19.33	38.5	PASS
Band5	4183	1	22.34	19.89	38.5	PASS
Band5	4183	2	21.78	19.33	38.5	PASS
Band5	4183	3	21.79	19.34	38.5	PASS
Band5	4183	4	21.76	19.31	38.5	PASS
Band5	4233	1	22.34	19.89	38.5	PASS
Band5	4233	2	21.76	19.31	38.5	PASS
Band5	4233	3	21.76	19.31	38.5	PASS
Band5	4233	4	21.76	19.31	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	20.22	20.82	33.01	PASS
Band2	9262	2	20.75	21.35	33.01	PASS
Band2	9262	3	21.24	21.84	33.01	PASS
Band2	9262	4	20.28	20.88	33.01	PASS
Band2	9262	5	22.23	22.83	33.01	PASS
Band2	9400	1	20.51	21.11	33.01	PASS
Band2	9400	2	21.03	21.63	33.01	PASS
Band2	9400	3	21.57	22.17	33.01	PASS
Band2	9400	4	20.57	21.17	33.01	PASS
Band2	9400	5	22.52	23.12	33.01	PASS
Band2	9538	1	20.50	21.1	33.01	PASS
Band2	9538	2	21.04	21.64	33.01	PASS
Band2	9538	3	21.54	22.14	33.01	PASS

Band2	9538	4	20.56	21.16	33.01	PASS
Band2	9538	5	22.49	23.09	33.01	PASS
Band4	1312	1	20.08	20.68	30.00	PASS
Band4	1312	2	20.60	21.2	30.00	PASS
Band4	1312	3	21.08	21.68	30.00	PASS
Band4	1312	4	20.10	20.7	30.00	PASS
Band4	1312	5	22.04	22.64	30.00	PASS
Band4	1413	1	20.21	20.81	30.00	PASS
Band4	1413	2	20.73	21.33	30.00	PASS
Band4	1413	3	21.25	21.85	30.00	PASS
Band4	1413	4	20.24	20.84	30.00	PASS
Band4	1413	5	22.21	22.81	30.00	PASS
Band4	1513	1	20.12	20.72	30.00	PASS
Band4	1513	2	20.60	21.2	30.00	PASS
Band4	1513	3	21.16	21.76	30.00	PASS
Band4	1513	4	20.11	20.71	30.00	PASS
Band4	1513	5	22.09	22.69	30.00	PASS
Band5	4132	1	20.25	17.8	38.5	PASS
Band5	4132	2	20.76	18.31	38.5	PASS
Band5	4132	3	21.28	18.83	38.5	PASS
Band5	4132	4	20.30	17.85	38.5	PASS
Band5	4132	5	22.22	19.77	38.5	PASS
Band5	4183	1	20.38	17.93	38.5	PASS
Band5	4183	2	20.85	18.4	38.5	PASS
Band5	4183	3	21.39	18.94	38.5	PASS
Band5	4183	4	20.36	17.91	38.5	PASS
Band5	4183	5	22.32	19.87	38.5	PASS
Band5	4233	1	20.35	17.9	38.5	PASS
Band5	4233	2	20.88	18.43	38.5	PASS
Band5	4233	3	21.35	18.9	38.5	PASS
Band5	4233	4	20.36	17.91	38.5	PASS
Band5	4233	5	22.29	19.84	38.5	PASS

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

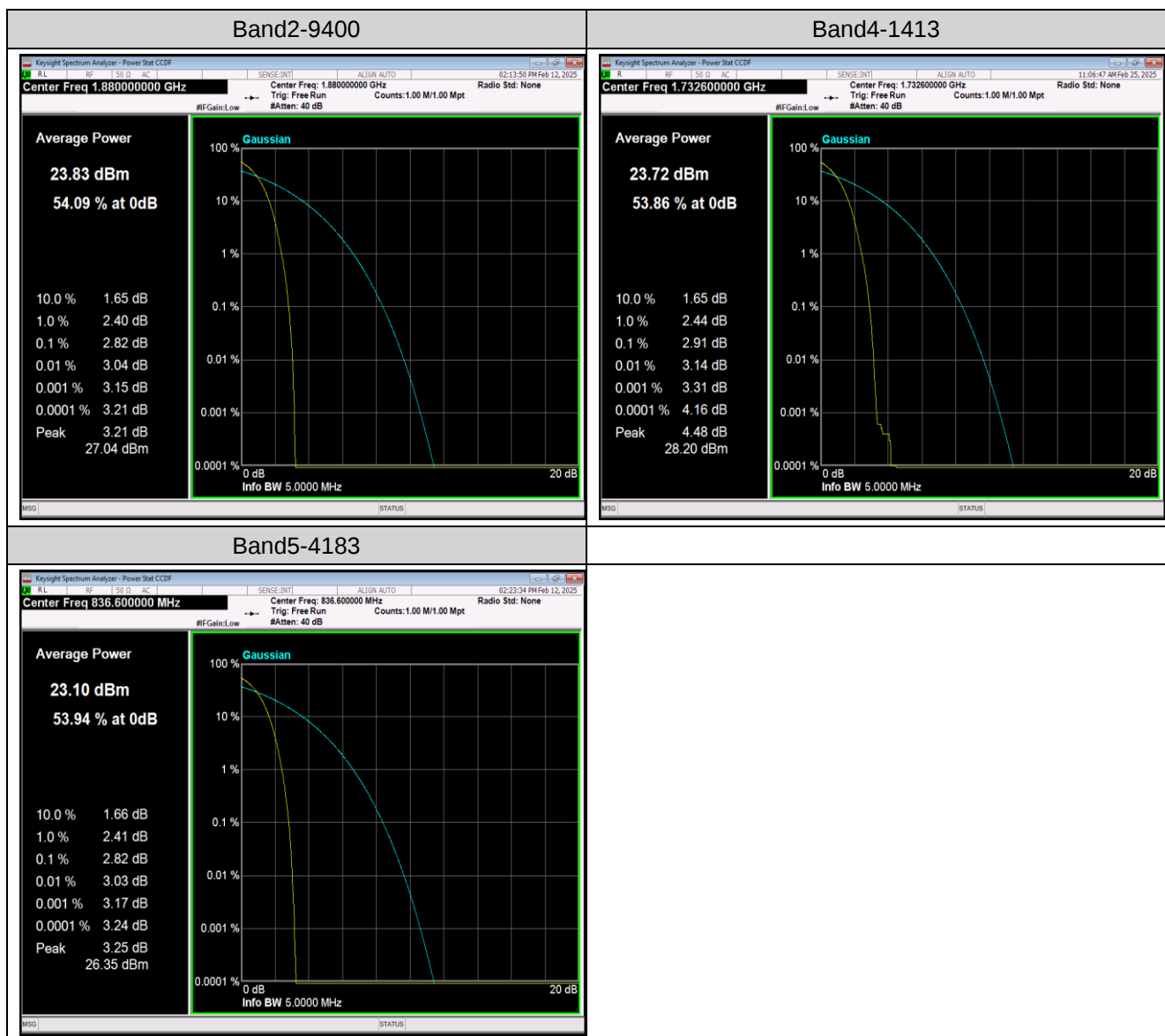
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.82	13	PASS
Band4	1413	2.91	13	PASS
Band5	4183	2.82	13	PASS

