

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	24.01	22.23	33.01	PASS
Band2	TestMode	9262	23.98	22.2	33.01	PASS
Band2	TestMode	9400	24.00	22.22	33.01	PASS
Band2	Voice	9400	23.88	22.1	33.01	PASS
Band2	TestMode	9538	24.15	22.37	33.01	PASS
Band2	Voice	9538	23.93	22.15	33.01	PASS
Band4	Voice	1312	23.54	22.29	30.00	PASS
Band4	TestMode	1312	23.55	22.3	30.00	PASS
Band4	TestMode	1413	24.01	22.76	30.00	PASS
Band4	Voice	1413	23.98	22.73	30.00	PASS
Band4	Voice	1513	24.15	22.9	30.00	PASS
Band4	TestMode	1513	24.17	22.92	30.00	PASS
Band5	TestMode	4132	24.12	16.76	38.45	PASS
Band5	Voice	4132	24.16	16.8	38.45	PASS
Band5	TestMode	4183	24.18	16.82	38.45	PASS
Band5	Voice	4183	24.11	16.75	38.45	PASS
Band5	Voice	4233	24.08	16.72	38.45	PASS
Band5	TestMode	4233	24.31	16.95	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	23.97	22.19	33.01	PASS
Band2	9262	2	23.37	21.59	33.01	PASS
Band2	9262	3	23.37	21.59	33.01	PASS
Band2	9262	4	23.40	21.62	33.01	PASS
Band2	9400	1	23.92	22.14	33.01	PASS
Band2	9400	2	23.31	21.53	33.01	PASS
Band2	9400	3	23.32	21.54	33.01	PASS
Band2	9400	4	23.35	21.57	33.01	PASS
Band2	9538	1	24.06	22.28	33.01	PASS
Band2	9538	2	23.43	21.65	33.01	PASS
Band2	9538	3	23.47	21.69	33.01	PASS
Band2	9538	4	23.48	21.7	33.01	PASS

Band4	1312	1	23.53	22.28	30.00	PASS
Band4	1312	2	23.01	21.76	30.00	PASS
Band4	1312	3	23.05	21.8	30.00	PASS
Band4	1312	4	22.99	21.74	30.00	PASS
Band4	1413	1	24.04	22.79	30.00	PASS
Band4	1413	2	23.45	22.2	30.00	PASS
Band4	1413	3	23.50	22.25	30.00	PASS
Band4	1413	4	23.42	22.17	30.00	PASS
Band4	1513	1	24.23	22.98	30.00	PASS
Band4	1513	2	23.63	22.38	30.00	PASS
Band4	1513	3	23.63	22.38	30.00	PASS
Band4	1513	4	23.57	22.32	30.00	PASS
Band5	4132	1	24.14	16.78	38.5	PASS
Band5	4132	2	23.61	16.25	38.5	PASS
Band5	4132	3	23.60	16.24	38.5	PASS
Band5	4132	4	23.58	16.22	38.5	PASS
Band5	4183	1	24.20	16.84	38.5	PASS
Band5	4183	2	23.64	16.28	38.5	PASS
Band5	4183	3	23.64	16.28	38.5	PASS
Band5	4183	4	23.63	16.27	38.5	PASS
Band5	4233	1	24.28	16.92	38.5	PASS
Band5	4233	2	23.75	16.39	38.5	PASS
Band5	4233	3	23.73	16.37	38.5	PASS
Band5	4233	4	23.73	16.37	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	21.91	20.13	33.01	PASS
Band2	9262	2	22.39	20.61	33.01	PASS
Band2	9262	3	22.94	21.16	33.01	PASS
Band2	9262	4	21.89	20.11	33.01	PASS
Band2	9262	5	23.89	22.11	33.01	PASS
Band2	9400	1	21.88	20.1	33.01	PASS
Band2	9400	2	22.42	20.64	33.01	PASS
Band2	9400	3	22.91	21.13	33.01	PASS
Band2	9400	4	21.89	20.11	33.01	PASS
Band2	9400	5	23.88	22.1	33.01	PASS
Band2	9538	1	21.97	20.19	33.01	PASS
Band2	9538	2	22.49	20.71	33.01	PASS
Band2	9538	3	23.00	21.22	33.01	PASS

