

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	22.17	19.48	33.01	PASS
Band2	TestMode	9262	22.15	19.46	33.01	PASS
Band2	TestMode	9400	22.24	19.55	33.01	PASS
Band2	Voice	9400	22.22	19.53	33.01	PASS
Band2	TestMode	9538	22.24	19.55	33.01	PASS
Band2	Voice	9538	22.23	19.54	33.01	PASS
Band4	Voice	1312	22.24	18.68	30.00	PASS
Band4	TestMode	1312	22.31	18.75	30.00	PASS
Band4	Voice	1413	22.38	18.82	30.00	PASS
Band4	TestMode	1413	22.42	18.86	30.00	PASS
Band4	TestMode	1513	22.41	18.85	30.00	PASS
Band4	Voice	1513	22.36	18.8	30.00	PASS
Band5	Voice	4132	22.55	16.02	38.45	PASS
Band5	TestMode	4132	22.55	16.02	38.45	PASS
Band5	TestMode	4183	22.69	16.16	38.45	PASS
Band5	Voice	4183	22.67	16.14	38.45	PASS
Band5	Voice	4233	22.53	16	38.45	PASS
Band5	TestMode	4233	22.52	15.99	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	21.79	19.1	33.01	PASS
Band2	9262	2	21.53	18.84	33.01	PASS
Band2	9262	3	21.29	18.6	33.01	PASS
Band2	9262	4	21.34	18.65	33.01	PASS
Band2	9400	1	21.83	19.14	33.01	PASS
Band2	9400	2	21.49	18.8	33.01	PASS
Band2	9400	3	21.31	18.62	33.01	PASS
Band2	9400	4	21.31	18.62	33.01	PASS
Band2	9538	1	21.68	18.99	33.01	PASS
Band2	9538	2	21.33	18.64	33.01	PASS
Band2	9538	3	21.17	18.48	33.01	PASS
Band2	9538	4	21.27	18.58	33.01	PASS

Band4	1312	1	20.21	16.65	30.00	PASS
Band4	1312	2	20.87	17.31	30.00	PASS
Band4	1312	3	20.93	17.37	30.00	PASS
Band4	1312	4	20.97	17.41	30.00	PASS
Band4	1413	1	20.65	17.09	30.00	PASS
Band4	1413	2	21.17	17.61	30.00	PASS
Band4	1413	3	21.18	17.62	30.00	PASS
Band4	1413	4	21.19	17.63	30.00	PASS
Band4	1513	1	20.33	16.77	30.00	PASS
Band4	1513	2	20.94	17.38	30.00	PASS
Band4	1513	3	20.95	17.39	30.00	PASS
Band4	1513	4	20.96	17.4	30.00	PASS
Band5	4132	1	21.88	15.35	38.5	PASS
Band5	4132	2	21.56	15.03	38.5	PASS
Band5	4132	3	21.12	14.59	38.5	PASS
Band5	4132	4	21.13	14.6	38.5	PASS
Band5	4183	1	21.78	15.25	38.5	PASS
Band5	4183	2	21.67	15.14	38.5	PASS
Band5	4183	3	21.23	14.7	38.5	PASS
Band5	4183	4	21.22	14.69	38.5	PASS
Band5	4233	1	21.67	15.14	38.5	PASS
Band5	4233	2	21.42	14.89	38.5	PASS
Band5	4233	3	21.00	14.47	38.5	PASS
Band5	4233	4	20.98	14.45	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	19.49	16.8	33.01	PASS
Band2	9262	2	20.13	17.44	33.01	PASS
Band2	9262	3	19.98	17.29	33.01	PASS
Band2	9262	4	20.24	17.55	33.01	PASS
Band2	9262	5	21.92	19.23	33.01	PASS
Band2	9400	1	19.77	17.08	33.01	PASS
Band2	9400	2	20.26	17.57	33.01	PASS
Band2	9400	3	19.74	17.05	33.01	PASS
Band2	9400	4	20.38	17.69	33.01	PASS
Band2	9400	5	21.89	19.2	33.01	PASS
Band2	9538	1	19.83	17.14	33.01	PASS
Band2	9538	2	20.20	17.51	33.01	PASS
Band2	9538	3	19.86	17.17	33.01	PASS

Band2	9538	4	20.29	17.6	33.01	PASS
Band2	9538	5	21.75	19.06	33.01	PASS
Band4	1312	1	19.31	15.75	30.00	PASS
Band4	1312	2	19.13	15.57	30.00	PASS
Band4	1312	3	19.25	15.69	30.00	PASS
Band4	1312	4	19.19	15.63	30.00	PASS
Band4	1312	5	20.94	17.38	30.00	PASS
Band4	1413	1	19.73	16.17	30.00	PASS
Band4	1413	2	19.34	15.78	30.00	PASS
Band4	1413	3	19.62	16.06	30.00	PASS
Band4	1413	4	19.46	15.9	30.00	PASS
Band4	1413	5	21.25	17.69	30.00	PASS
Band4	1513	1	19.45	15.89	30.00	PASS
Band4	1513	2	19.14	15.58	30.00	PASS
Band4	1513	3	19.37	15.81	30.00	PASS
Band4	1513	4	19.24	15.68	30.00	PASS
Band4	1513	5	20.97	17.41	30.00	PASS
Band5	4132	1	20.51	13.98	38.5	PASS
Band5	4132	2	20.63	14.1	38.5	PASS
Band5	4132	3	20.40	13.87	38.5	PASS
Band5	4132	4	20.18	13.65	38.5	PASS
Band5	4132	5	21.67	15.14	38.5	PASS
Band5	4183	1	20.66	14.13	38.5	PASS
Band5	4183	2	20.77	14.24	38.5	PASS
Band5	4183	3	20.56	14.03	38.5	PASS
Band5	4183	4	20.34	13.81	38.5	PASS
Band5	4183	5	21.78	15.25	38.5	PASS
Band5	4233	1	20.47	13.94	38.5	PASS
Band5	4233	2	20.58	14.05	38.5	PASS
Band5	4233	3	20.35	13.82	38.5	PASS
Band5	4233	4	20.16	13.63	38.5	PASS
Band5	4233	5	21.52	14.99	38.5	PASS