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

Test Graphs(WCDMA)

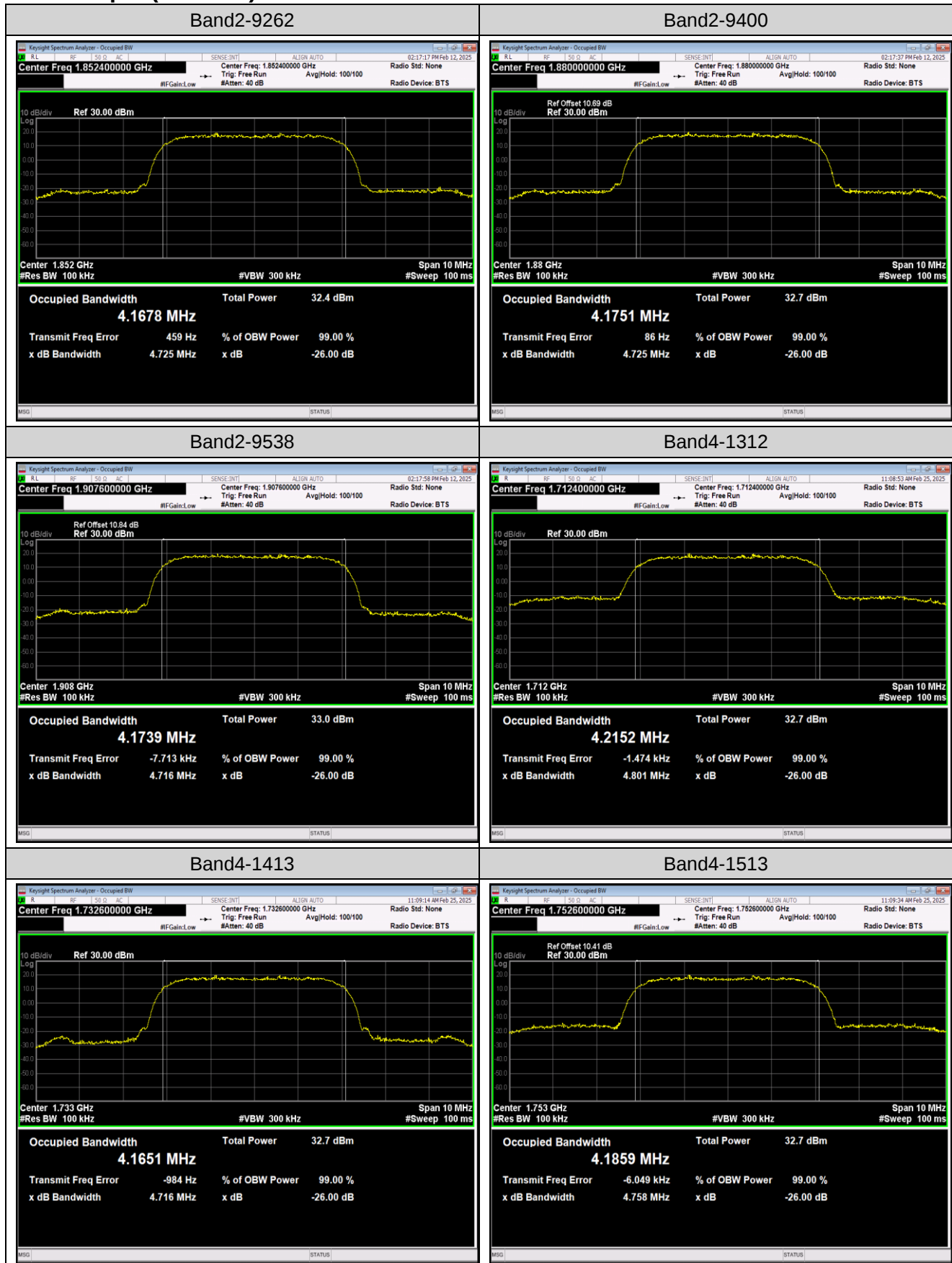


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1678	4.725	---	PASS
Band2	9400	4.1751	4.725	---	PASS
Band2	9538	4.1739	4.716	---	PASS
Band4	1312	4.2152	4.801	---	PASS
Band4	1413	4.1651	4.716	---	PASS
Band4	1513	4.1859	4.758	---	PASS
Band5	4132	4.1783	4.765	---	PASS
