

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	23.27	22.97	33.01	PASS
Band2	TestMode	9262	23.33	23.03	33.01	PASS
Band2	TestMode	9400	23.77	23.47	33.01	PASS
Band2	Voice	9400	23.76	23.46	33.01	PASS
Band2	TestMode	9538	23.89	23.59	33.01	PASS
Band2	Voice	9538	23.85	23.55	33.01	PASS
Band4	Voice	1312	23.52	22.72	30.00	PASS
Band4	TestMode	1312	23.58	22.78	30.00	PASS
Band4	Voice	1413	23.18	22.38	30.00	PASS
Band4	TestMode	1413	23.22	22.42	30.00	PASS
Band4	TestMode	1513	23.40	22.6	30.00	PASS
Band4	Voice	1513	23.35	22.55	30.00	PASS
Band5	Voice	4132	24.05	18.4	38.45	PASS
Band5	TestMode	4132	24.06	18.41	38.45	PASS
Band5	TestMode	4183	24.08	18.43	38.45	PASS
Band5	Voice	4183	23.97	18.32	38.45	PASS
Band5	Voice	4233	23.88	18.23	38.45	PASS
Band5	TestMode	4233	23.96	18.31	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	23.23	22.93	33.01	PASS
Band2	9262	2	22.98	22.68	33.01	PASS
Band2	9262	3	22.74	22.44	33.01	PASS
Band2	9262	4	22.87	22.57	33.01	PASS
Band2	9400	1	23.81	23.51	33.01	PASS
Band2	9400	2	23.52	23.22	33.01	PASS
Band2	9400	3	23.41	23.11	33.01	PASS
Band2	9400	4	23.43	23.13	33.01	PASS
Band2	9538	1	23.89	23.59	33.01	PASS
Band2	9538	2	23.47	23.17	33.01	PASS
Band2	9538	3	23.36	23.06	33.01	PASS
Band2	9538	4	23.37	23.07	33.01	PASS

Band4	1312	1	23.56	22.76	30.00	PASS
Band4	1312	2	23.56	22.76	30.00	PASS
Band4	1312	3	23.49	22.69	30.00	PASS
Band4	1312	4	23.50	22.7	30.00	PASS
Band4	1413	1	23.93	23.13	30.00	PASS
Band4	1413	2	23.96	23.16	30.00	PASS
Band4	1413	3	23.92	23.12	30.00	PASS
Band4	1413	4	23.94	23.14	30.00	PASS
Band4	1513	1	23.40	22.6	30.00	PASS
Band4	1513	2	23.43	22.63	30.00	PASS
Band4	1513	3	23.30	22.5	30.00	PASS
Band4	1513	4	23.33	22.53	30.00	PASS
Band5	4132	1	23.25	17.6	38.5	PASS
Band5	4132	2	23.09	17.44	38.5	PASS
Band5	4132	3	22.72	17.07	38.5	PASS
Band5	4132	4	22.68	17.03	38.5	PASS
Band5	4183	1	23.41	17.76	38.5	PASS
Band5	4183	2	23.11	17.46	38.5	PASS
Band5	4183	3	22.78	17.13	38.5	PASS
Band5	4183	4	22.80	17.15	38.5	PASS
Band5	4233	1	23.37	17.72	38.5	PASS
Band5	4233	2	23.16	17.51	38.5	PASS
Band5	4233	3	22.64	16.99	38.5	PASS
Band5	4233	4	22.66	17.01	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	20.73	20.43	33.01	PASS
Band2	9262	2	21.43	21.13	33.01	PASS
Band2	9262	3	21.21	20.91	33.01	PASS
Band2	9262	4	21.49	21.19	33.01	PASS
Band2	9262	5	23.24	22.94	33.01	PASS
Band2	9400	1	21.57	21.27	33.01	PASS
Band2	9400	2	22.16	21.86	33.01	PASS
Band2	9400	3	21.88	21.58	33.01	PASS
Band2	9400	4	22.13	21.83	33.01	PASS
Band2	9400	5	23.88	23.58	33.01	PASS
Band2	9538	1	21.67	21.37	33.01	PASS
Band2	9538	2	22.05	21.75	33.01	PASS
Band2	9538	3	21.79	21.49	33.01	PASS

Band2	9538	4	22.11	21.81	33.01	PASS
Band2	9538	5	23.88	23.58	33.01	PASS
Band4	1312	1	23.43	22.63	30.00	PASS
Band4	1312	2	23.34	22.54	30.00	PASS
Band4	1312	3	23.23	22.43	30.00	PASS
Band4	1312	4	23.38	22.58	30.00	PASS
Band4	1312	5	23.61	22.81	30.00	PASS
Band4	1413	1	23.81	23.01	30.00	PASS
Band4	1413	2	23.90	23.1	30.00	PASS
Band4	1413	3	23.71	22.91	30.00	PASS
Band4	1413	4	23.94	23.14	30.00	PASS
Band4	1413	5	23.98	23.18	30.00	PASS
Band4	1513	1	23.30	22.5	30.00	PASS
Band4	1513	2	23.31	22.51	30.00	PASS
Band4	1513	3	23.13	22.33	30.00	PASS
Band4	1513	4	23.37	22.57	30.00	PASS
Band4	1513	5	23.42	22.62	30.00	PASS
Band5	4132	1	21.88	16.23	38.5	PASS
Band5	4132	2	22.14	16.49	38.5	PASS
Band5	4132	3	21.77	16.12	38.5	PASS
Band5	4132	4	21.68	16.03	38.5	PASS
Band5	4132	5	23.58	17.93	38.5	PASS
Band5	4183	1	22.09	16.44	38.5	PASS
Band5	4183	2	22.20	16.55	38.5	PASS
Band5	4183	3	21.93	16.28	38.5	PASS
Band5	4183	4	21.90	16.25	38.5	PASS
Band5	4183	5	23.64	17.99	38.5	PASS
Band5	4233	1	21.93	16.28	38.5	PASS
Band5	4233	2	22.11	16.46	38.5	PASS
Band5	4233	3	21.84	16.19	38.5	PASS
Band5	4233	4	21.61	15.96	38.5	PASS
Band5	4233	5	23.66	18.01	38.5	PASS