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

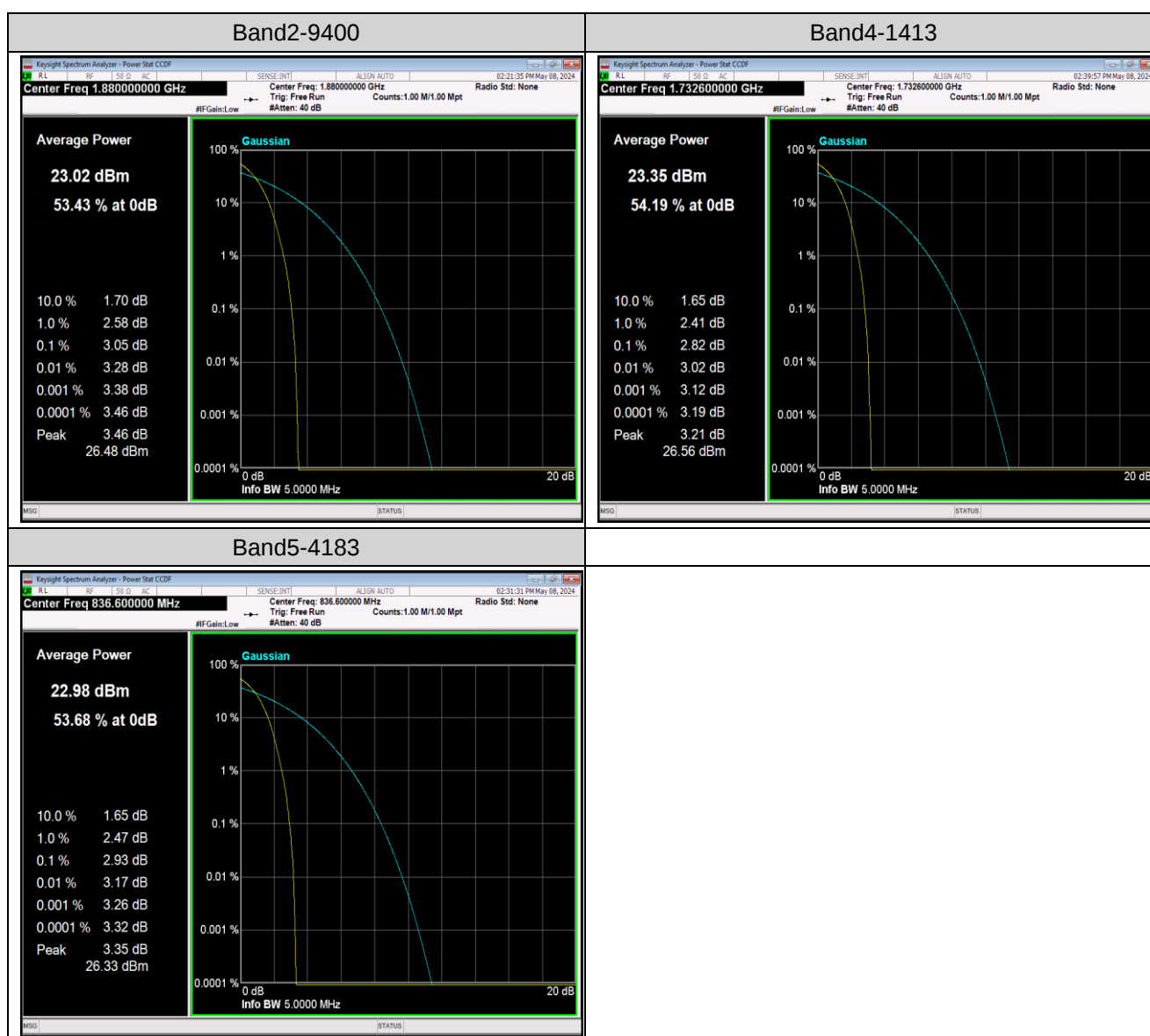
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.05	13	PASS
Band4	1413	2.82	13	PASS
Band5	4183	2.93	13	PASS

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

Test Graphs(WCDMA)