Band5	4183	4.1640	4.705	---	PASS
Band5	4233	4.1661	4.700	---	PASS

Test Graphs(WCDMA)



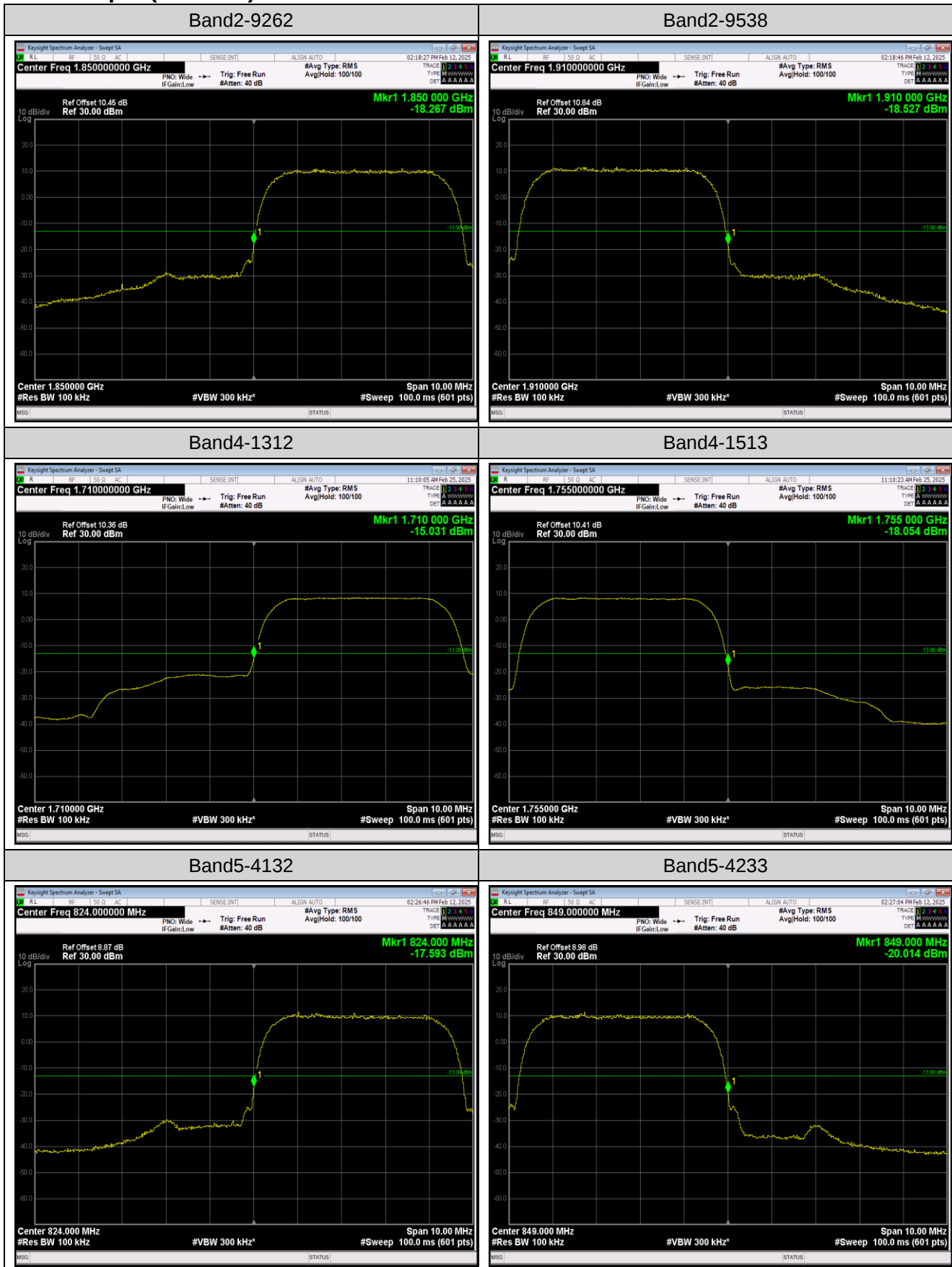


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-18.27	-13	PASS
Band2	9538	1910.00	-18.53	-13	PASS
Band4	1312	1710.00	-15.03	-13	PASS
Band4	1513	1755.00	-18.05	-13	PASS
Band5	4132	824.00	-17.59	-13	PASS
Band5	4233	849.00	-20.01	-13	PASS

Test Graphs(WCDMA)