Remark: EIRP (dBm) = Conducted power (dBm) + Antenna Gain (dBi). (For Band2 & 4)
 ERP (dBm) = EIRP (dBm) - 2.15 (dB). (For Band5)

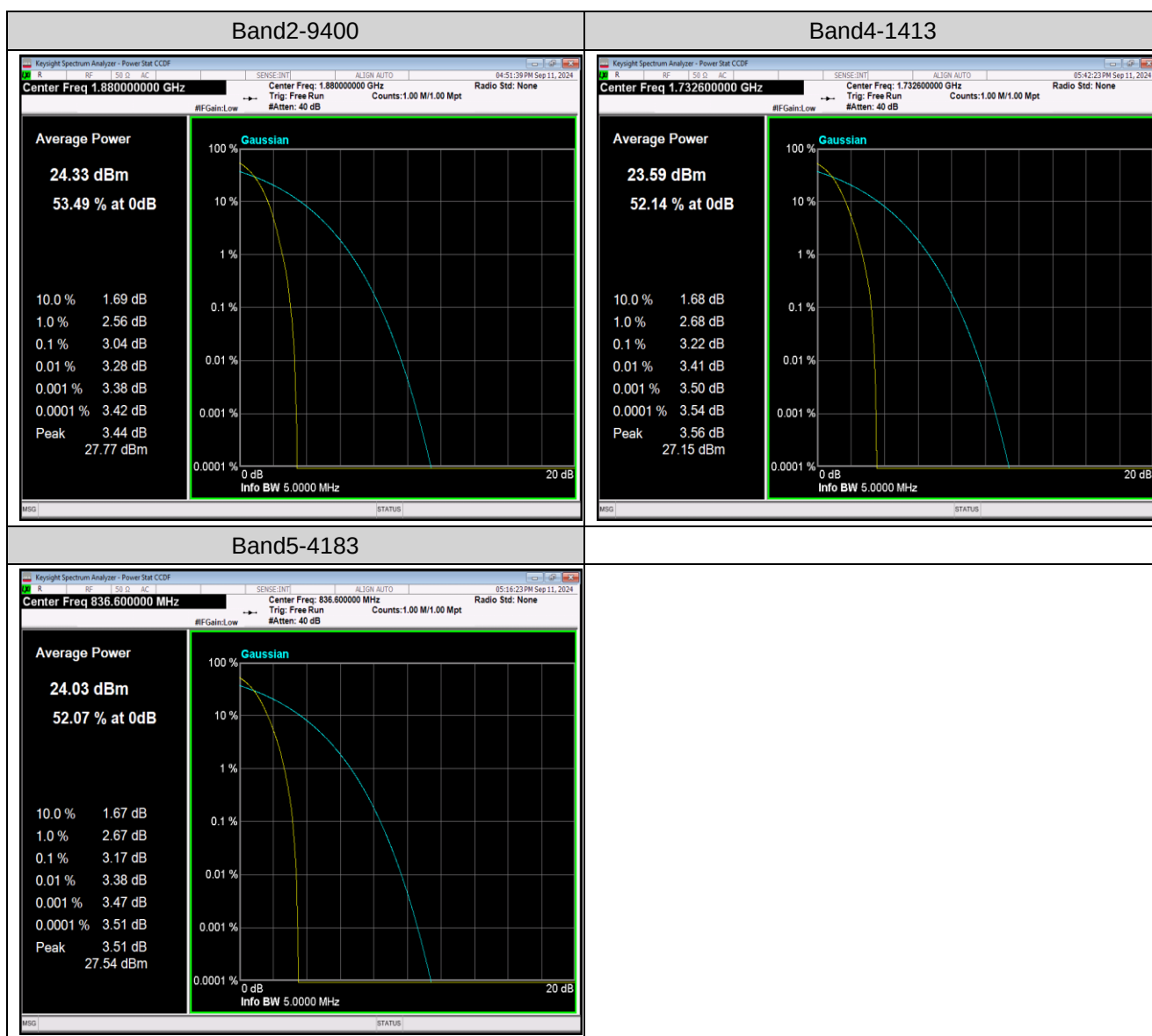
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.04	13	PASS
Band4	1413	3.22	13	PASS
Band5	4183	3.17	13	PASS

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

Test Graphs(WCDMA)