Band2	9538	4	22.01	20.23	33.01	PASS
Band2	9538	5	23.96	22.18	33.01	PASS
Band4	1312	1	21.56	20.31	30.00	PASS
Band4	1312	2	22.04	20.79	30.00	PASS
Band4	1312	3	22.56	21.31	30.00	PASS
Band4	1312	4	21.56	20.31	30.00	PASS
Band4	1312	5	23.62	22.37	30.00	PASS
Band4	1413	1	21.97	20.72	30.00	PASS
Band4	1413	2	22.44	21.19	30.00	PASS
Band4	1413	3	23.00	21.75	30.00	PASS
Band4	1413	4	21.97	20.72	30.00	PASS
Band4	1413	5	24.01	22.76	30.00	PASS
Band4	1513	1	22.12	20.87	30.00	PASS
Band4	1513	2	22.65	21.4	30.00	PASS
Band4	1513	3	23.12	21.87	30.00	PASS
Band4	1513	4	22.17	20.92	30.00	PASS
Band4	1513	5	24.15	22.9	30.00	PASS
Band5	4132	1	22.13	14.77	38.5	PASS
Band5	4132	2	22.62	15.26	38.5	PASS
Band5	4132	3	23.16	15.8	38.5	PASS
Band5	4132	4	22.15	14.79	38.5	PASS
Band5	4132	5	24.18	16.82	38.5	PASS
Band5	4183	1	22.19	14.83	38.5	PASS
Band5	4183	2	22.68	15.32	38.5	PASS
Band5	4183	3	23.20	15.84	38.5	PASS
Band5	4183	4	22.21	14.85	38.5	PASS
Band5	4183	5	24.22	16.86	38.5	PASS
Band5	4233	1	22.28	14.92	38.5	PASS
Band5	4233	2	22.79	15.43	38.5	PASS
Band5	4233	3	23.30	15.94	38.5	PASS
Band5	4233	4	22.32	14.96	38.5	PASS
Band5	4233	5	24.28	16.92	38.5	PASS

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

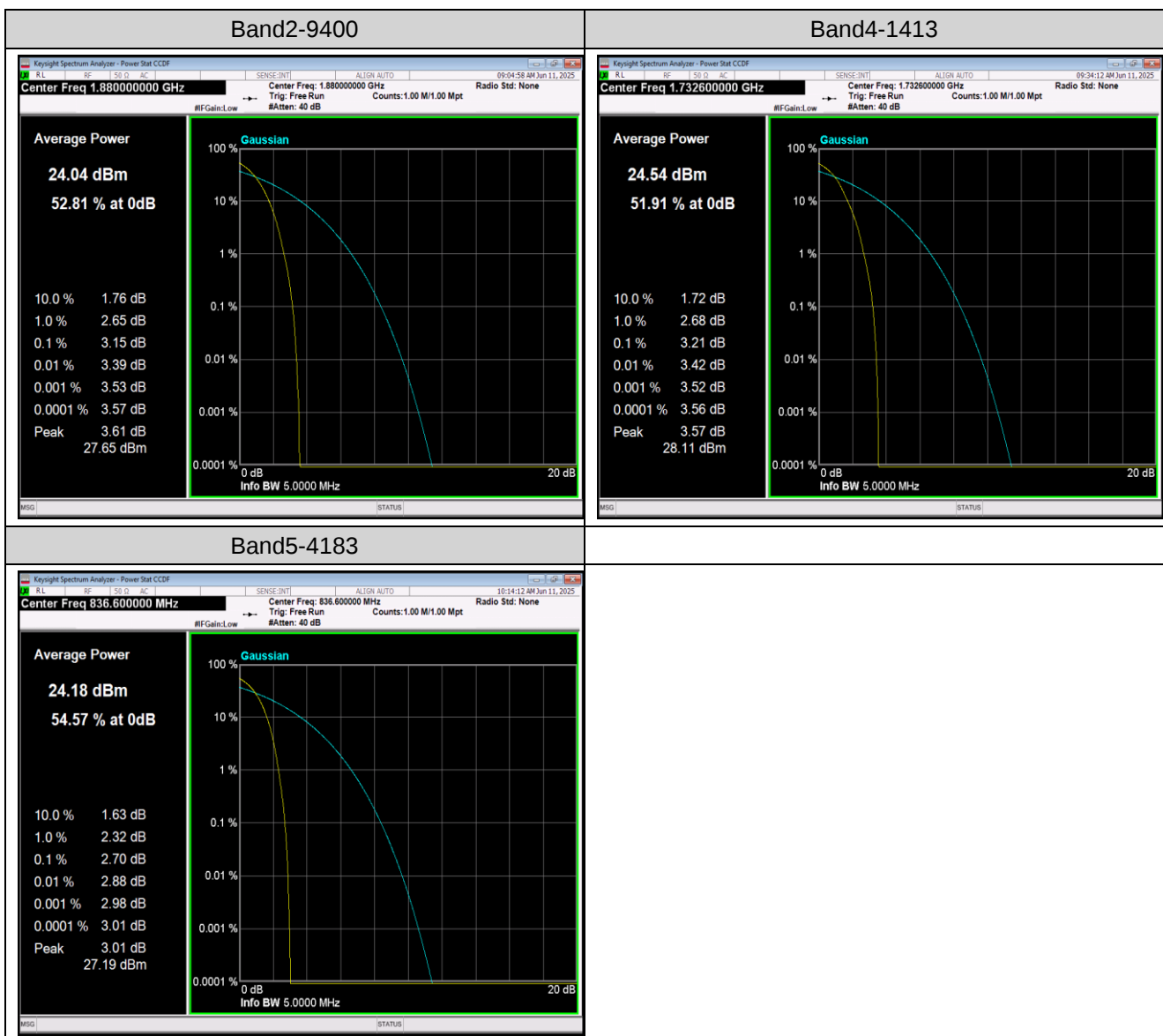
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.15	13	PASS
Band4	1413	3.21	13	PASS
Band5	4183	2.7	13	PASS

