

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	22.64	20.64	33.01	PASS
Band2	TestMode	9262	22.63	20.63	33.01	PASS
Band2	TestMode	9400	22.78	20.78	33.01	PASS
Band2	Voice	9400	22.70	20.7	33.01	PASS
Band2	TestMode	9538	22.94	20.94	33.01	PASS
Band2	Voice	9538	22.92	20.92	33.01	PASS
Band4	Voice	1312	22.77	20.77	30.00	PASS
Band4	TestMode	1312	22.80	20.8	30.00	PASS
Band4	TestMode	1413	22.78	20.78	30.00	PASS
Band4	Voice	1413	22.73	20.73	30.00	PASS
Band4	Voice	1513	22.70	20.7	30.00	PASS
Band4	TestMode	1513	22.76	20.76	30.00	PASS
Band5	TestMode	4132	23.83	14.68	38.45	PASS
Band5	Voice	4132	23.75	14.6	38.45	PASS
Band5	TestMode	4183	23.87	14.72	38.45	PASS
Band5	Voice	4183	23.73	14.58	38.45	PASS
Band5	Voice	4233	23.72	14.57	38.45	PASS
Band5	TestMode	4233	23.82	14.67	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	21.69	19.69	33.01	PASS
Band2	9262	2	21.09	19.09	33.01	PASS
Band2	9262	3	21.08	19.08	33.01	PASS
Band2	9262	4	21.10	19.1	33.01	PASS
Band2	9400	1	21.78	19.78	33.01	PASS
Band2	9400	2	21.19	19.19	33.01	PASS
Band2	9400	3	21.23	19.23	33.01	PASS
Band2	9400	4	21.20	19.2	33.01	PASS
Band2	9538	1	21.96	19.96	33.01	PASS
Band2	9538	2	21.38	19.38	33.01	PASS
Band2	9538	3	21.37	19.37	33.01	PASS
Band2	9538	4	21.41	19.41	33.01	PASS

Band4	1312	1	21.80	19.8	30.00	PASS
Band4	1312	2	21.22	19.22	30.00	PASS
Band4	1312	3	21.25	19.25	30.00	PASS
Band4	1312	4	21.21	19.21	30.00	PASS
Band4	1413	1	21.78	19.78	30.00	PASS
Band4	1413	2	21.21	19.21	30.00	PASS
Band4	1413	3	21.22	19.22	30.00	PASS
Band4	1413	4	21.19	19.19	30.00	PASS
Band4	1513	1	21.73	19.73	30.00	PASS
Band4	1513	2	21.22	19.22	30.00	PASS
Band4	1513	3	21.23	19.23	30.00	PASS
Band4	1513	4	21.21	19.21	30.00	PASS
Band5	4132	1	22.84	13.69	38.5	PASS
Band5	4132	2	22.28	13.13	38.5	PASS
Band5	4132	3	22.31	13.16	38.5	PASS
Band5	4132	4	22.28	13.13	38.5	PASS
Band5	4183	1	22.86	13.71	38.5	PASS
Band5	4183	2	22.33	13.18	38.5	PASS
Band5	4183	3	22.36	13.21	38.5	PASS
Band5	4183	4	22.32	13.17	38.5	PASS
Band5	4233	1	22.81	13.66	38.5	PASS
Band5	4233	2	22.27	13.12	38.5	PASS
Band5	4233	3	22.30	13.15	38.5	PASS
Band5	4233	4	22.26	13.11	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	20.63	18.63	33.01	PASS
Band2	9262	2	21.14	19.14	33.01	PASS
Band2	9262	3	21.67	19.67	33.01	PASS
Band2	9262	4	20.62	18.62	33.01	PASS
Band2	9262	5	22.66	20.66	33.01	PASS
Band2	9400	1	20.75	18.75	33.01	PASS
Band2	9400	2	21.20	19.2	33.01	PASS
Band2	9400	3	21.78	19.78	33.01	PASS
Band2	9400	4	20.79	18.79	33.01	PASS
Band2	9400	5	22.77	20.77	33.01	PASS
Band2	9538	1	20.90	18.9	33.01	PASS
Band2	9538	2	21.42	19.42	33.01	PASS
Band2	9538	3	21.89	19.89	33.01	PASS

Band2	9538	4	20.95	18.95	33.01	PASS
Band2	9538	5	22.92	20.92	33.01	PASS
Band4	1312	1	20.80	18.8	30.00	PASS
Band4	1312	2	21.29	19.29	30.00	PASS
Band4	1312	3	21.78	19.78	30.00	PASS
Band4	1312	4	20.76	18.76	30.00	PASS
Band4	1312	5	22.85	20.85	30.00	PASS
Band4	1413	1	20.76	18.76	30.00	PASS
Band4	1413	2	21.26	19.26	30.00	PASS
Band4	1413	3	21.74	19.74	30.00	PASS
Band4	1413	4	20.78	18.78	30.00	PASS
Band4	1413	5	22.78	20.78	30.00	PASS
Band4	1513	1	20.79	18.79	30.00	PASS
Band4	1513	2	21.26	19.26	30.00	PASS
Band4	1513	3	21.76	19.76	30.00	PASS
Band4	1513	4	20.78	18.78	30.00	PASS
Band4	1513	5	22.79	20.79	30.00	PASS
Band5	4132	1	20.88	11.73	38.5	PASS
Band5	4132	2	21.36	12.21	38.5	PASS
Band5	4132	3	21.87	12.72	38.5	PASS
Band5	4132	4	20.92	11.77	38.5	PASS
Band5	4132	5	22.89	13.74	38.5	PASS
Band5	4183	1	20.91	11.76	38.5	PASS
Band5	4183	2	21.36	12.21	38.5	PASS
Band5	4183	3	21.91	12.76	38.5	PASS
Band5	4183	4	20.91	11.76	38.5	PASS
Band5	4183	5	22.90	13.75	38.5	PASS
Band5	4233	1	20.90	11.75	38.5	PASS
Band5	4233	2	21.35	12.2	38.5	PASS
Band5	4233	3	21.89	12.74	38.5	PASS
Band5	4233	4	20.92	11.77	38.5	PASS
Band5	4233	5	22.90	13.75	38.5	PASS