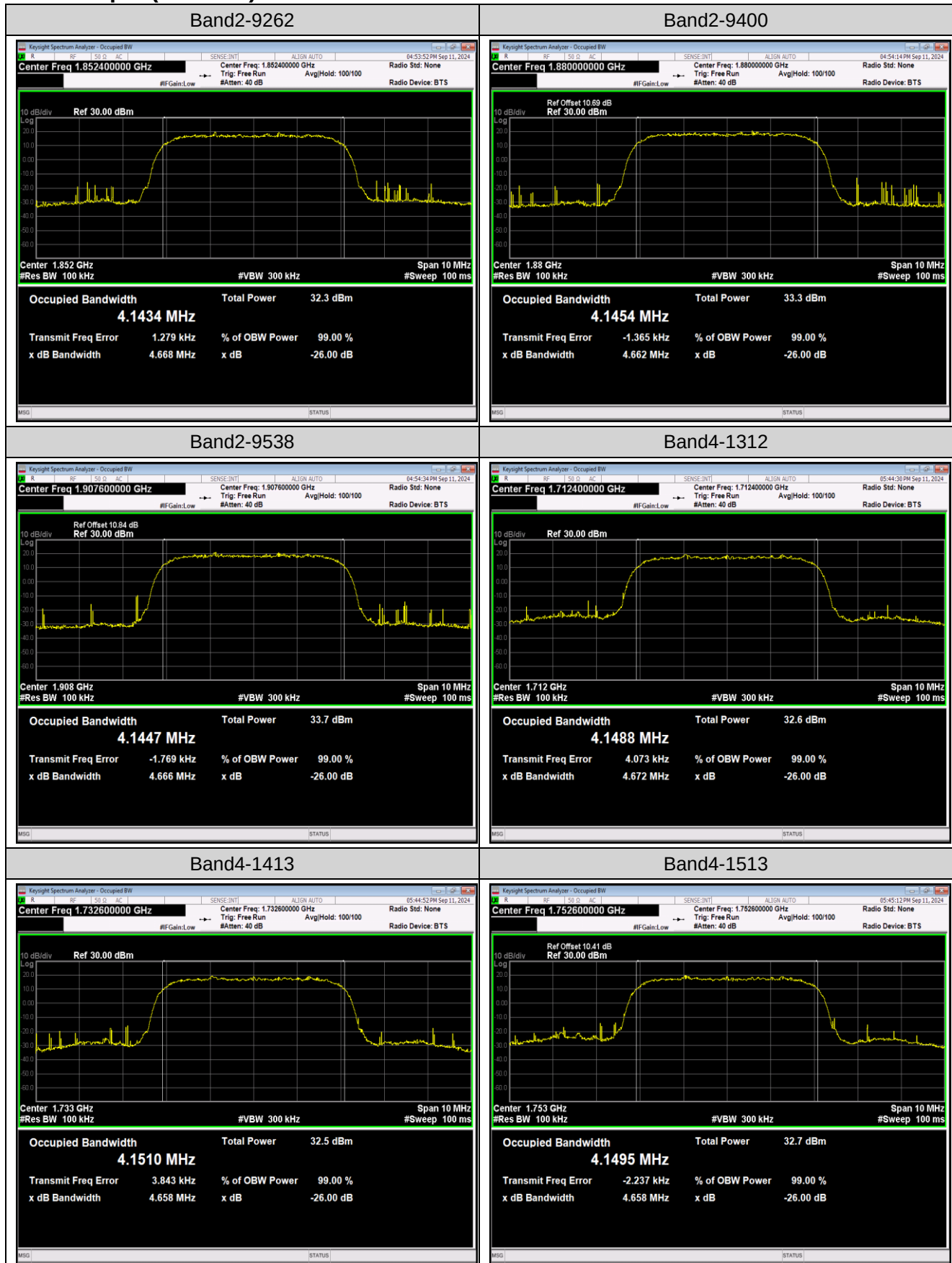


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1434	4.668	---	PASS
Band2	9400	4.1454	4.662	---	PASS
Band2	9538	4.1447	4.666	---	PASS
Band4	1312	4.1488	4.672	---	PASS
Band4	1413	4.1510	4.658	---	PASS
Band4	1513	4.1495	4.658	---	PASS
Band5	4132	4.1540	4.656	---	PASS
Band5	4183	4.1380	4.657	---	PASS
Band5	4233	4.1411	4.654	---	PASS

Test Graphs(WCDMA)