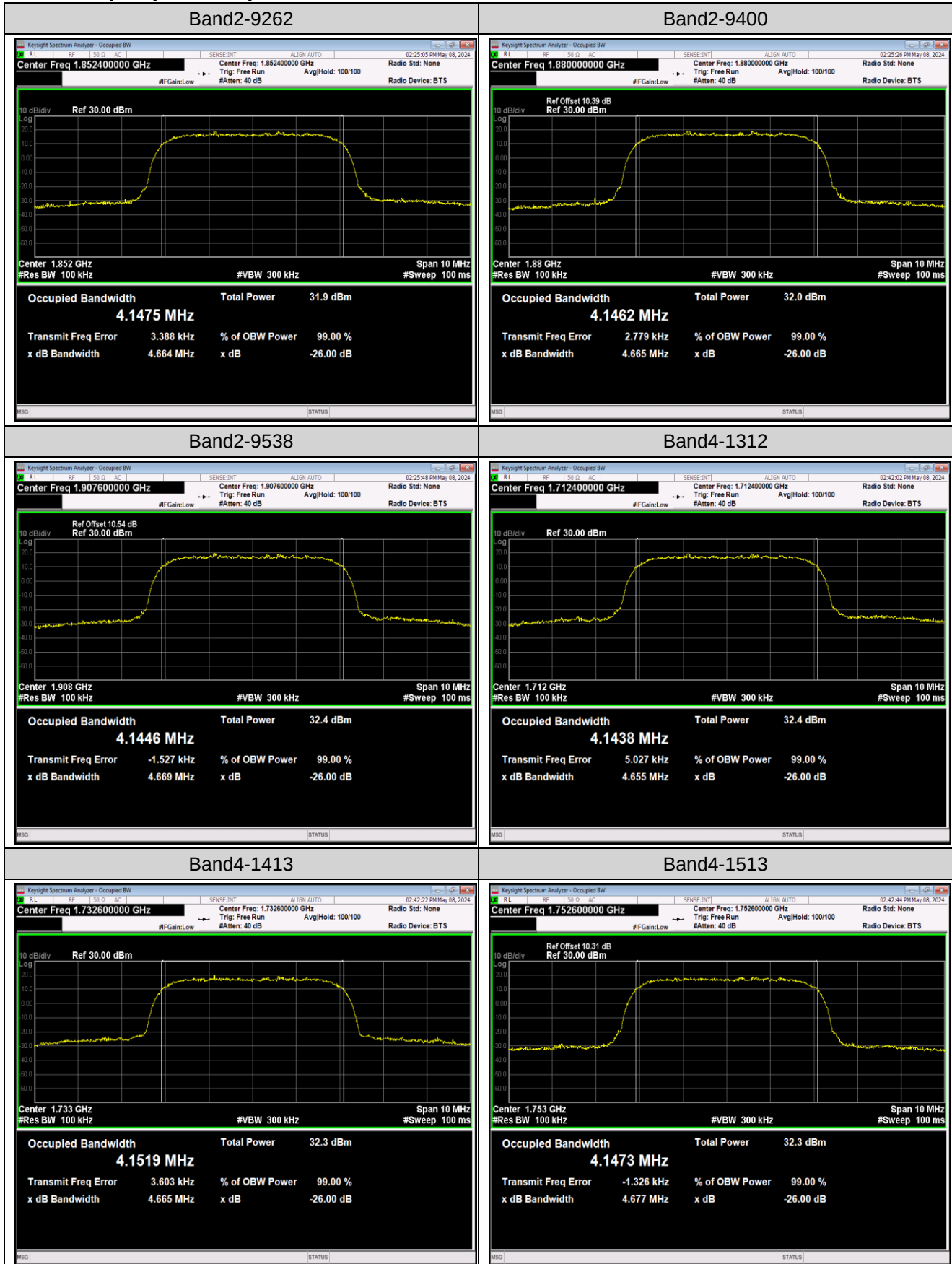


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1475	4.664	---	PASS
Band2	9400	4.1462	4.665	---	PASS
Band2	9538	4.1446	4.669	---	PASS
Band4	1312	4.1438	4.655	---	PASS
Band4	1413	4.1519	4.665	---	PASS
Band4	1513	4.1473	4.677	---	PASS
Band5	4132	4.1516	4.678	---	PASS
Band5	4183	4.1499	4.670	---	PASS
Band5	4233	4.1483	4.678	---	PASS

Test Graphs(WCDMA)