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

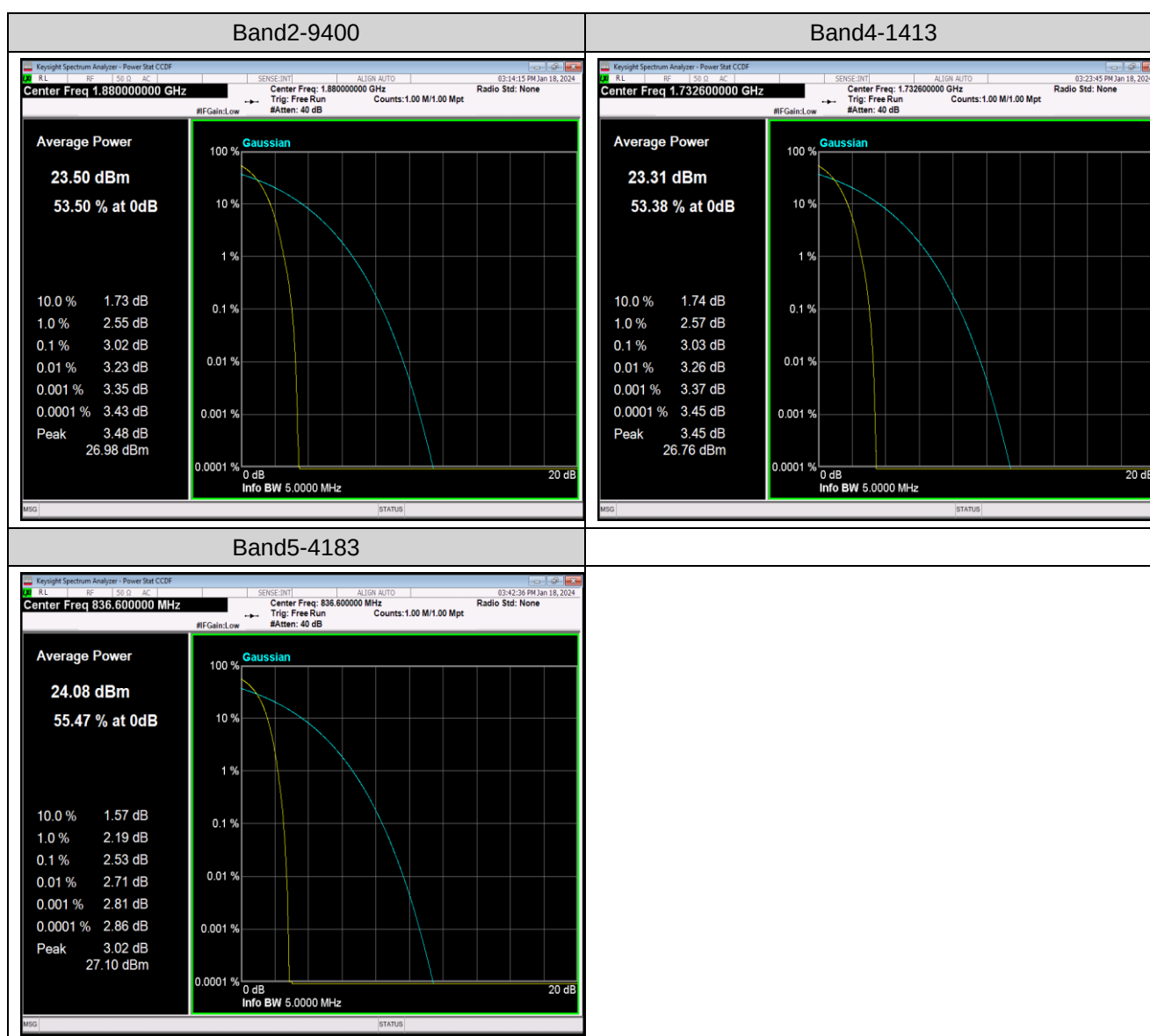
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.02	13	PASS
Band4	1413	3.03	13	PASS
Band5	4183	2.53	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	4.696	---	PASS
Band2	9400	4.1596	4.693	---	PASS
Band2	9538	4.1564	4.685	---	PASS
Band4	1312	4.1459	4.682	---	PASS
Band4	1413	4.1531	4.689	---	PASS
Band4	1513	4.1679	4.692	---	PASS
Band5	4132	4.1673	4.747	---	PASS
Band5	4183	4.1670	4.733	---	PASS
Band5	4233	4.1713	4.752	---	PASS