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

Test Graphs(WCDMA)

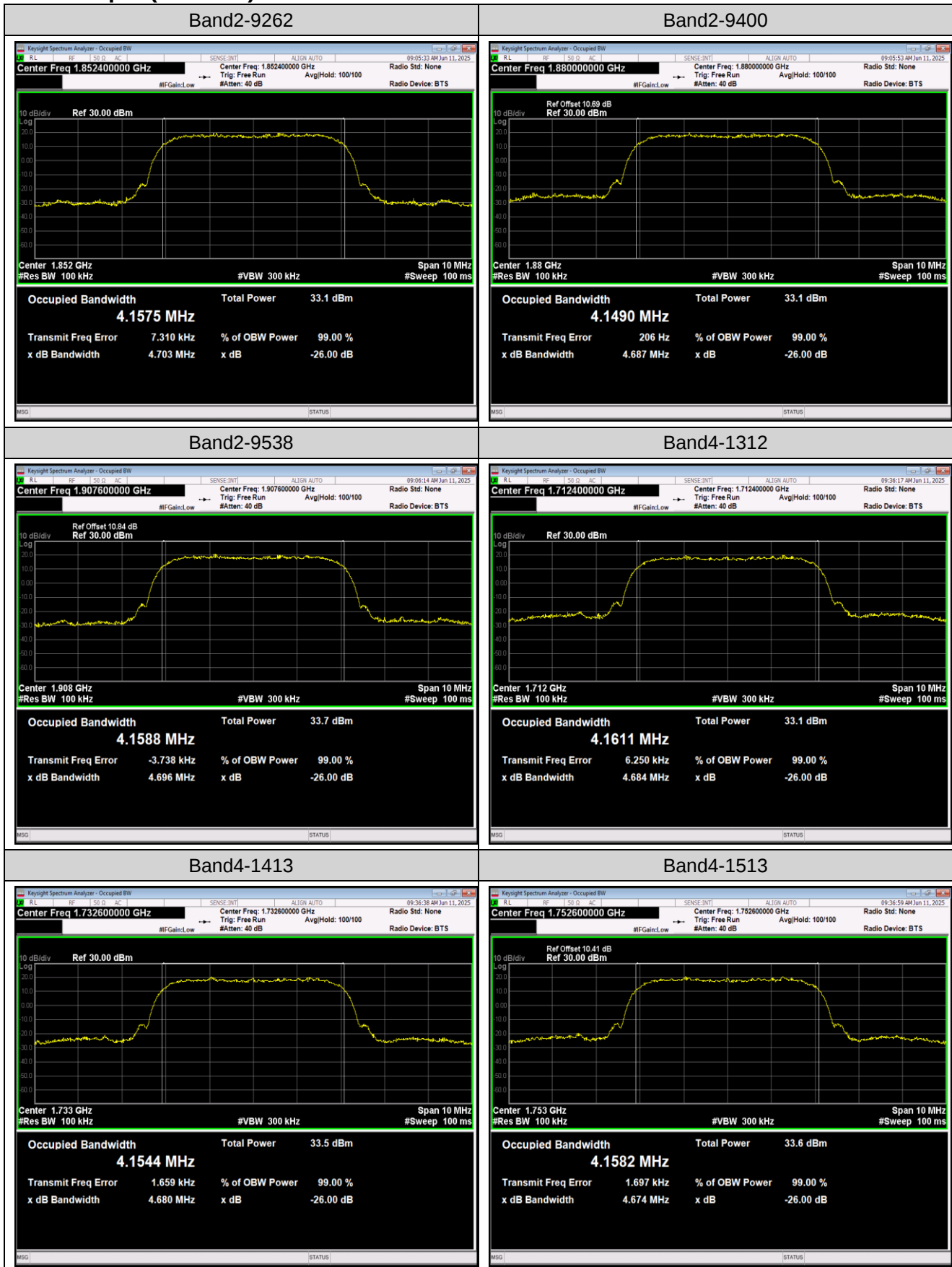


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1575	4.703	---	PASS
Band2	9400	4.1490	4.687	---	PASS
Band2	9538	4.1588	4.696	---	PASS
Band4	1312	4.1611	4.684	---	PASS
Band4	1413	4.1544	4.680	---	PASS
Band4	1513	4.1582	4.674	---	PASS
Band5	4132	4.1525	4.695	---	PASS
Band5	4183	4.1581	4.718	---	PASS
Band5	4233	4.1559	4.698	---	PASS

Test Graphs(WCDMA)