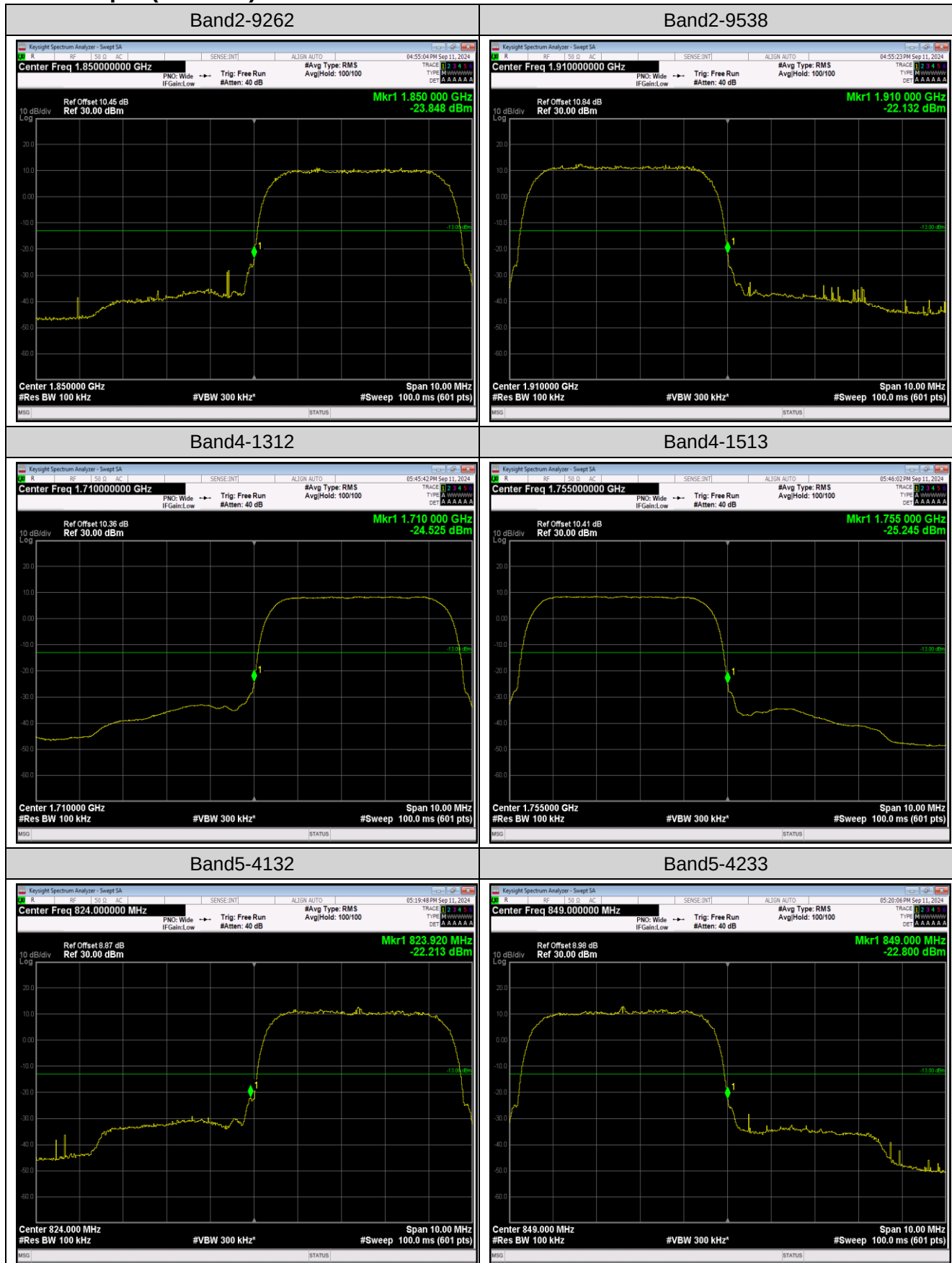


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-23.85	-13	PASS
Band2	9538	1910.00	-22.13	-13	PASS
Band4	1312	1710.00	-24.52	-13	PASS
Band4	1513	1755.00	-25.24	-13	PASS
Band5	4132	823.92	-22.21	-13	PASS
Band5	4233	849.00	-22.80	-13	PASS

Test Graphs(WCDMA)