Test Graphs(WCDMA)



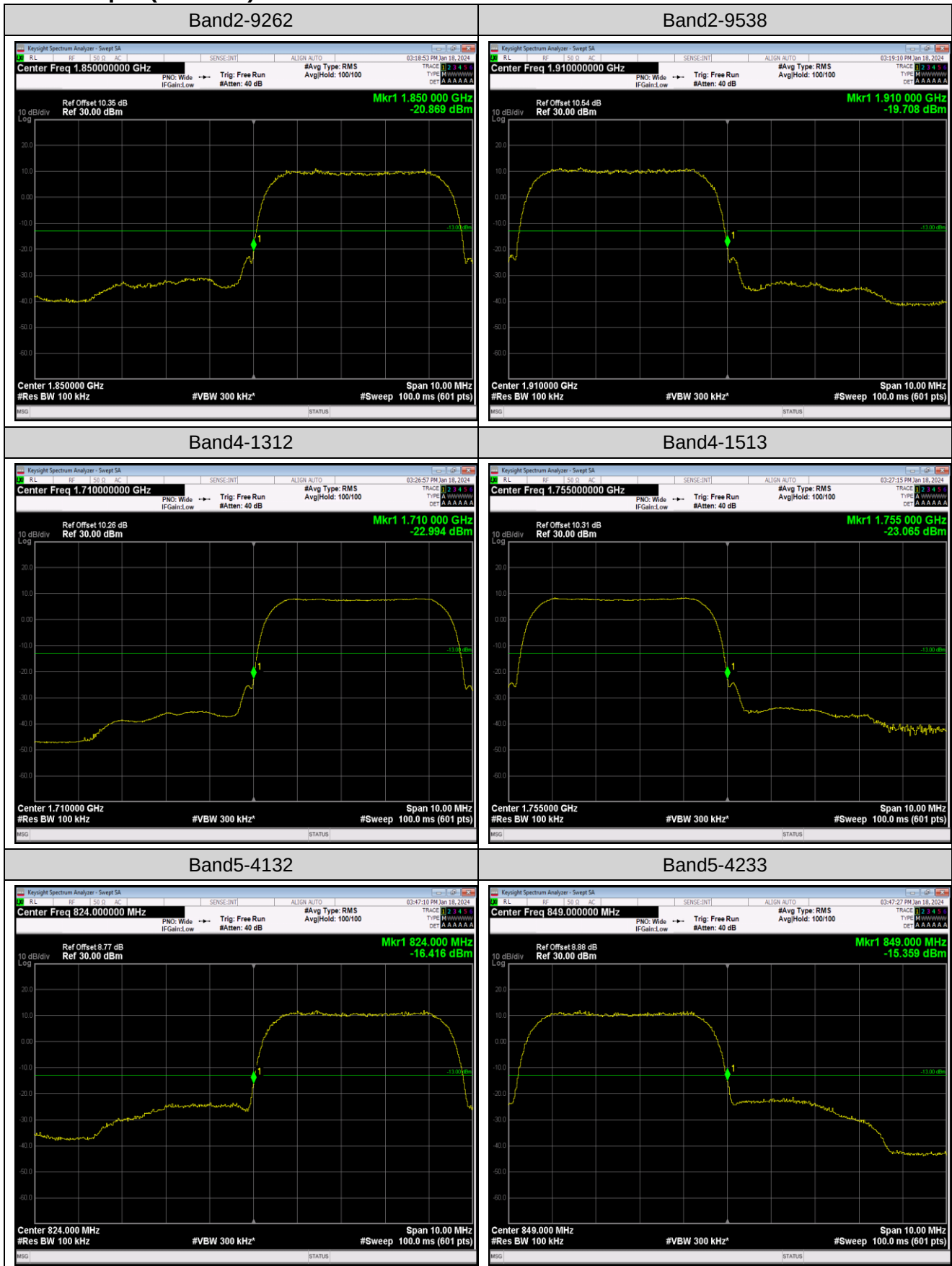


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-20.87	-13	PASS
Band2	9538	1910.00	-19.71	-13	PASS
Band4	1312	1710.00	-22.99	-13	PASS
Band4	1513	1755.00	-23.06	-13	PASS
Band5	4132	824.00	-16.42	-13	PASS
Band5	4233	849.00	-15.36	-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