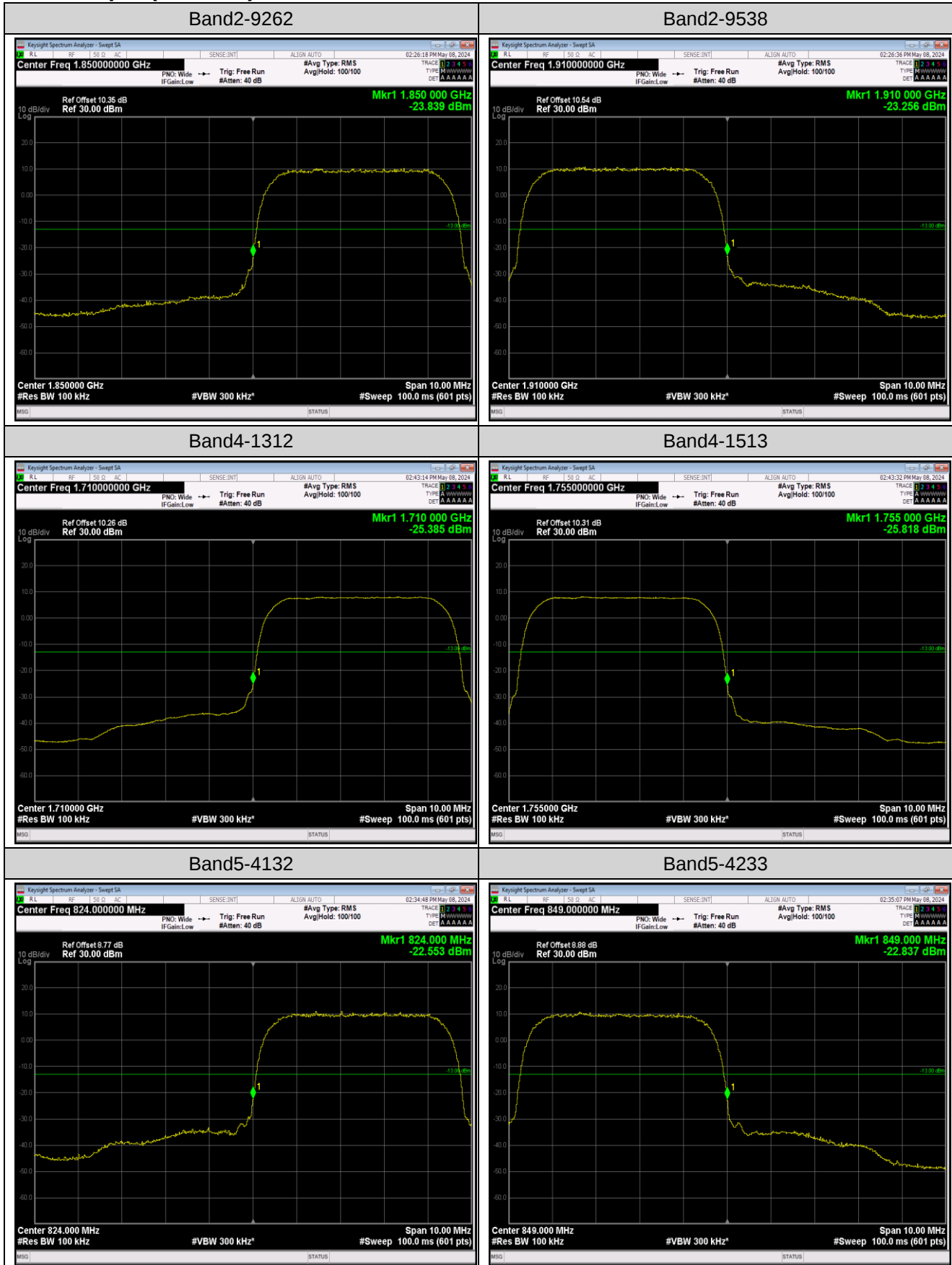


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-23.84	-13	PASS
Band2	9538	1910.00	-23.26	-13	PASS
Band4	1312	1710.00	-25.39	-13	PASS
Band4	1513	1755.00	-25.82	-13	PASS
Band5	4132	824.00	-22.55	-13	PASS
Band5	4233	849.00	-22.84	-13	PASS

Test Graphs(WCDMA)