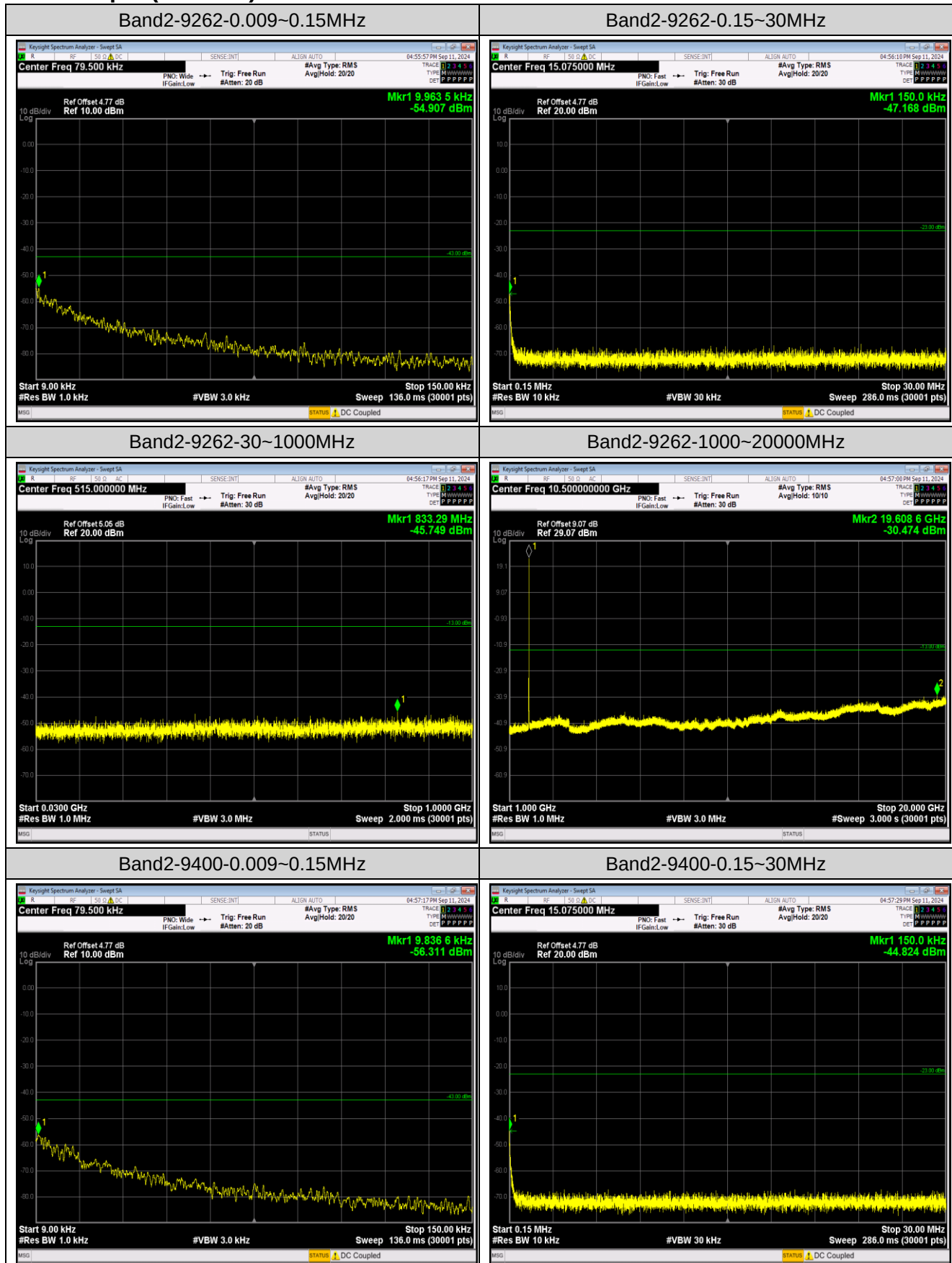


AppendixE:Conducted SpuriousEmission

Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-54.91	-43	PASS
Band2	9262	0.15~30MHz	0.15	-47.17	-23	PASS
Band2	9262	30~1000MHz	833.29	-45.75	-13	PASS
Band2	9262	1000~20000MHz	19608.6	-30.47	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-56.31	-43	PASS
Band2	9400	0.15~30MHz	0.15	-44.82	-23	PASS
Band2	9400	30~1000MHz	781.17	-46.71	-13	PASS
Band2	9400	1000~20000MHz	19949.33	-30.83	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-55.73	-43	PASS
Band2	9538	0.15~30MHz	0.15	-47.35	-23	PASS
Band2	9538	30~1000MHz	765.87	-45.2	-13	PASS
Band2	9538	1000~20000MHz	19930.33	-30.33	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-54.69	-43	PASS
Band4	1312	0.15~30MHz	0.16	-46.81	-23	PASS
Band4	1312	30~1000MHz	934.2	-45.93	-13	PASS
Band4	1312	1000~20000MHz	19953.77	-30.69	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-56.01	-43	PASS
Band4	1413	0.15~30MHz	0.16	-47.12	-23	PASS
Band4	1413	30~1000MHz	963.56	-45.96	-13	PASS
Band4	1413	1000~20000MHz	19916.4	-30.19	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-55.63	-43	PASS
Band4	1513	0.15~30MHz	0.15	-49.92	-23	PASS
Band4	1513	30~1000MHz	842.8	-45.66	-13	PASS
Band4	1513	1000~20000MHz	19969.6	-30.42	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-54.98	-33	PASS
Band5	4132	0.15~30MHz	0.16	-48.24	-13	PASS
Band5	4132	30~1000MHz	967.31	-55.67	-13	PASS
Band5	4132	1000~10000MHz	7629.7	-37.01	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-56.43	-33	PASS
Band5	4183	0.15~30MHz	0.16	-46.41	-13	PASS
Band5	4183	30~1000MHz	723.03	-55.08	-13	PASS
Band5	4183	1000~10000MHz	6017.2	-37.19	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-56.72	-33	PASS
Band5	4233	0.15~30MHz	0.16	-47.27	-13	PASS
Band5	4233	30~1000MHz	538.8	-55.78	-13	PASS
Band5	4233	1000~10000MHz	5997.1	-37.08	-13	PASS

Test Graphs(WCDMA)