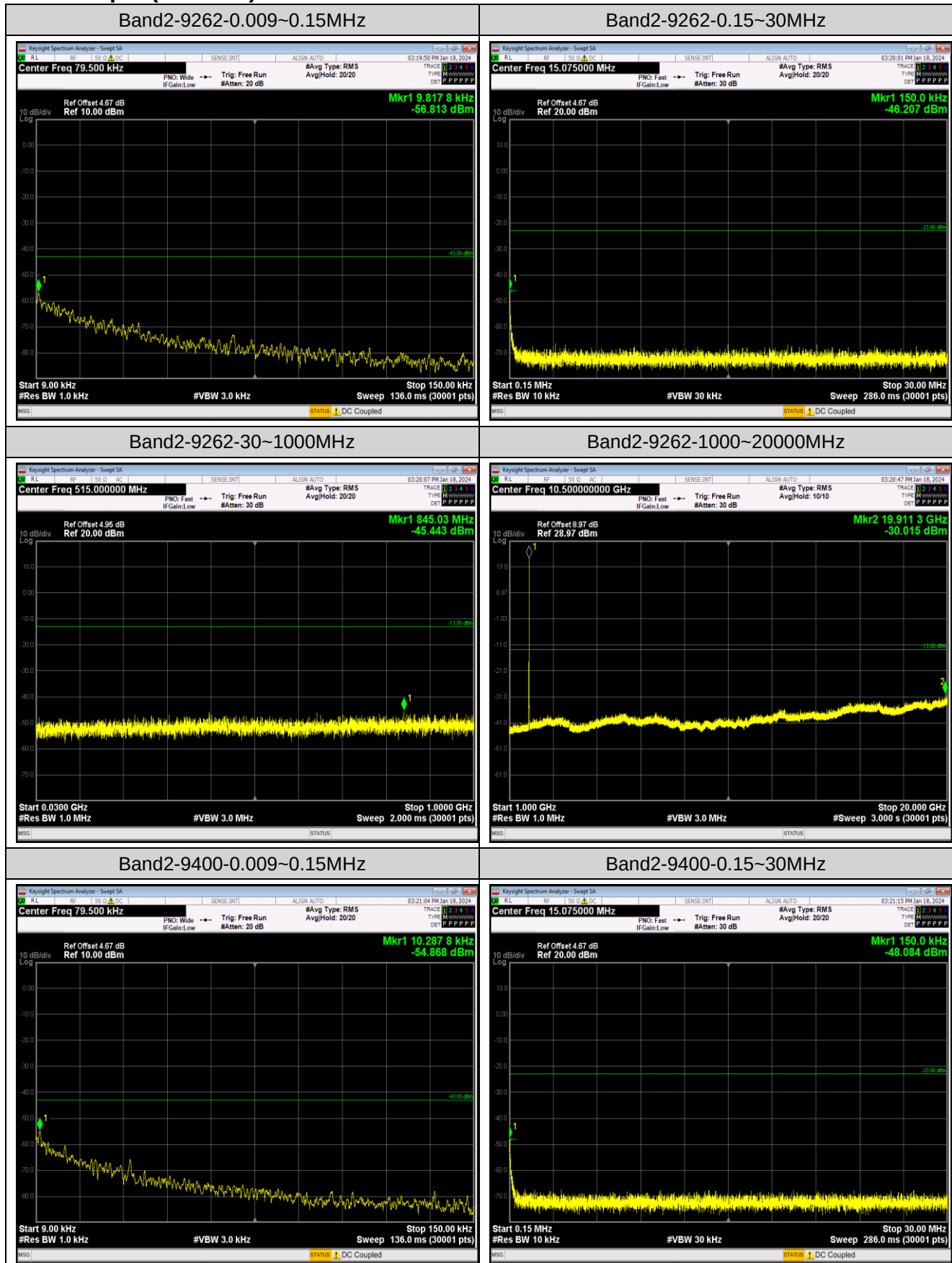
Project No.: JYTSZR2312022

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	-56.81	-43	PASS
Band2	9262	0.15~30MHz	0.15	-46.21	-23	PASS
Band2	9262	30~1000MHz	845.03	-45.44	-13	PASS
Band2	9262	1000~20000MHz	19911.33	-30.02	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-54.87	-43	PASS
Band2	9400	0.15~30MHz	0.15	-48.08	-23	PASS
Band2	9400	30~1000MHz	518.04	-45.38	-13	PASS
Band2	9400	1000~20000MHz	19986.7	-30.38	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-55.31	-43	PASS
Band2	9538	0.15~30MHz	0.16	-49.65	-23	PASS
Band2	9538	30~1000MHz	770.21	-45.54	-13	PASS
Band2	9538	1000~20000MHz	18705.47	-30.72	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-58.2	-43	PASS
Band4	1312	0.15~30MHz	0.16	-49.01	-23	PASS
Band4	1312	30~1000MHz	888.94	-45.05	-13	PASS
Band4	1312	1000~20000MHz	19995.57	-31.11	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-58.83	-43	PASS
Band4	1413	0.15~30MHz	0.15	-49.08	-23	PASS
Band4	1413	30~1000MHz	874.03	-46.04	-13	PASS
Band4	1413	1000~20000MHz	19841.03	-30.52	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-55.98	-43	PASS
Band4	1513	0.15~30MHz	0.15	-49.58	-23	PASS
Band4	1513	30~1000MHz	959.32	-45.34	-13	PASS
Band4	1513	1000~20000MHz	19943.63	-30.45	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-57.21	-33	PASS
Band5	4132	0.15~30MHz	0.17	-49.85	-13	PASS
Band5	4132	30~1000MHz	383.99	-54.73	-13	PASS
Band5	4132	1000~10000MHz	5886.4	-37.08	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-56.15	-33	PASS
Band5	4183	0.15~30MHz	0.15	-47.4	-13	PASS
Band5	4183	30~1000MHz	386.18	-55.2	-13	PASS
Band5	4183	1000~10000MHz	5905	-36.76	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-56.06	-33	PASS
Band5	4233	0.15~30MHz	0.15	-47.2	-13	PASS
Band5	4233	30~1000MHz	505.11	-55.19	-13	PASS
Band5	4233	1000~10000MHz	5998.6	-36.47	-13	PASS

Test Graphs(WCDMA)