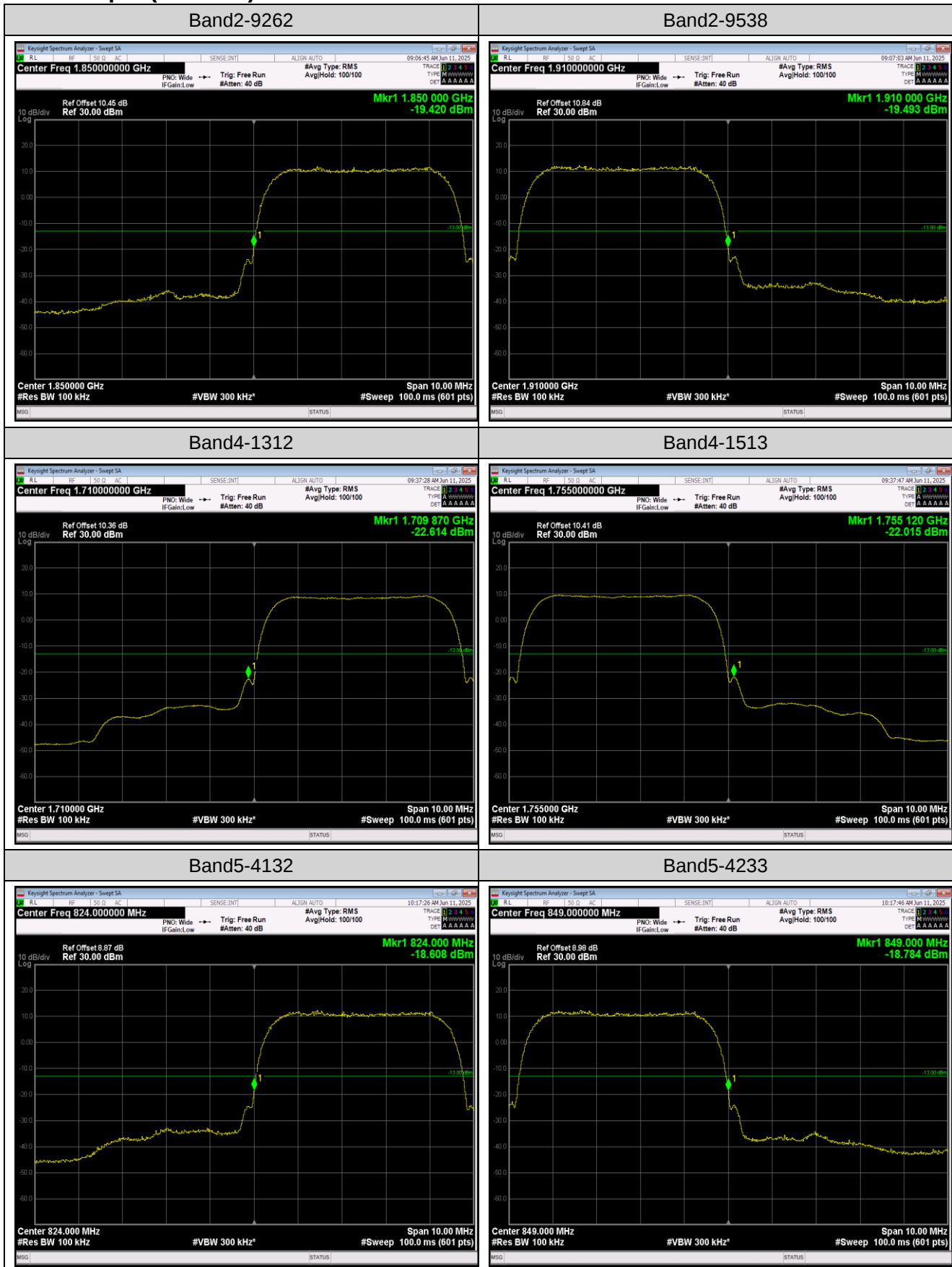


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-19.42	-13	PASS
Band2	9538	1910.00	-19.49	-13	PASS
Band4	1312	1709.87	-22.61	-13	PASS
Band4	1513	1755.12	-22.01	-13	PASS
Band5	4132	824.00	-18.61	-13	PASS
Band5	4233	849.00	-18.78	-13	PASS

Test Graphs(WCDMA)