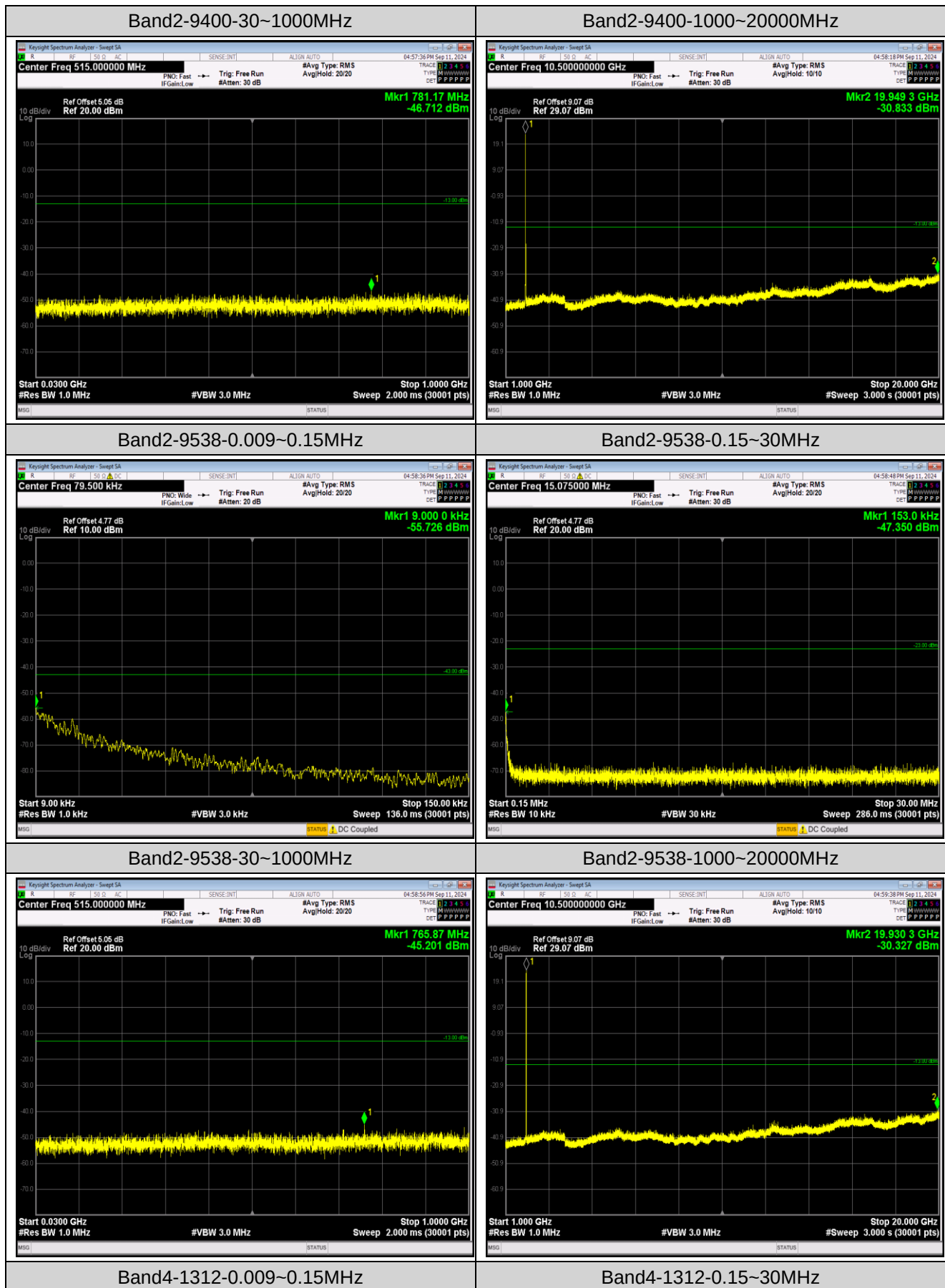


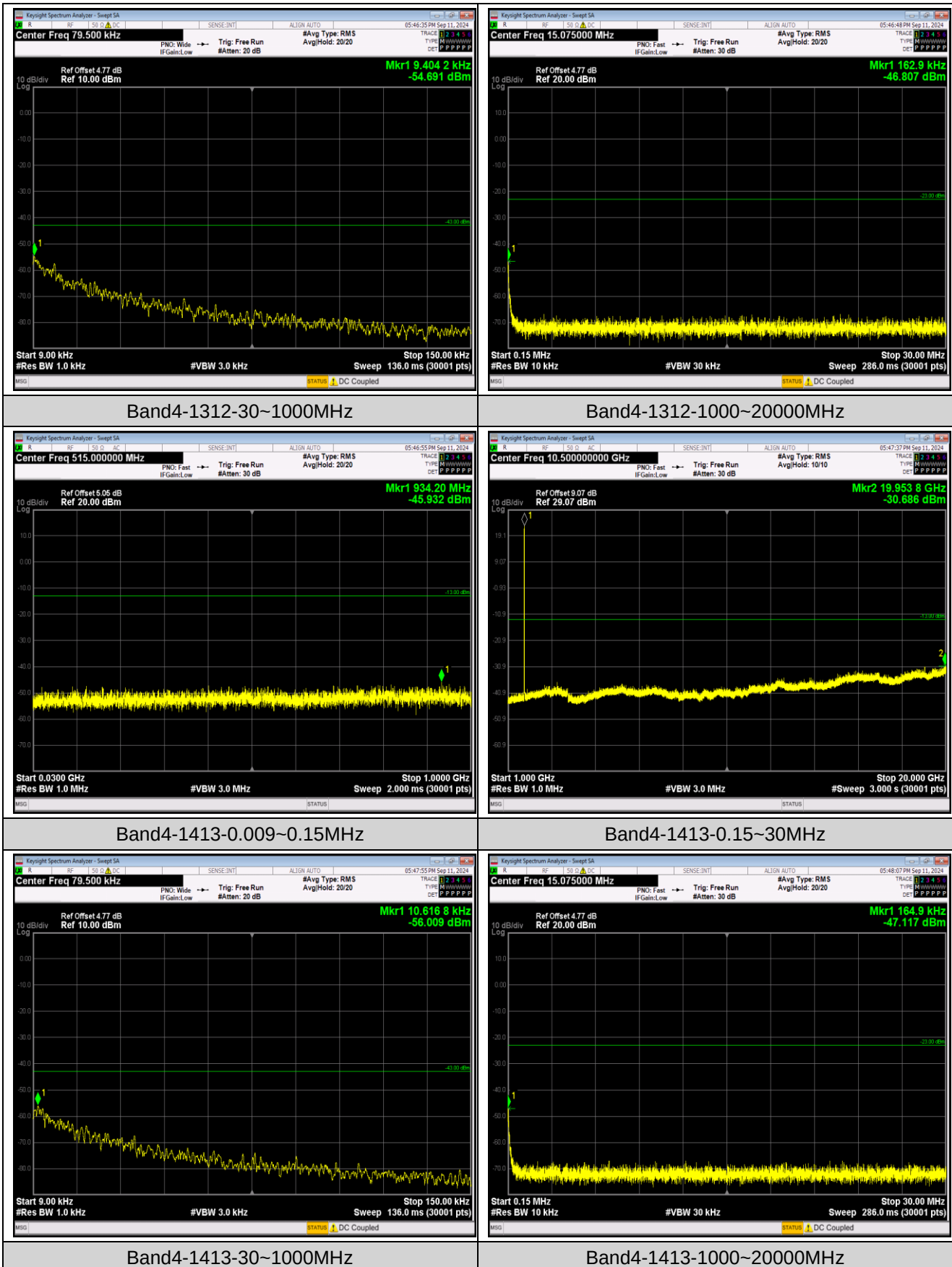
JianYan Testing Group Shenzhen Co., Ltd.