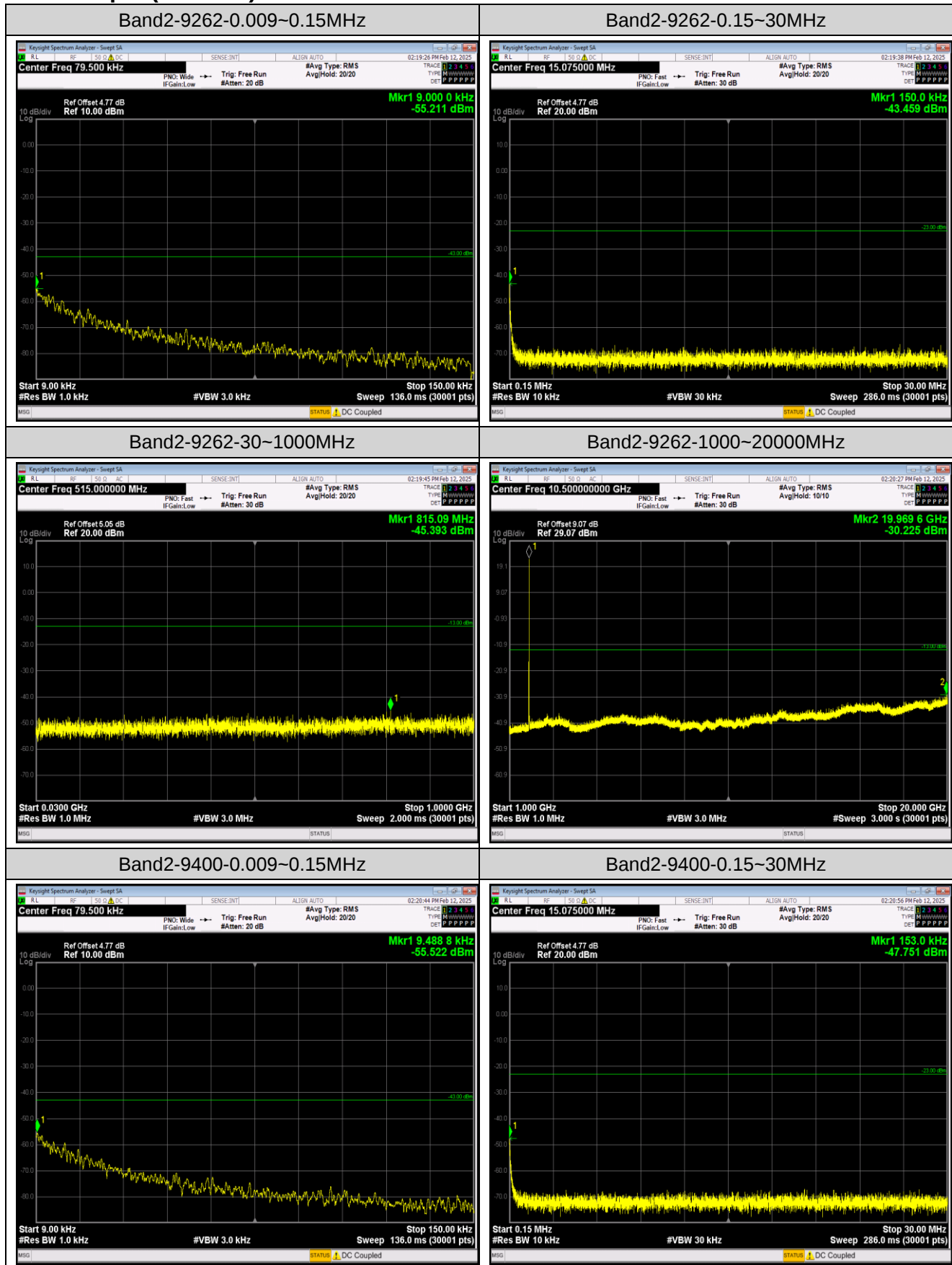


AppendixE:Conducted SpuriousEmission

Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-55.21	-43	PASS
Band2	9262	0.15~30MHz	0.15	-43.46	-23	PASS
Band2	9262	30~1000MHz	815.09	-45.39	-13	PASS
Band2	9262	1000~20000MHz	19969.6	-30.23	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-55.52	-43	PASS
Band2	9400	0.15~30MHz	0.15	-47.75	-23	PASS
Band2	9400	30~1000MHz	414.9	-45.02	-13	PASS
Band2	9400	1000~20000MHz	19922.73	-29.98	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-56.85	-43	PASS
Band2	9538	0.15~30MHz	0.16	-47.75	-23	PASS
Band2	9538	30~1000MHz	844.83	-45.31	-13	PASS
Band2	9538	1000~20000MHz	19801.13	-30.41	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-55.59	-43	PASS
Band4	1312	0.15~30MHz	0.17	-46.93	-23	PASS
Band4	1312	30~1000MHz	955.51	-45.78	-13	PASS
Band4	1312	1000~20000MHz	19967.07	-31.34	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-56.59	-43	PASS
Band4	1413	0.15~30MHz	0.15	-46.33	-23	PASS
Band4	1413	30~1000MHz	786.05	-46.08	-13	PASS
Band4	1413	1000~20000MHz	19835.97	-31.71	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-56.22	-43	PASS
Band4	1513	0.15~30MHz	0.16	-47.15	-23	PASS
Band4	1513	30~1000MHz	862.1	-45.73	-13	PASS
Band4	1513	1000~20000MHz	19989.87	-30.97	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-56.34	-33	PASS
Band5	4132	0.15~30MHz	0.15	-46.4	-13	PASS
Band5	4132	30~1000MHz	588.24	-54.34	-13	PASS
Band5	4132	1000~10000MHz	5980.9	-36.87	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-56.11	-33	PASS
Band5	4183	0.15~30MHz	0.15	-45.47	-13	PASS
Band5	4183	30~1000MHz	262.12	-53.97	-13	PASS
Band5	4183	1000~10000MHz	7070.2	-36.5	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-54.52	-33	PASS
Band5	4233	0.15~30MHz	0.15	-47.91	-13	PASS
Band5	4233	30~1000MHz	726.56	-54.75	-13	PASS
Band5	4233	1000~10000MHz	7317.4	-36.57	-13	PASS