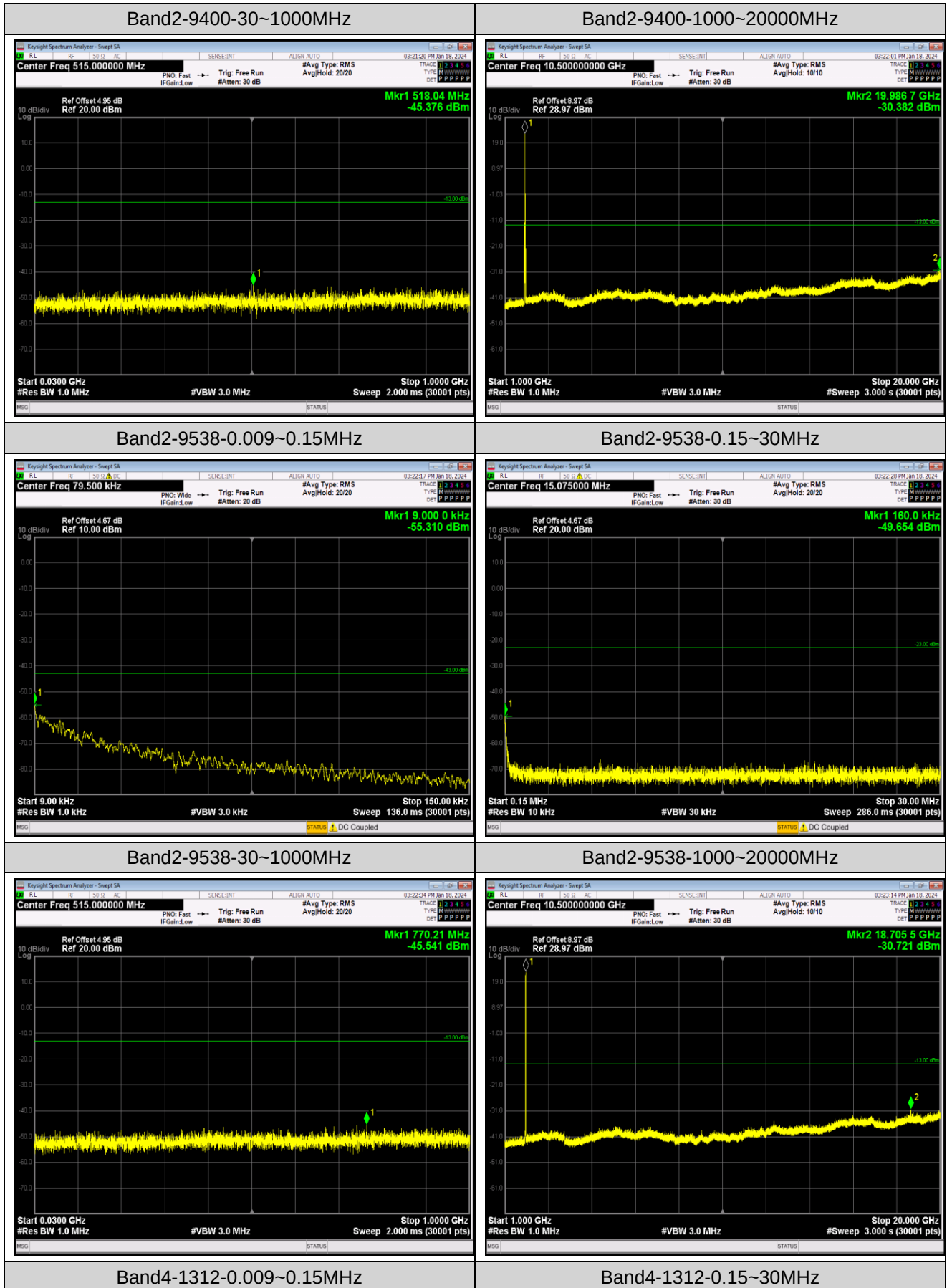


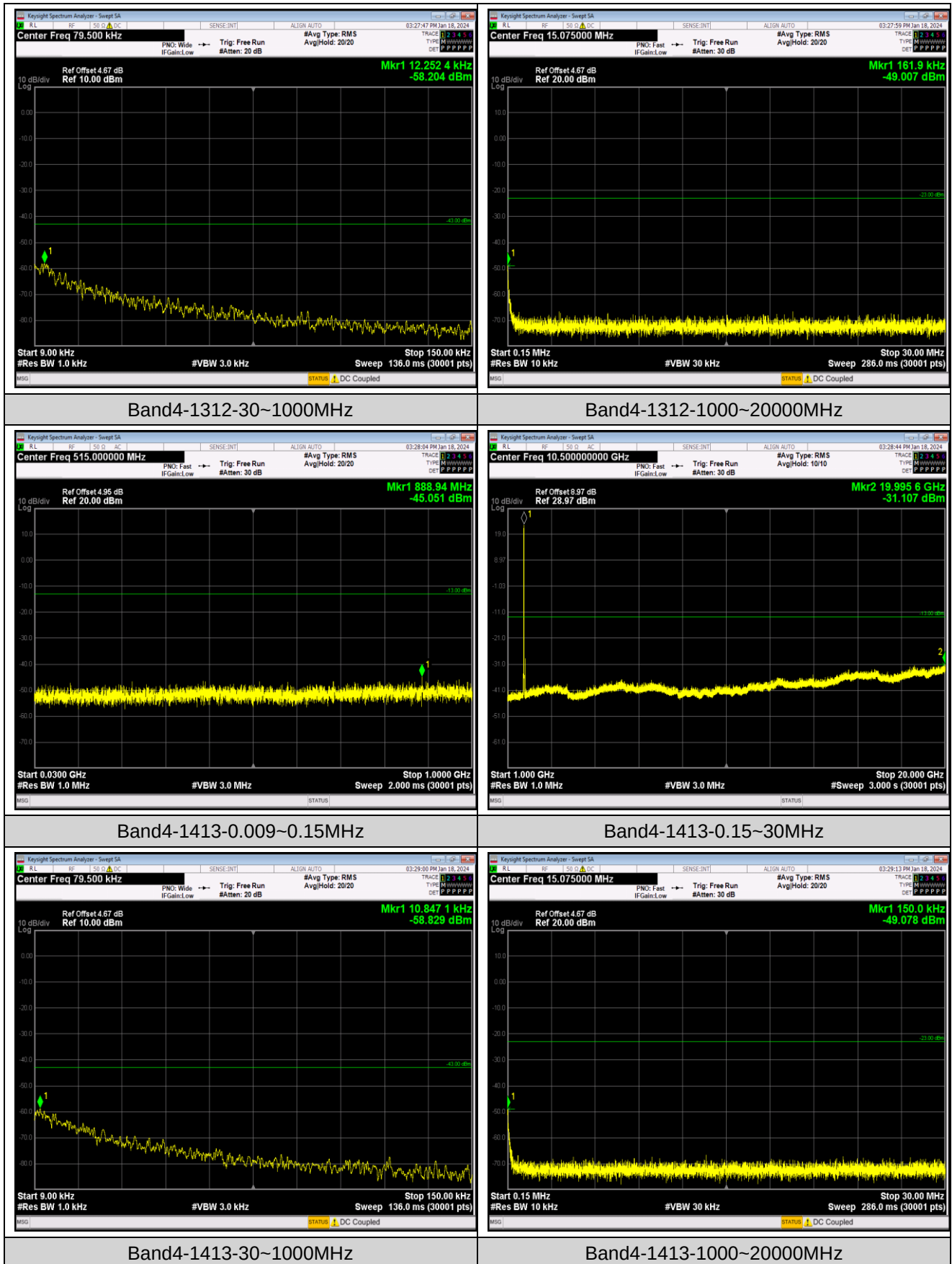
JianYan Testing Group Shenzhen Co., Ltd.