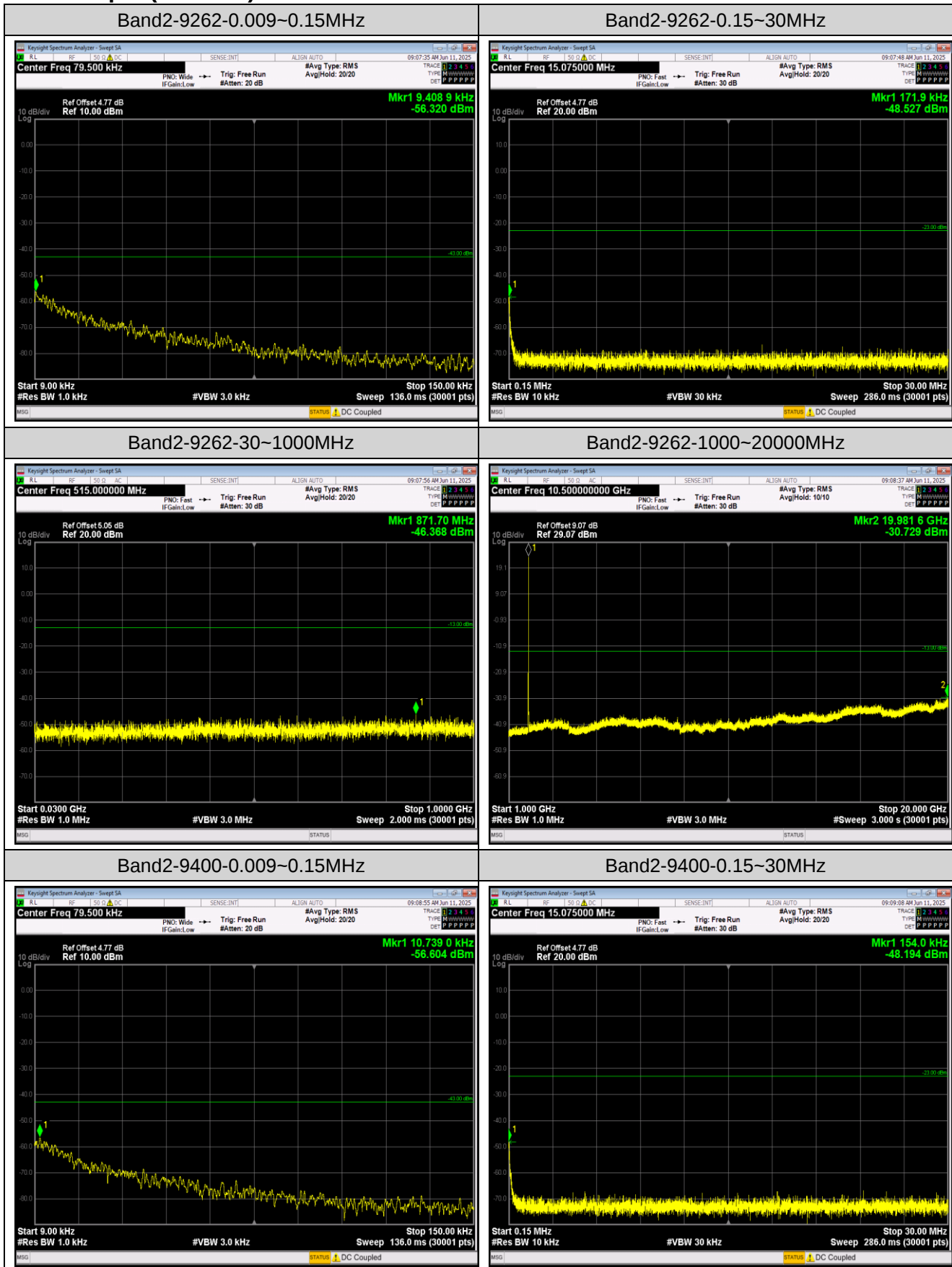


AppendixE:Conducted SpuriousEmission

Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-56.32	-43	PASS
Band2	9262	0.15~30MHz	0.17	-48.53	-23	PASS
Band2	9262	30~1000MHz	871.7	-46.37	-13	PASS
Band2	9262	1000~20000MHz	19981.63	-30.73	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-56.6	-43	PASS
Band2	9400	0.15~30MHz	0.15	-48.19	-23	PASS
Band2	9400	30~1000MHz	737.74	-45.8	-13	PASS
Band2	9400	1000~20000MHz	19984.8	-30.92	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-55.43	-43	PASS
Band2	9538	0.15~30MHz	0.16	-48.63	-23	PASS
Band2	9538	30~1000MHz	422.46	-45.71	-13	PASS
Band2	9538	1000~20000MHz	19960.73	-30.81	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-54.3	-43	PASS
Band4	1312	0.15~30MHz	0.15	-47.88	-23	PASS
Band4	1312	30~1000MHz	914.03	-45.53	-13	PASS
Band4	1312	1000~20000MHz	19937.93	-30.5	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-56.18	-43	PASS
Band4	1413	0.15~30MHz	0.16	-45.2	-23	PASS
Band4	1413	30~1000MHz	782.43	-45.1	-13	PASS
Band4	1413	1000~20000MHz	19971.5	-30.51	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-54.74	-43	PASS
Band4	1513	0.15~30MHz	0.15	-47.06	-23	PASS
Band4	1513	30~1000MHz	817.19	-44.39	-13	PASS
Band4	1513	1000~20000MHz	19884.1	-29.92	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-55.54	-33	PASS
Band5	4132	0.15~30MHz	0.15	-47.33	-13	PASS
Band5	4132	30~1000MHz	938.21	-54.66	-13	PASS
Band5	4132	1000~10000MHz	3066.1	-37.12	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-54.51	-33	PASS
Band5	4183	0.15~30MHz	0.16	-45.35	-13	PASS
Band5	4183	30~1000MHz	978.63	-54.38	-13	PASS
Band5	4183	1000~10000MHz	5767.9	-36.95	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-56.44	-33	PASS
Band5	4233	0.15~30MHz	0.15	-46.34	-13	PASS
Band5	4233	30~1000MHz	278.9	-54.26	-13	PASS
Band5	4233	1000~10000MHz	5442.4	-36.44	-13	PASS