Test Graphs(WCDMA)

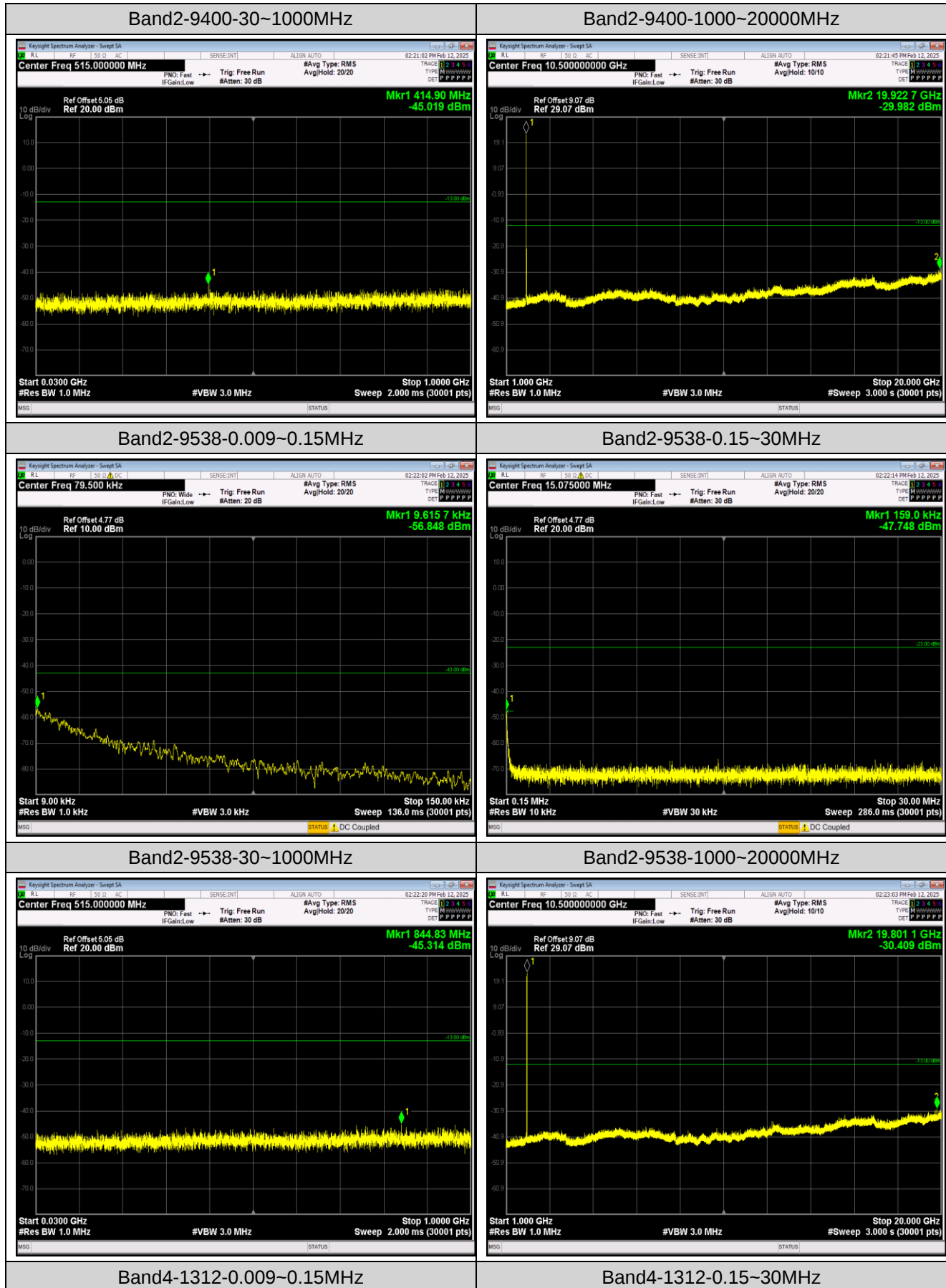


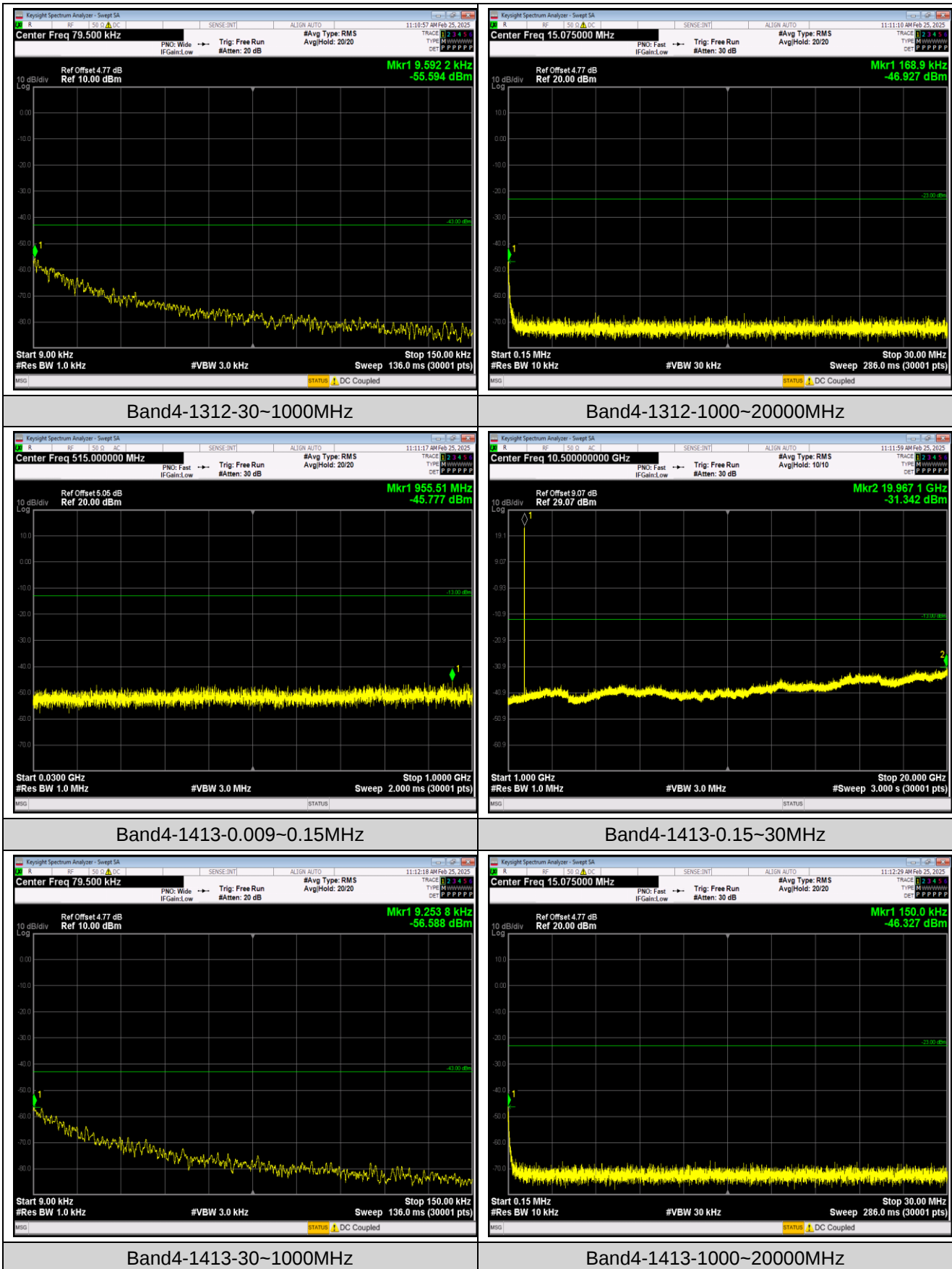