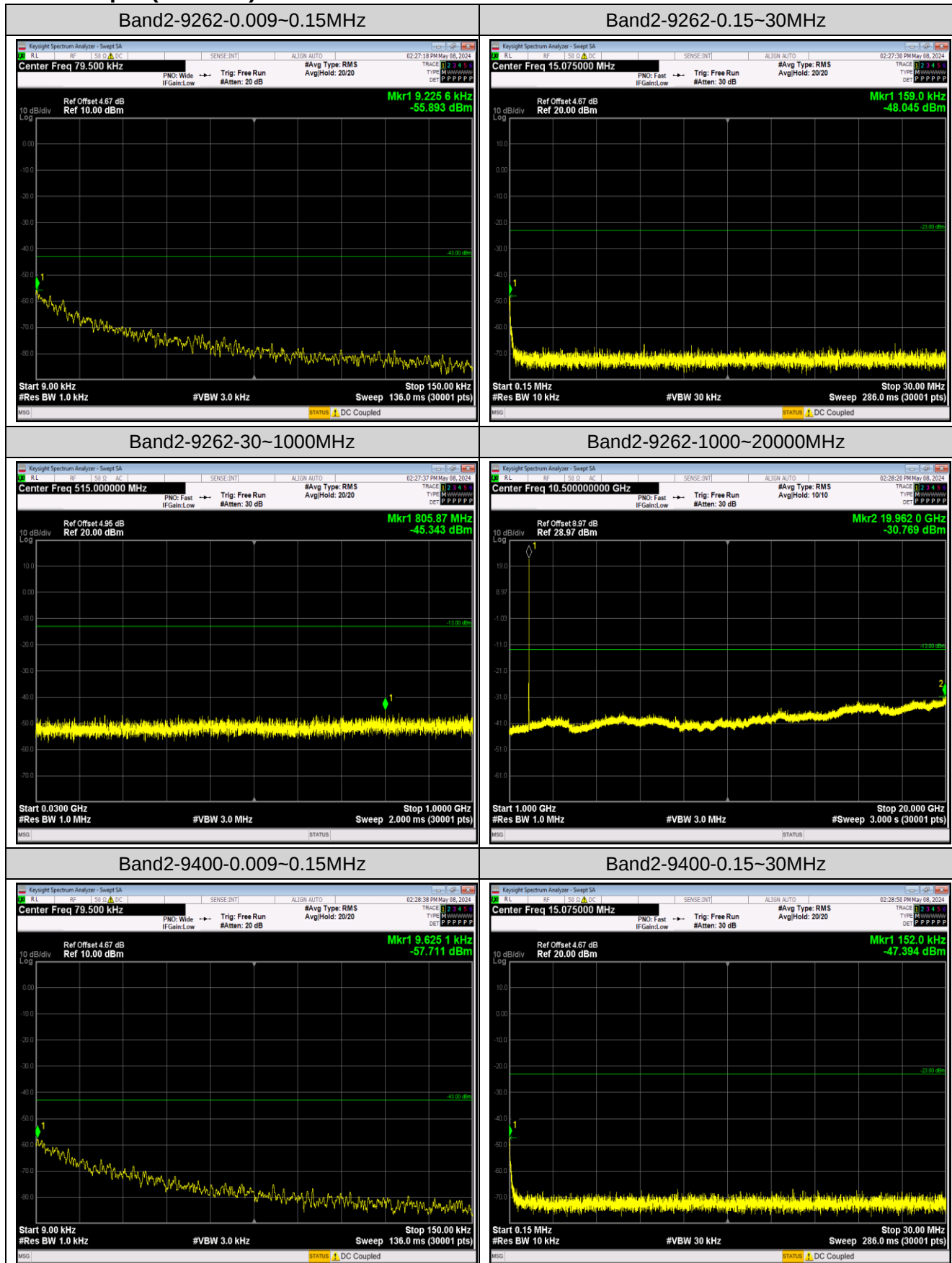


AppendixE:Conducted SpuriousEmission

Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-55.89	-43	PASS
Band2	9262	0.15~30MHz	0.16	-48.05	-23	PASS
Band2	9262	30~1000MHz	805.87	-45.34	-13	PASS
Band2	9262	1000~20000MHz	19962	-30.77	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-57.71	-43	PASS
Band2	9400	0.15~30MHz	0.15	-47.39	-23	PASS
Band2	9400	30~1000MHz	781.01	-45.41	-13	PASS
Band2	9400	1000~20000MHz	19880.3	-30.8	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-55.17	-43	PASS
Band2	9538	0.15~30MHz	0.15	-46.33	-23	PASS
Band2	9538	30~1000MHz	427.86	-45.65	-13	PASS
Band2	9538	1000~20000MHz	19500.93	-30.54	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-56.92	-43	PASS
Band4	1312	0.15~30MHz	0.16	-47.47	-23	PASS
Band4	1312	30~1000MHz	981.7	-45.02	-13	PASS
Band4	1312	1000~20000MHz	19930.97	-30.39	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-56.41	-43	PASS
Band4	1413	0.15~30MHz	0.16	-48.36	-23	PASS
Band4	1413	30~1000MHz	820.52	-44.47	-13	PASS
Band4	1413	1000~20000MHz	19913.87	-30.76	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-55.97	-43	PASS
Band4	1513	0.15~30MHz	0.16	-46.6	-23	PASS
Band4	1513	30~1000MHz	844.77	-46	-13	PASS
Band4	1513	1000~20000MHz	19757.43	-30.49	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-54.15	-33	PASS
Band5	4132	0.15~30MHz	0.15	-47.43	-13	PASS
Band5	4132	30~1000MHz	952.92	-54.26	-13	PASS
Band5	4132	1000~10000MHz	5928.1	-36.76	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-55.67	-33	PASS
Band5	4183	0.15~30MHz	0.16	-46.76	-13	PASS
Band5	4183	30~1000MHz	952.44	-54.05	-13	PASS
Band5	4183	1000~10000MHz	5942.2	-36.97	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-56.67	-33	PASS
Band5	4233	0.15~30MHz	0.15	-46.07	-13	PASS
Band5	4233	30~1000MHz	961.2	-55.33	-13	PASS
Band5	4233	1000~10000MHz	5875.3	-36.92	-13	PASS

Test Graphs(WCDMA)