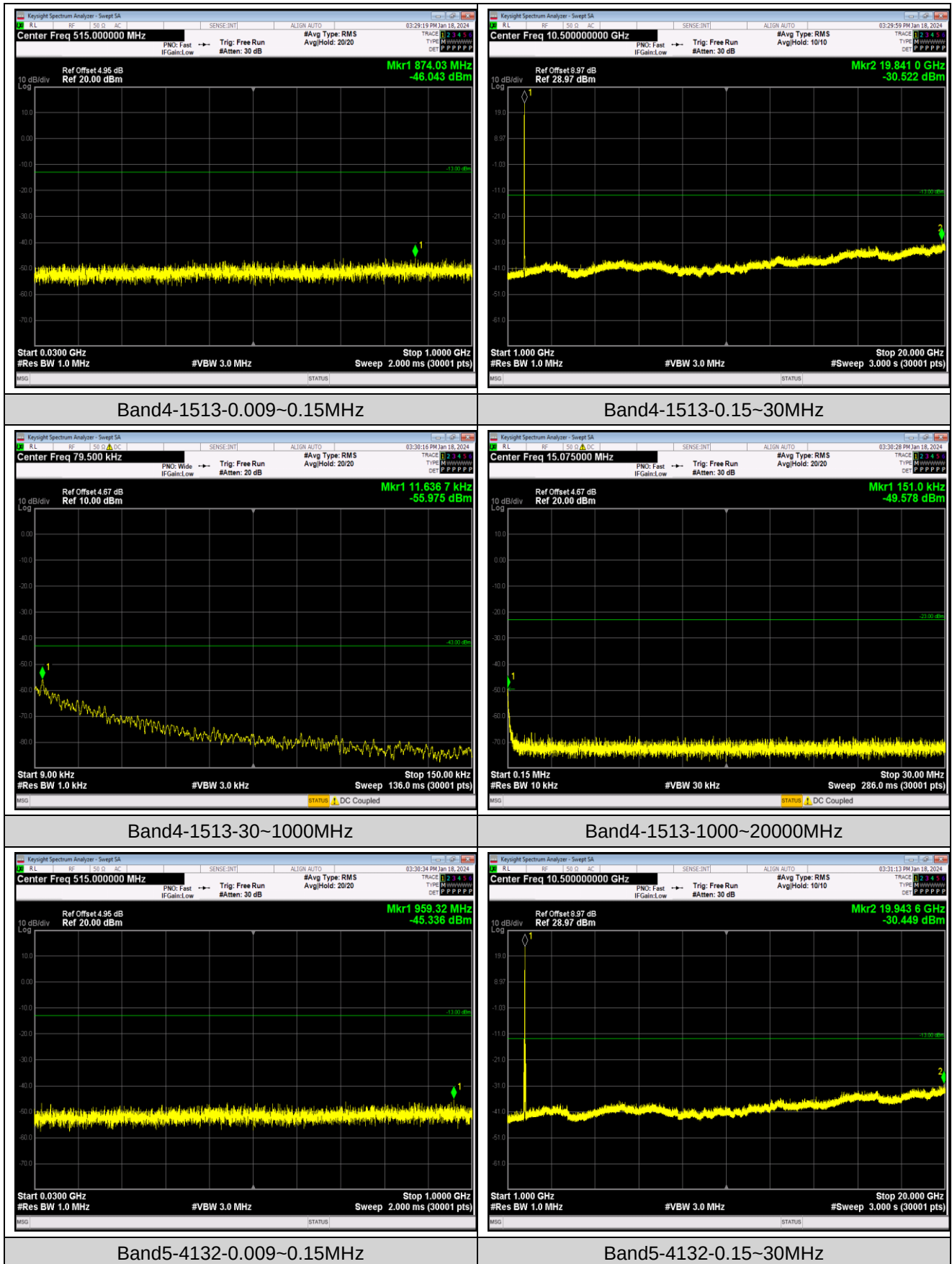
No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