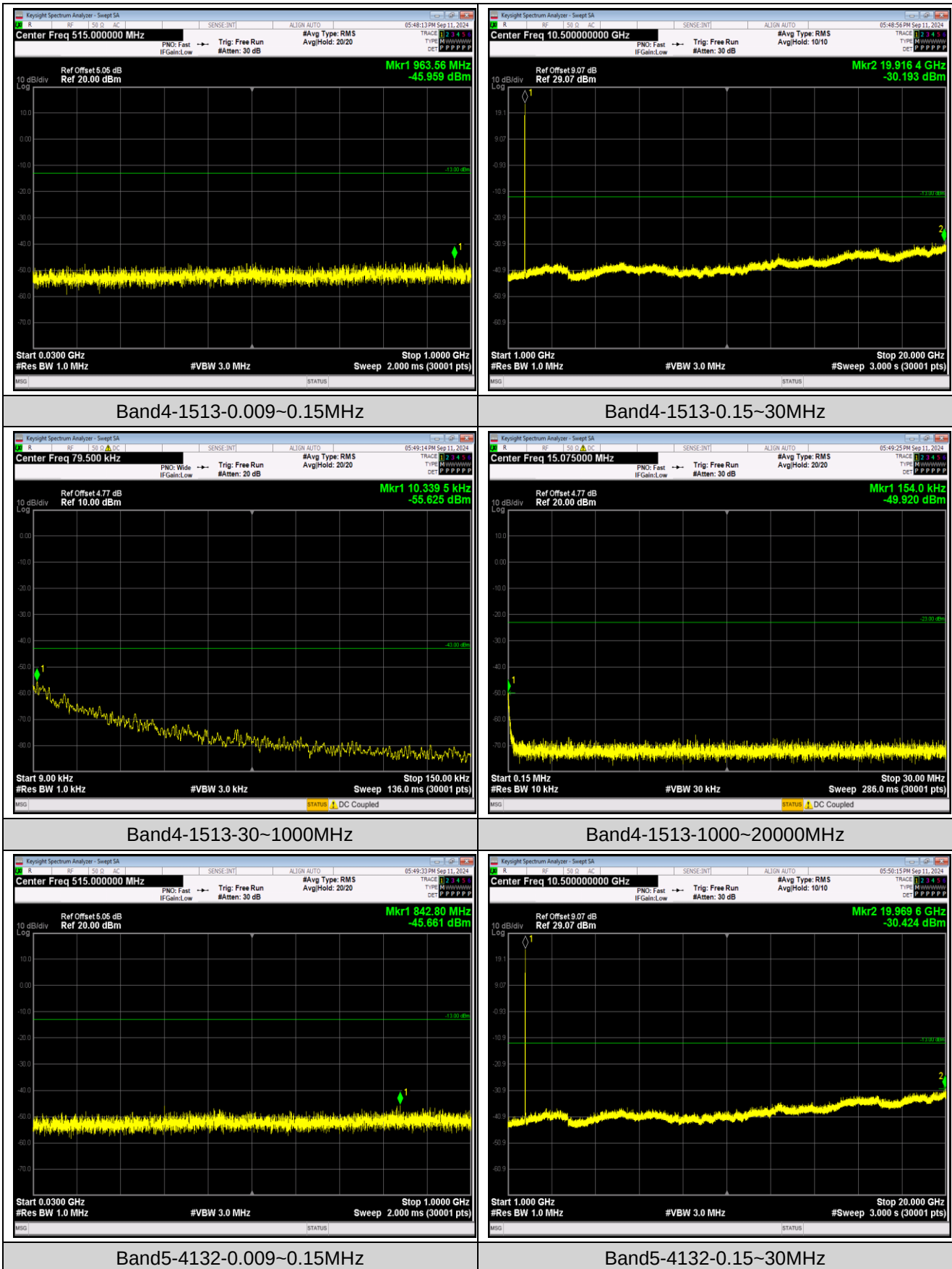
No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

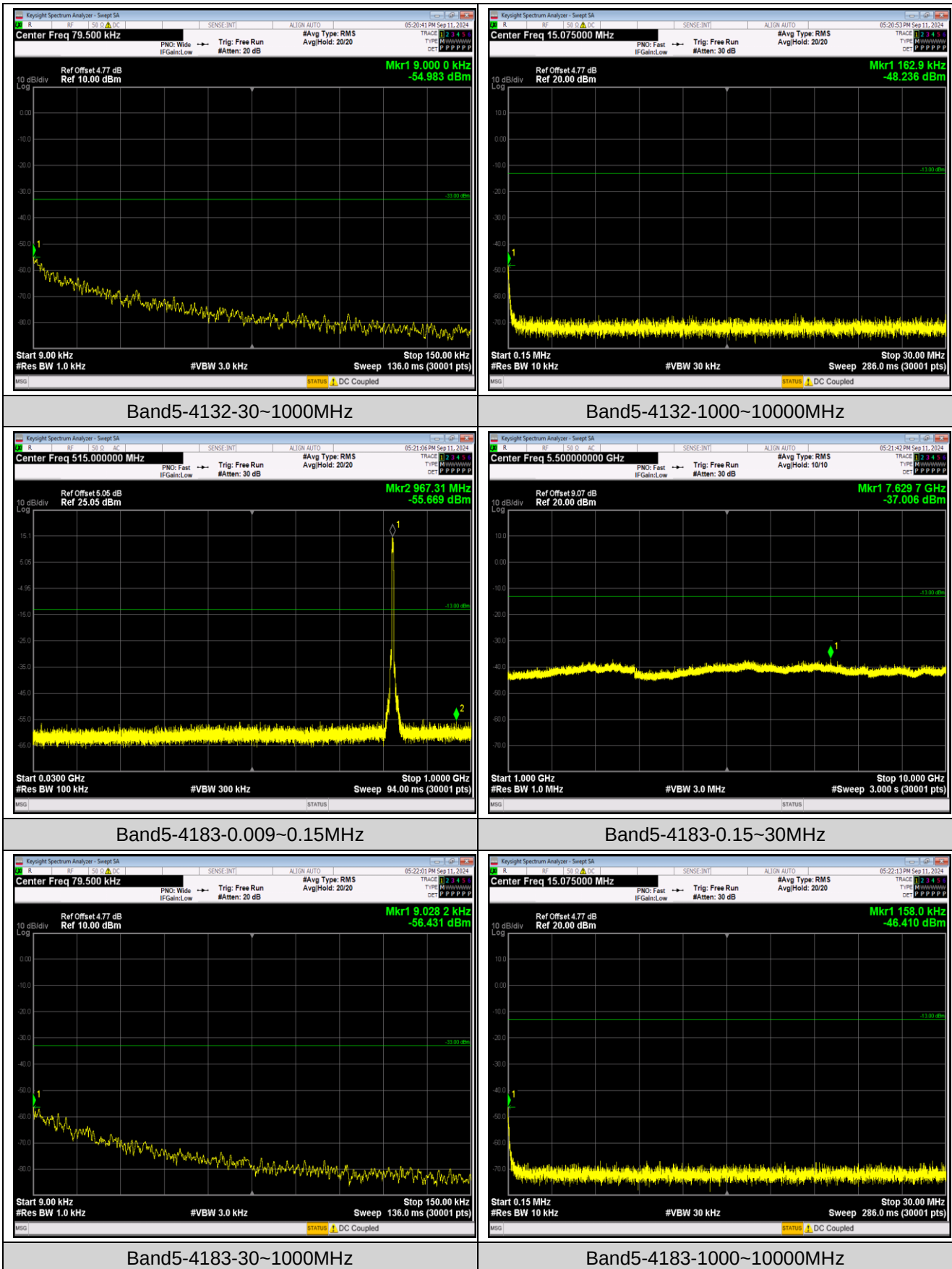
Tel: +86-755-23118282, Fax: +86-755-23116366