Test Graphs(WCDMA)

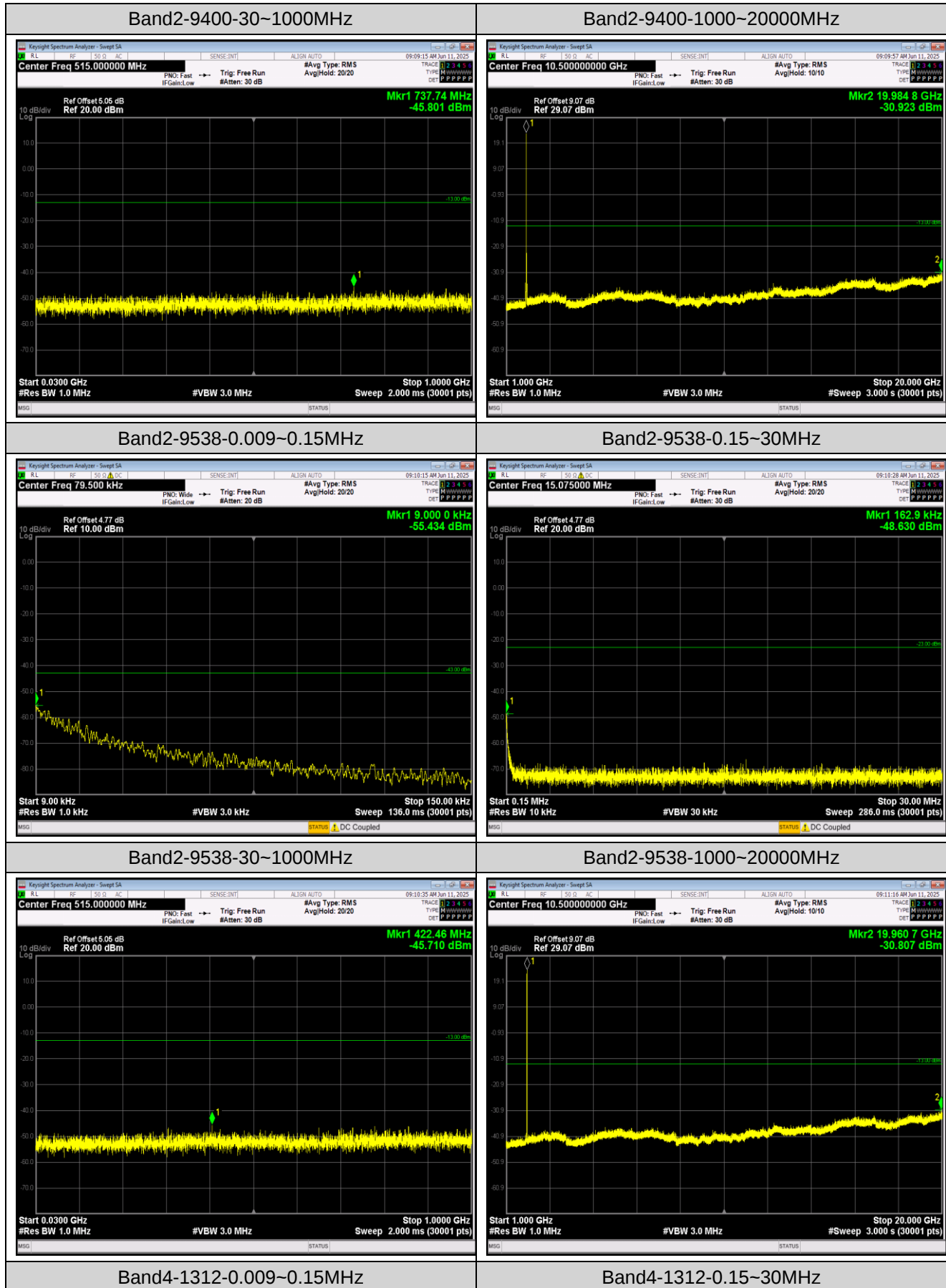