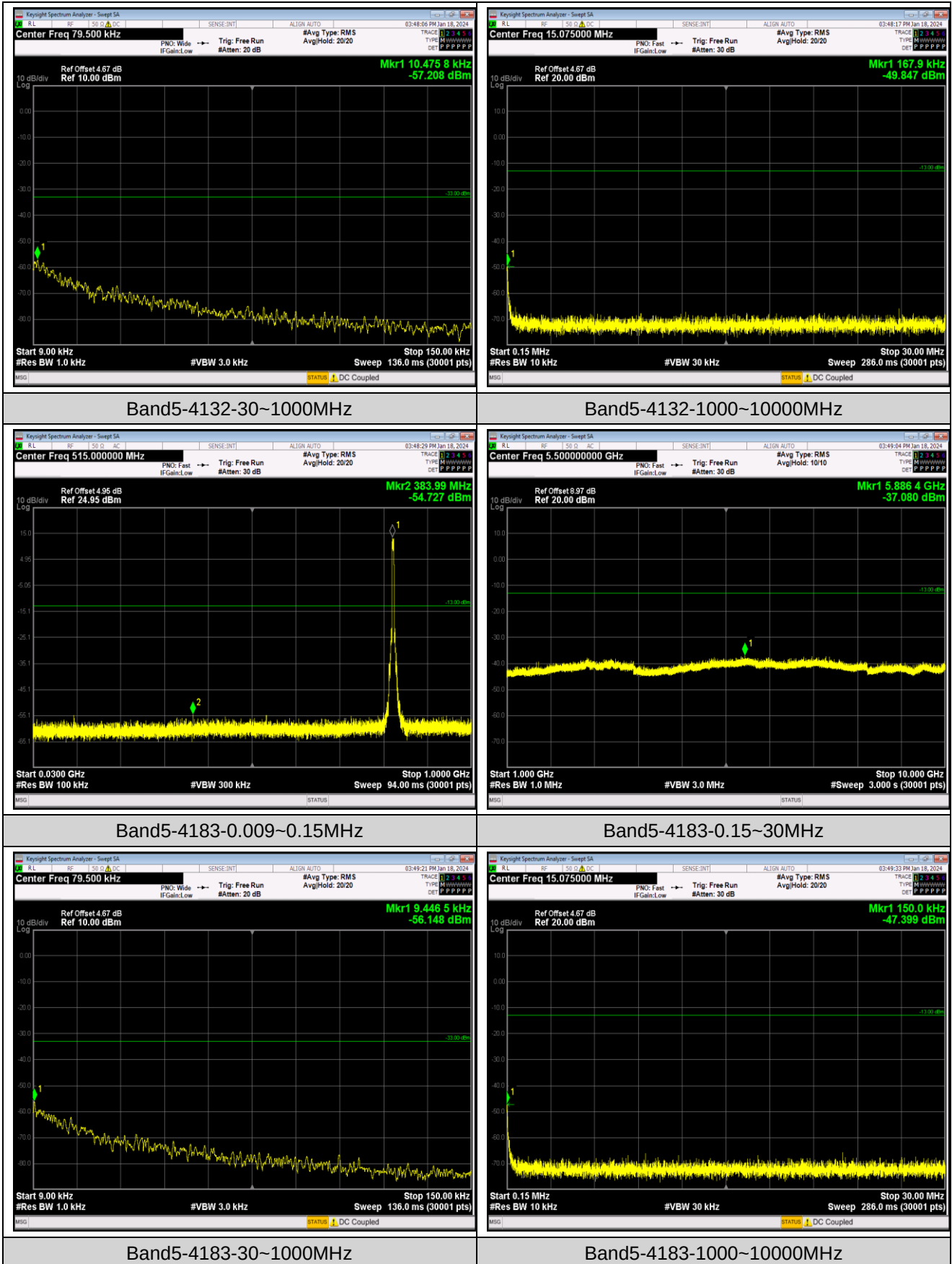
Tel: +86-755-23118282, Fax: +86-755-23116366