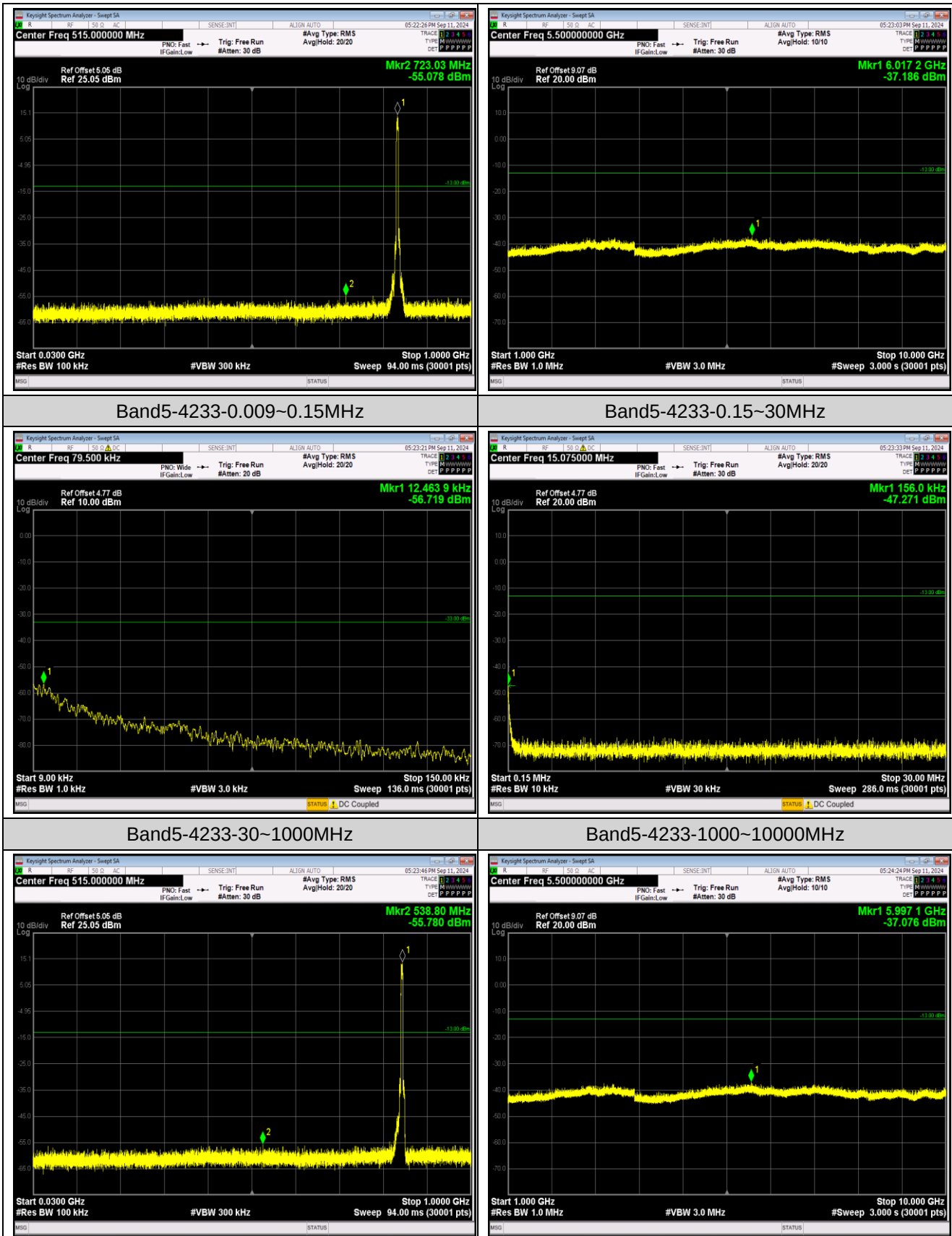
Project No.: JYTSZR2409024











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	-2.69	-0.003215	±2.5	Pass
	-20	-1.57	-0.001877		
	-10	2.10	0.002510		
	0	0.46	0.000550		
	10	0.84	0.001004		
	20	1.49	0.001781		
	30	1.22	0.001458		
	40	0.46	0.000550		
	50	-0.15	-0.000179		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.00	-0.91	-0.001088	±2.5	Pass
	3.87	-0.12	-0.000143		
	4.45	0.16	0.000191		
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	-5.29	-0.003053	Within authorized band for BAND IV	Pass
	-20	5.18	0.002990		
	-10	5.84	0.003371		
	0	3.16	0.001824		
	10	2.04	0.001177		
	20	6.06	0.003498		
	30	-5.66	-0.003267		
	40	1.01	0.000583		
	50	-5.95	-0.003434		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.00	-2.61	-0.001506	Within authorized band for BAND IV	Pass
	3.87	2.03	0.001172		
	4.45	-4.55	-0.002626		
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	-1.35	-0.000718	Within authorized band for BAND II	Pass
	-20	3.98	0.002117		
	-10	7.90	0.004202		
	0	-2.34	-0.001245		
	10	-2.40	-0.001277		
	20	-2.50	-0.001330		
	30	2.67	0.001420		
	40	1.73	0.000920		
	50	3.55	0.001888		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.00	-0.15	-0.000080	Within authorized band for BAND II	Pass
	3.87	4.71	0.002505		
	4.45	4.95	0.002633		
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