JianYan Testing Group Shenzhen Co., Ltd.

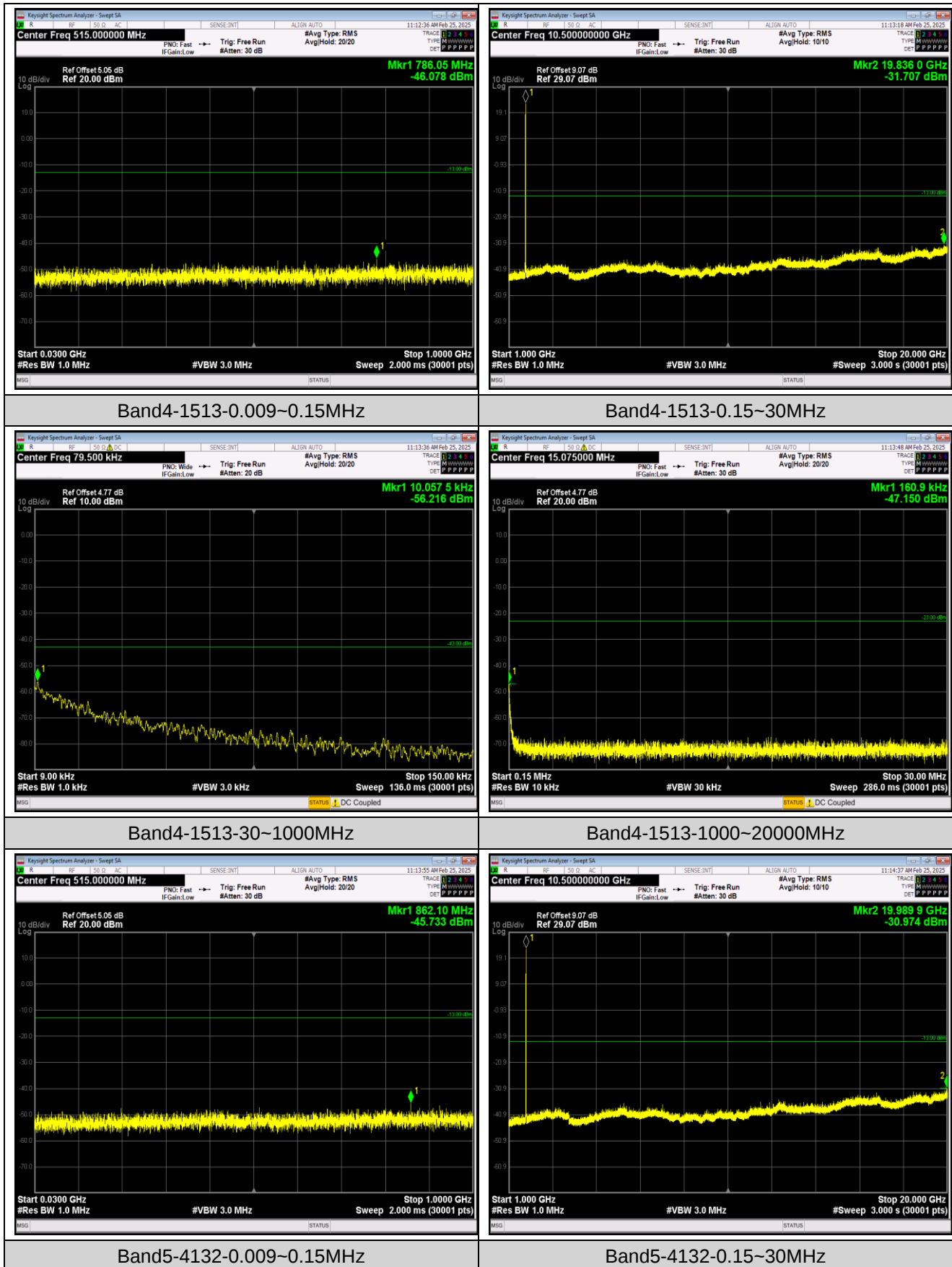
No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