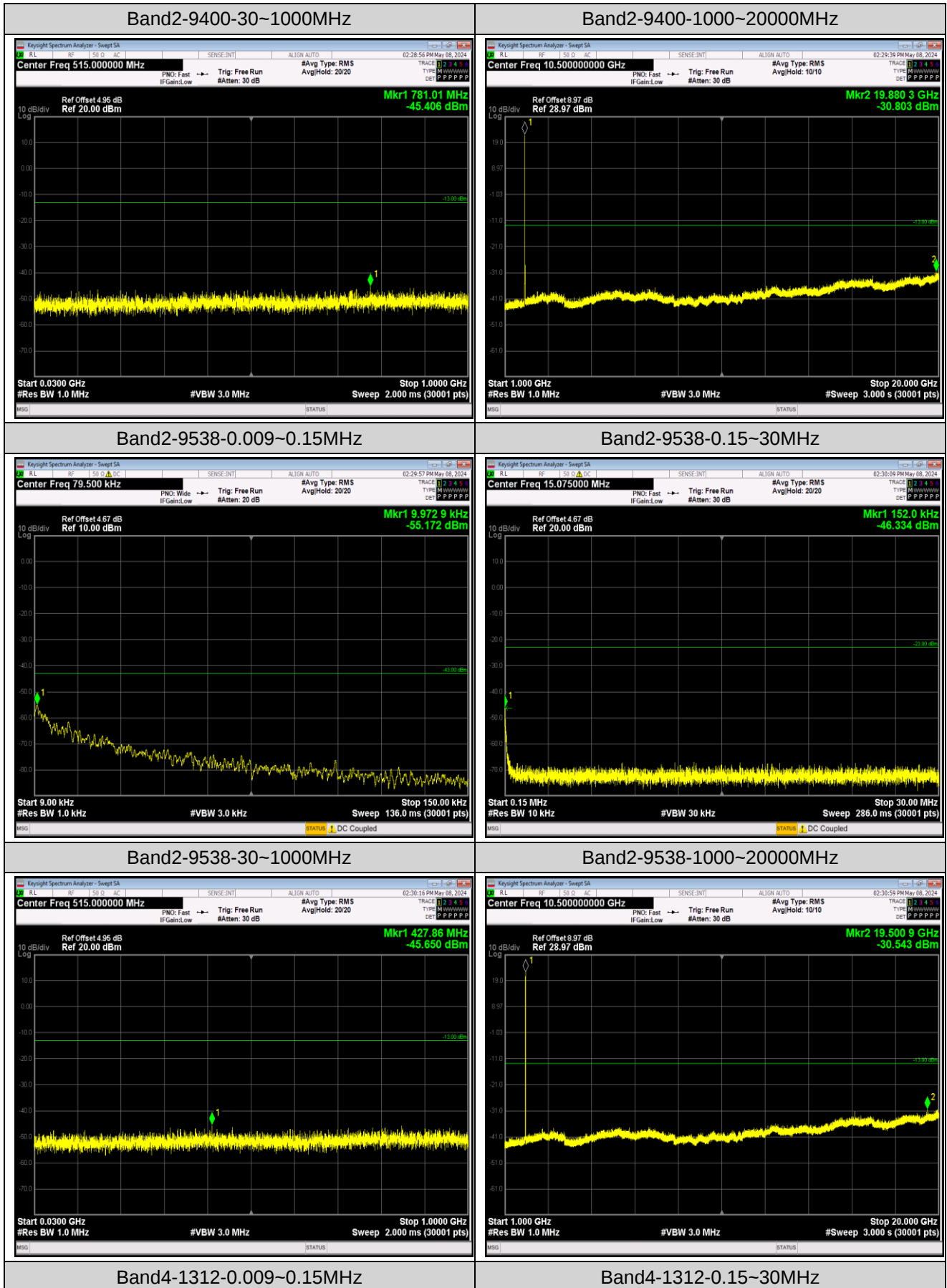


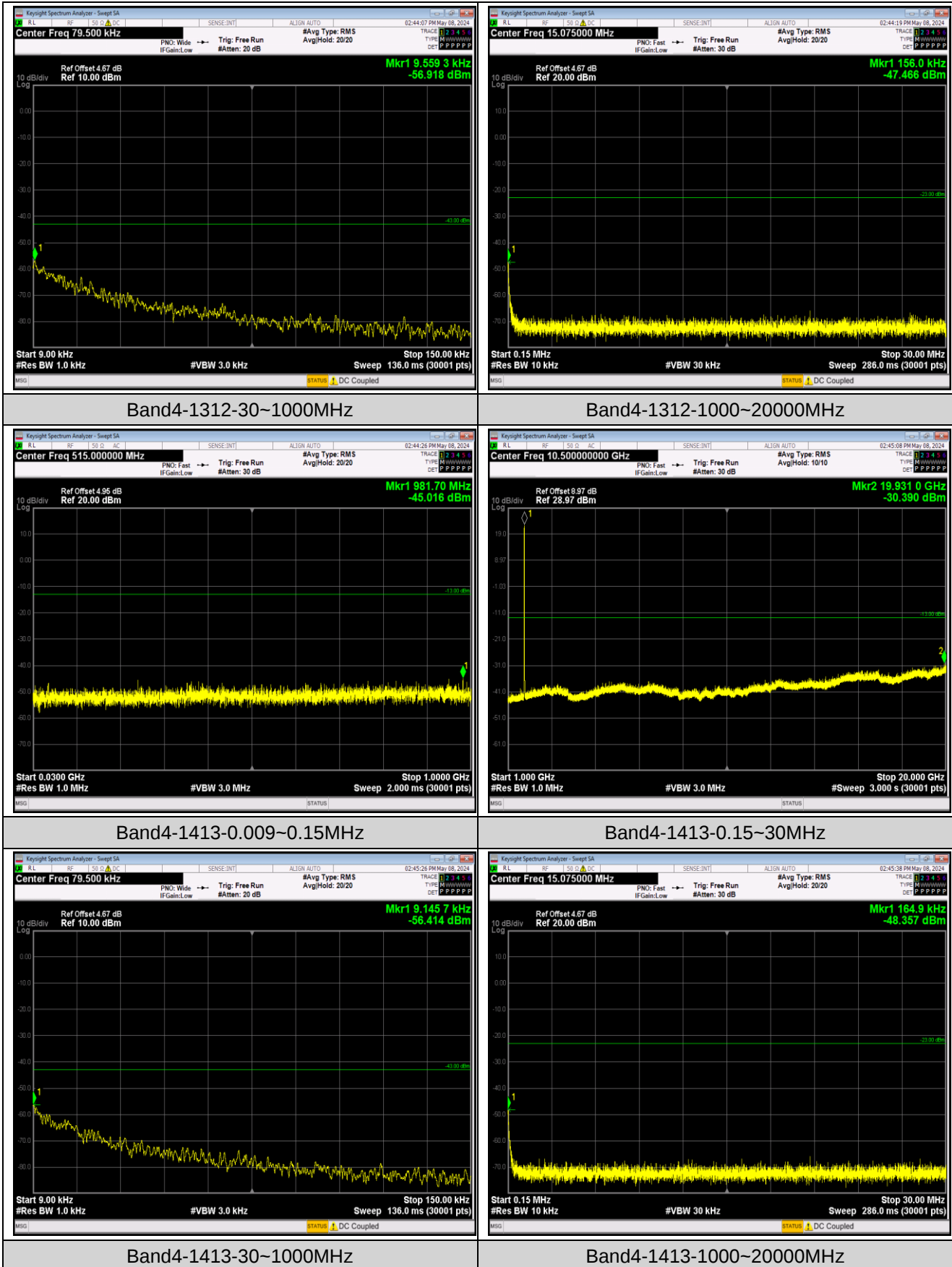
JianYan Testing Group Shenzhen Co., Ltd.