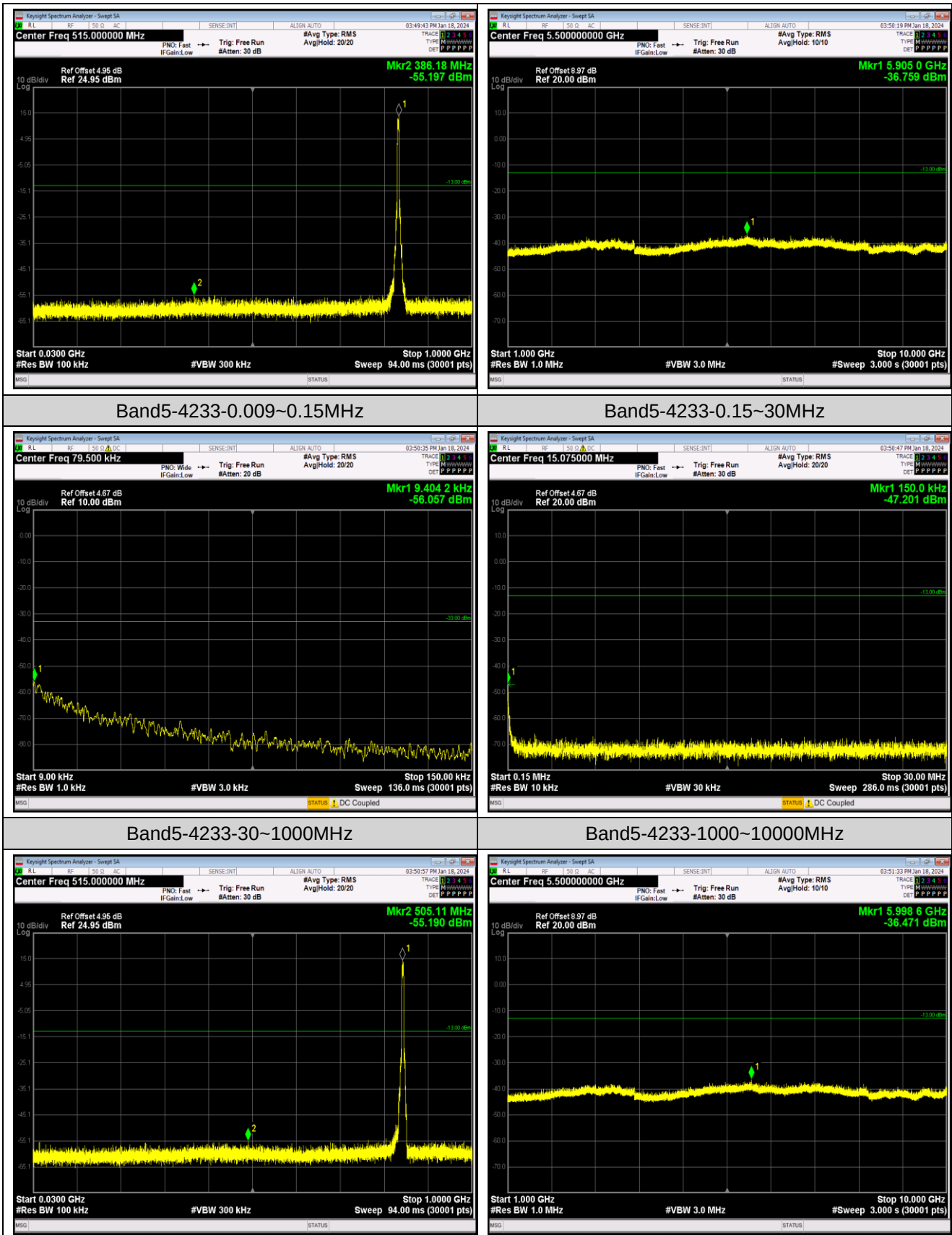
Project No.: JYTSZR2312022











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		
3.91	-30	-4.64	-0.005546	±2.5	Pass
	-20	-4.55	-0.005439		
	-10	-4.48	-0.005355		
	0	-4.86	-0.005809		
	10	-4.28	-0.005116		
	20	-4.30	-0.005140		
	30	-4.20	-0.005020		
	40	-3.50	-0.004184		
	50	-5.31	-0.006347		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-5.51	-0.006586	±2.5	Pass
	3.91	-6.04	-0.007220		
	4.50	-5.17	-0.006180		
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		
3.91	-30	-3.60	-0.002078	Within authorized band for BAND IV	Pass
	-20	-2.78	-0.001605		
	-10	-2.05	-0.001183		
	0	-3.30	-0.001905		
	10	-6.08	-0.003509		
	20	-5.47	-0.003157		
	30	-5.14	-0.002967		
	40	-5.06	-0.002920		
	50	-4.56	-0.002632		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-5.62	-0.003244	Within authorized band for BAND IV	Pass
	3.91	-6.39	-0.003688		
	4.50	-4.06	-0.002343		
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 (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.91	-30	-4.21	-0.002239	Within authorized band for BAND II	Pass
	-20	-3.63	-0.001931		
	-10	-3.05	-0.001622		
	0	-2.40	-0.001277		
	10	-2.43	-0.001293		
	20	-2.07	-0.001101		
	30	-1.49	-0.000793		
	40	-2.55	-0.001356		
	50	-2.99	-0.001590		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-5.37	-0.002856	Within authorized band for BAND II	Pass
	3.91	-6.75	-0.003590		
	4.50	-4.93	-0.002622		
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