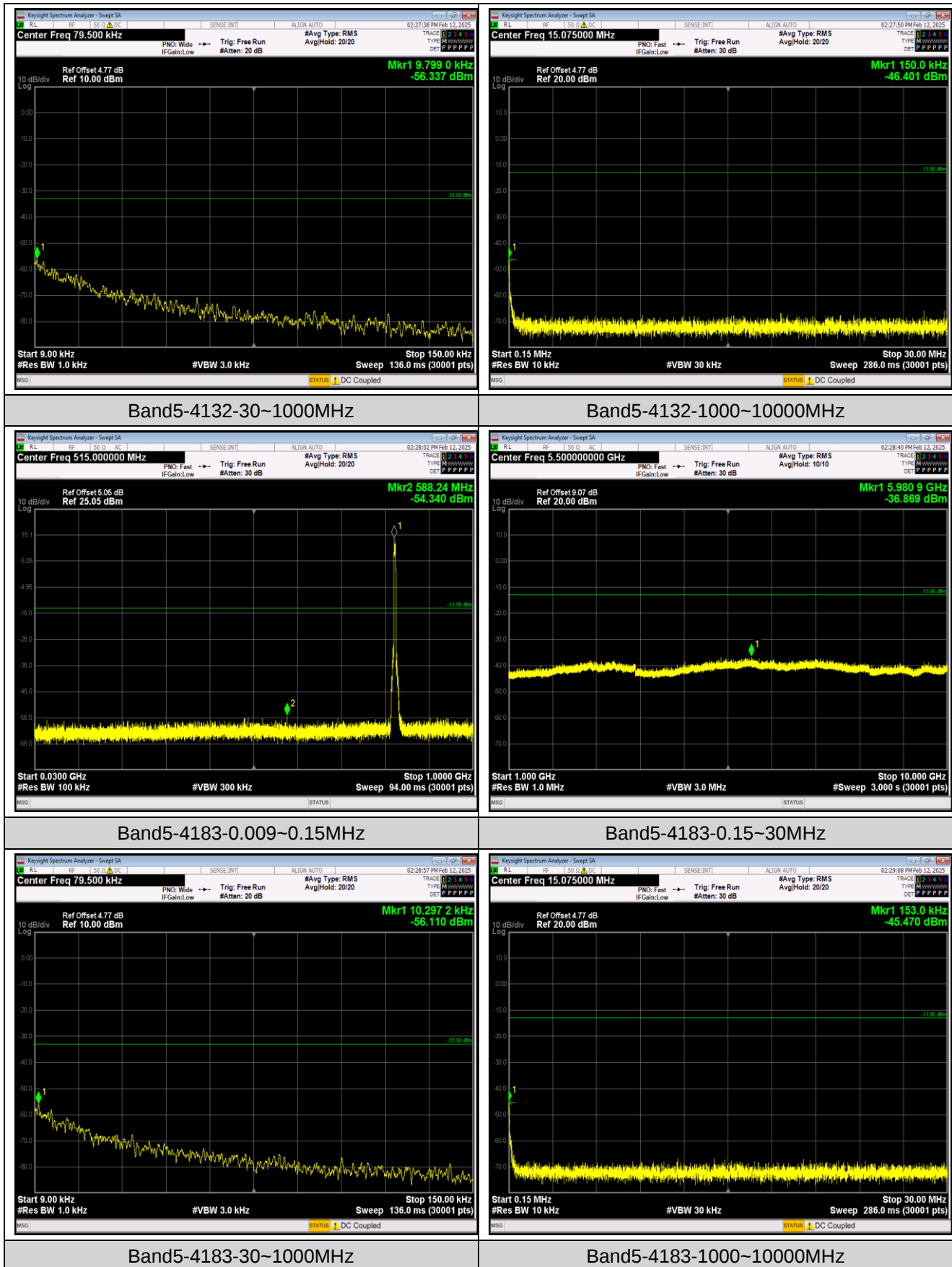
Tel: +86-755-23118282, Fax: +86-755-23116366