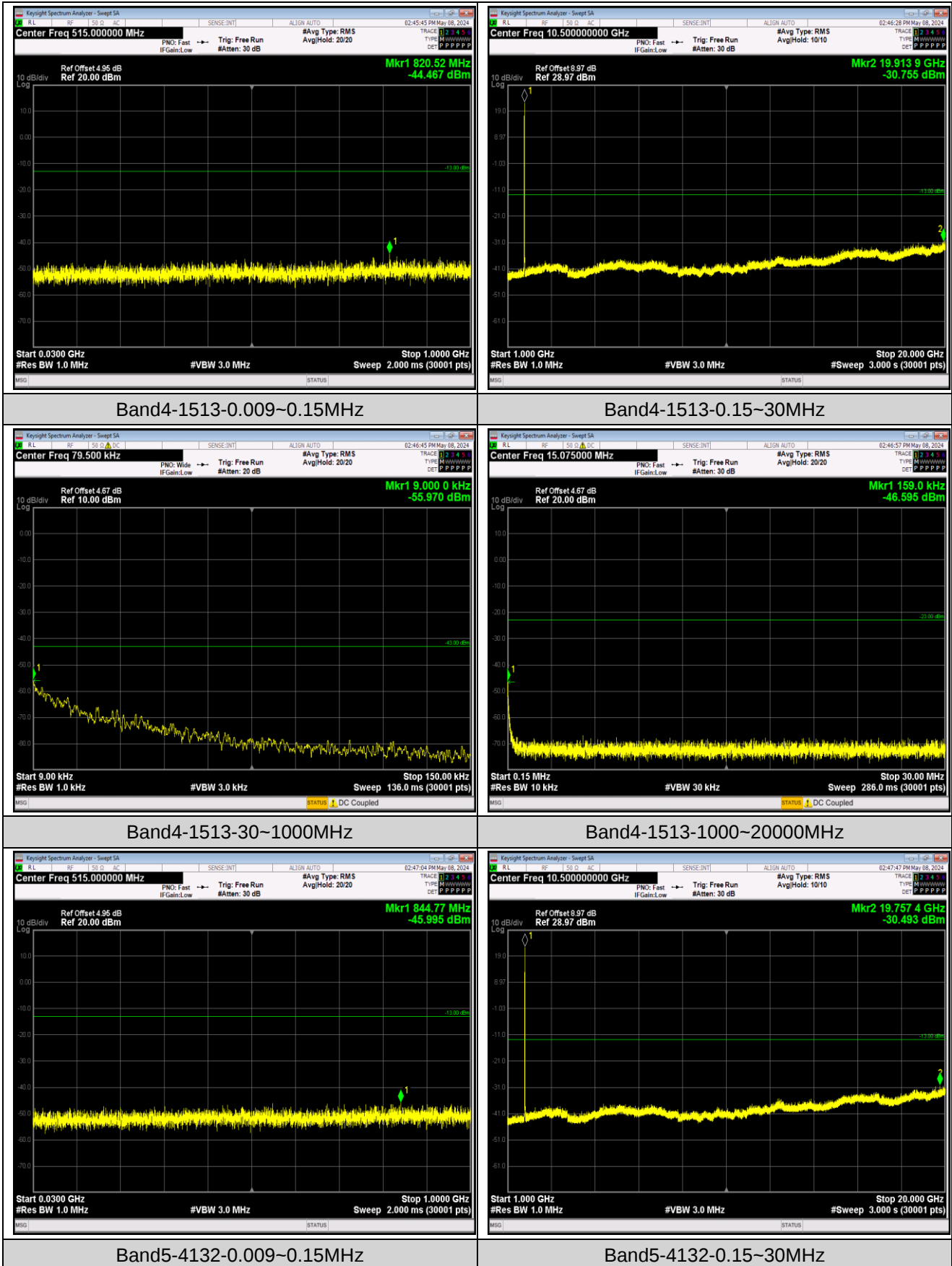
No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

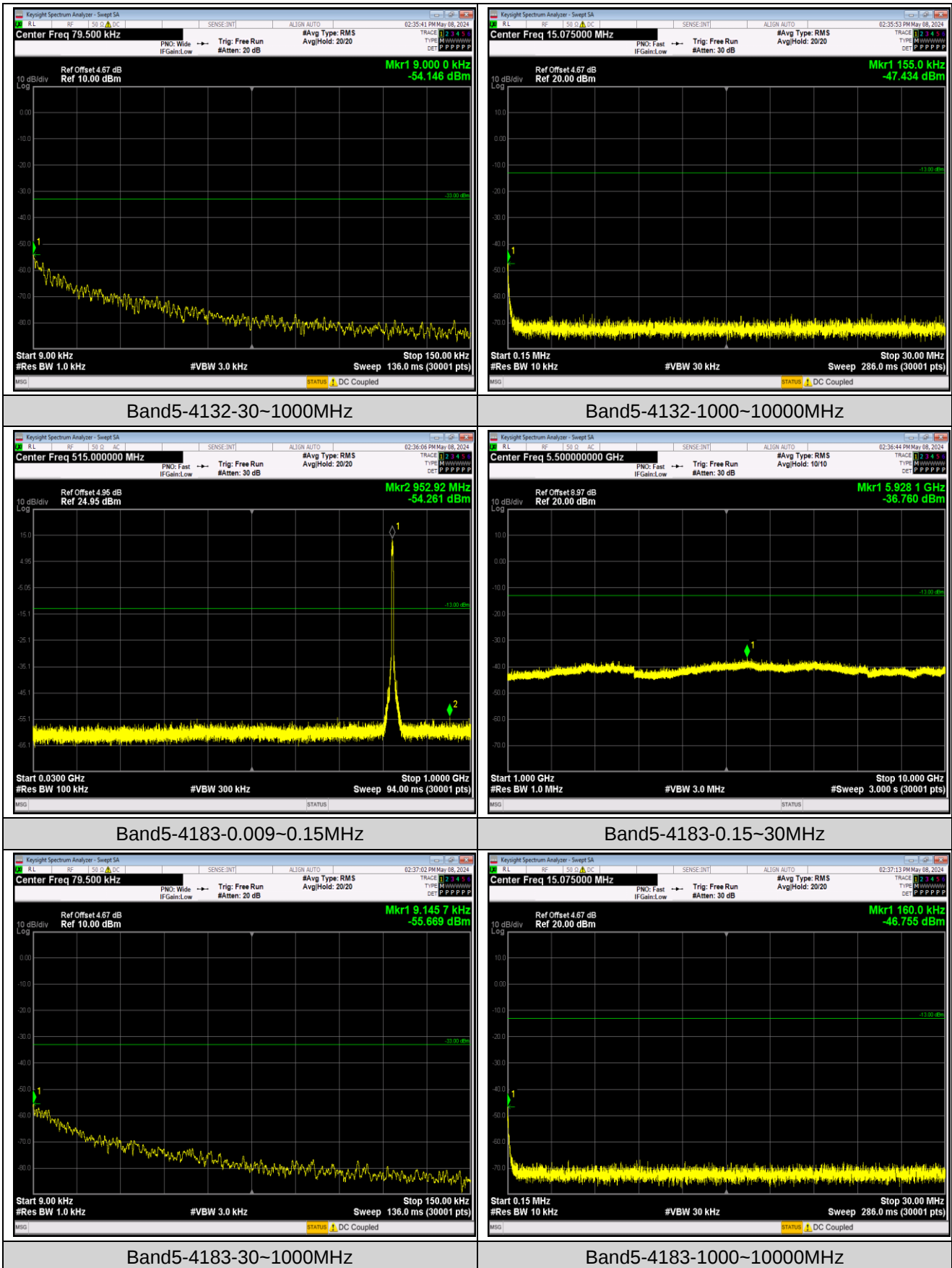
Tel: +86-755-23118282, Fax: +86-755-23116366