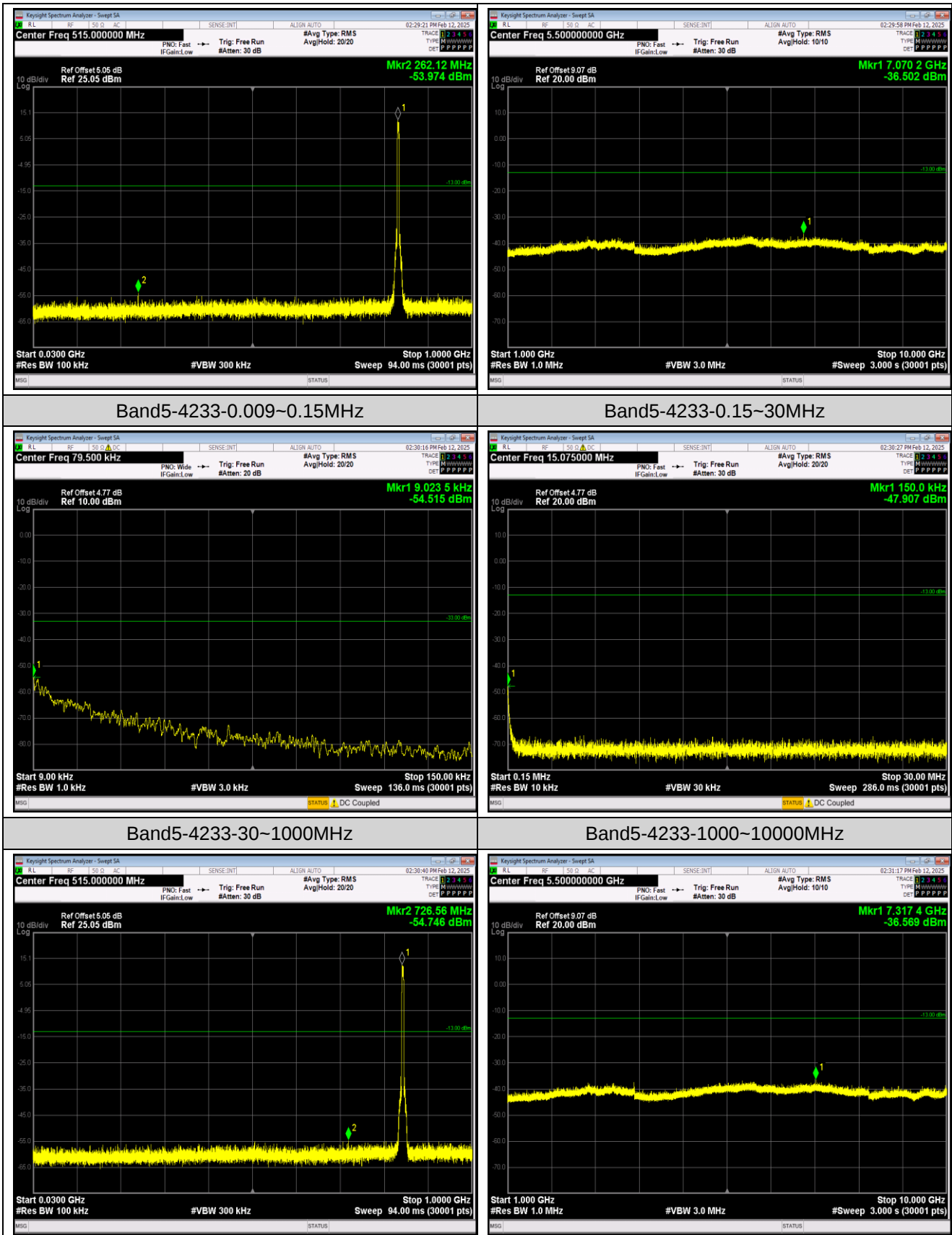
Project No.: JYTSZR2501072











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		
3.80	-30	-11.16	-0.013340	±2.5	Pass
	-20	-11.84	-0.014153		
	-10	-7.15	-0.008546		
	0	-11.71	-0.013997		
	10	-7.12	-0.008511		
	20	-9.58	-0.011451		
	30	-13.81	-0.016507		
	40	-6.77	-0.008092		
	50	-12.37	-0.014786		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-13.32	-0.015922	±2.5	Pass
	3.80	-10.50	-0.012551		
	4.35	-7.60	-0.009084		
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		
3.80	-30	-12.76	-0.007365	Within authorized band for BAND IV	Pass
	-20	-9.46	-0.005460		
	-10	-11.17	-0.006447		
	0	-8.79	-0.005073		
	10	-13.01	-0.007509		
	20	-13.23	-0.007636		
	30	-14.29	-0.008248		
	40	-14.32	-0.008265		
	50	-12.85	-0.007417		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-13.27	-0.007659	Within authorized band for BAND IV	Pass
	3.80	-12.80	-0.007388		
	4.35	-13.03	-0.007520		
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		
3.80	-30	-13.08	-0.006957	Within authorized band for BAND II	Pass
	-20	-13.30	-0.007074		
	-10	-12.73	-0.006771		
	0	-13.03	-0.006931		
	10	-12.37	-0.006580		
	20	-13.21	-0.007027		
	30	-12.65	-0.006729		
	40	-12.72	-0.006766		
	50	-13.35	-0.007101		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-13.49	-0.007176	Within authorized band for BAND II	Pass
	3.80	-13.38	-0.007117		
	4.35	-14.14	-0.007521		
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