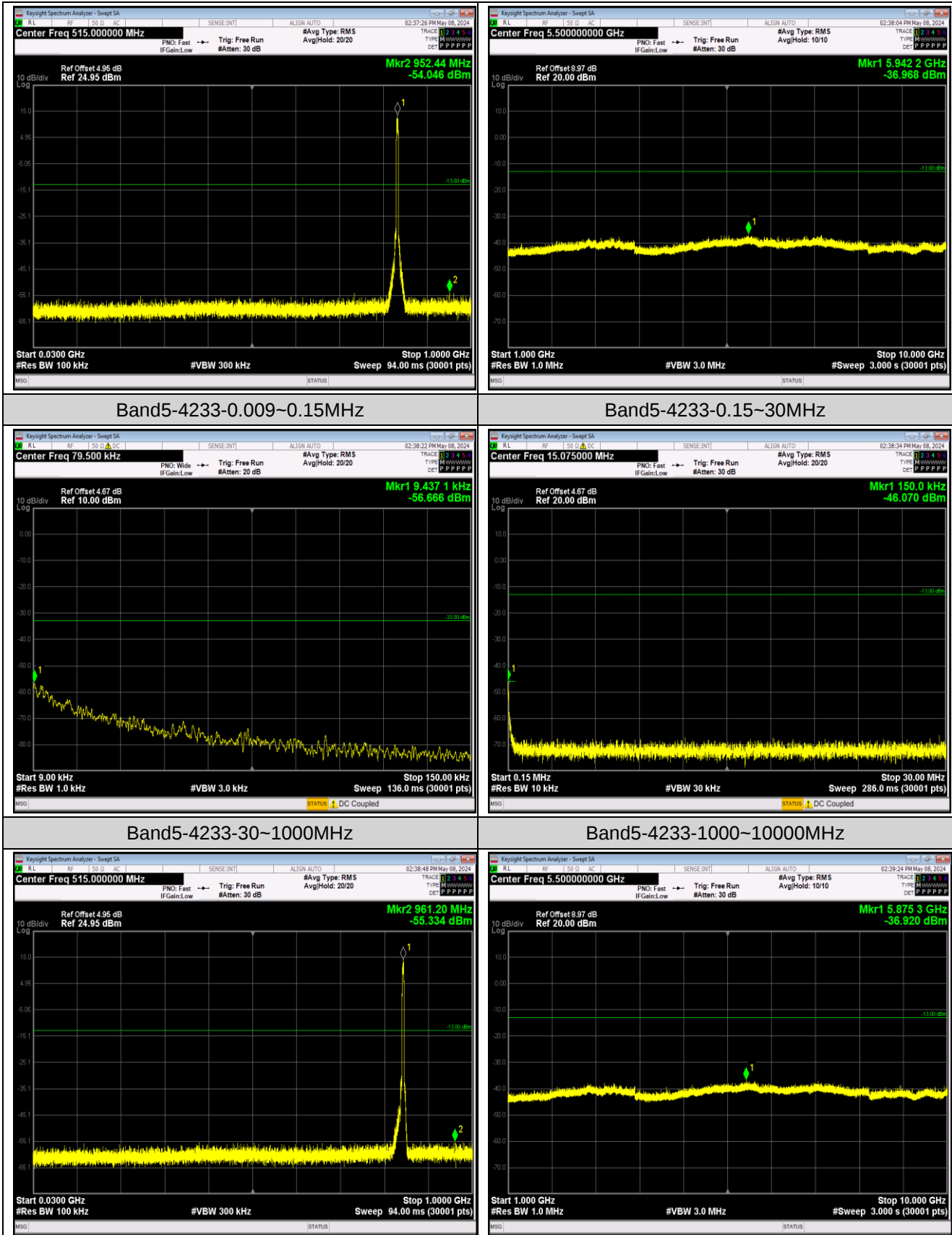
Project No.: JYTSZR2404049











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		
3.85	-30	0.29	0.000347	±2.5	Pass
	-20	-0.01	-0.000012		
	-10	0.50	0.000598		
	0	1.47	0.001757		
	10	1.36	0.001626		
	20	-2.33	-0.002785		
	30	-1.13	-0.001351		
	40	0.57	0.000681		
	50	-1.73	-0.002068		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.00	0.53	0.000634	±2.5	Pass
	3.85	-0.16	-0.000191		
	4.40	-2.55	-0.003048		
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		
3.85	-30	8.23	0.004750	Within authorized band for BAND IV	Pass
	-20	7.78	0.004490		
	-10	5.74	0.003313		
	0	9.91	0.005720		
	10	2.33	0.001345		
	20	4.93	0.002845		
	30	5.99	0.003457		
	40	2.80	0.001616		
	50	1.66	0.000958		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.00	7.89	0.004554	Within authorized band for BAND IV	Pass
	3.85	11.80	0.006811		
	4.40	8.67	0.005004		
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		
3.85	-30	2.93	0.001559	Within authorized band for BAND II	Pass
	-20	0.47	0.000250		
	-10	1.46	0.000777		
	0	3.38	0.001798		
	10	-5.31	-0.002824		
	20	-1.61	-0.000856		
	30	0.47	0.000250		
	40	-0.42	-0.000223		
	50	2.66	0.001415		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.00	1.92	0.001021	Within authorized band for BAND II	Pass
	3.85	1.36	0.000723		
	4.40	1.14	0.000606		
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