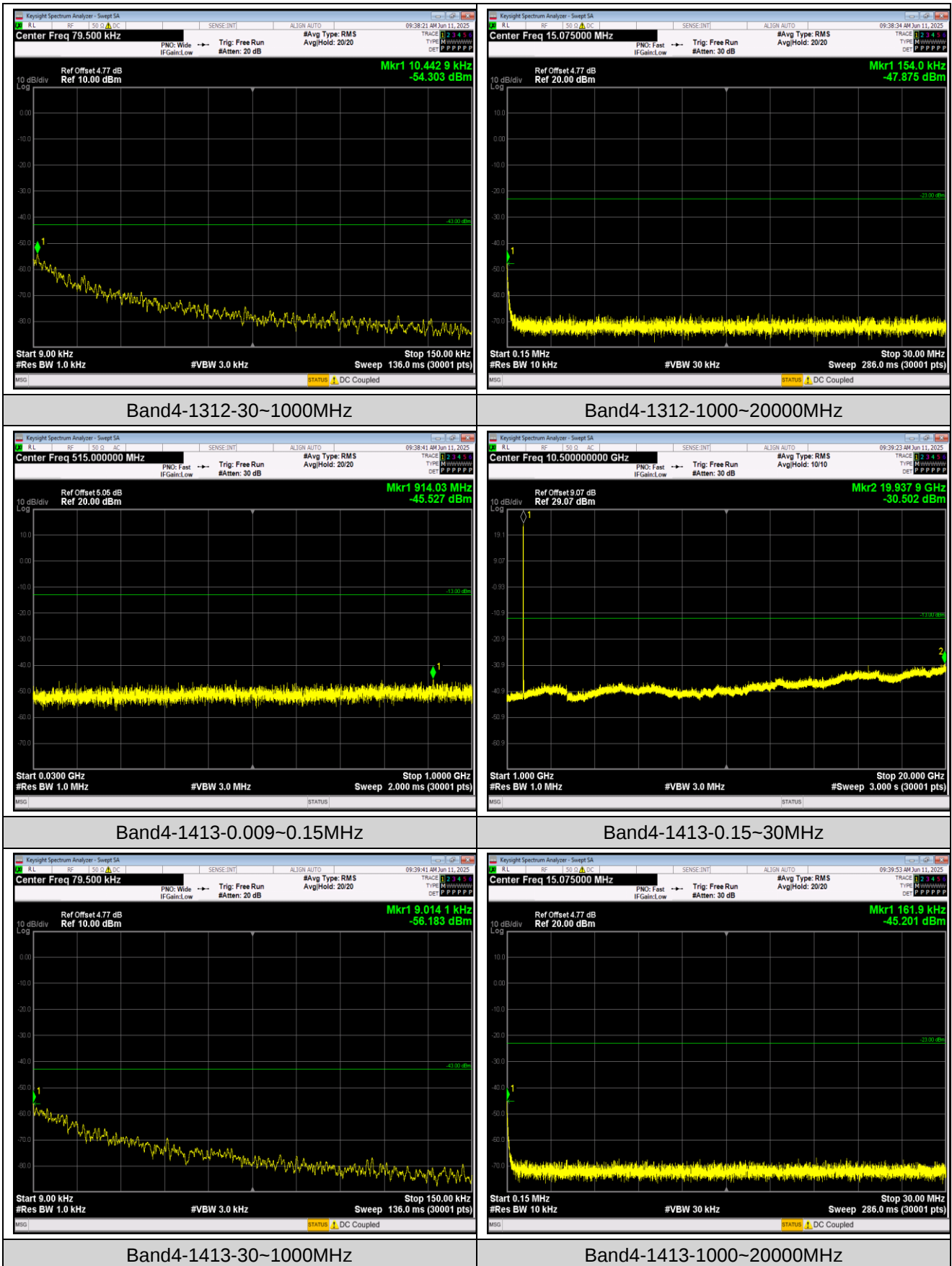
JianYan Testing Group Shenzhen Co., Ltd.

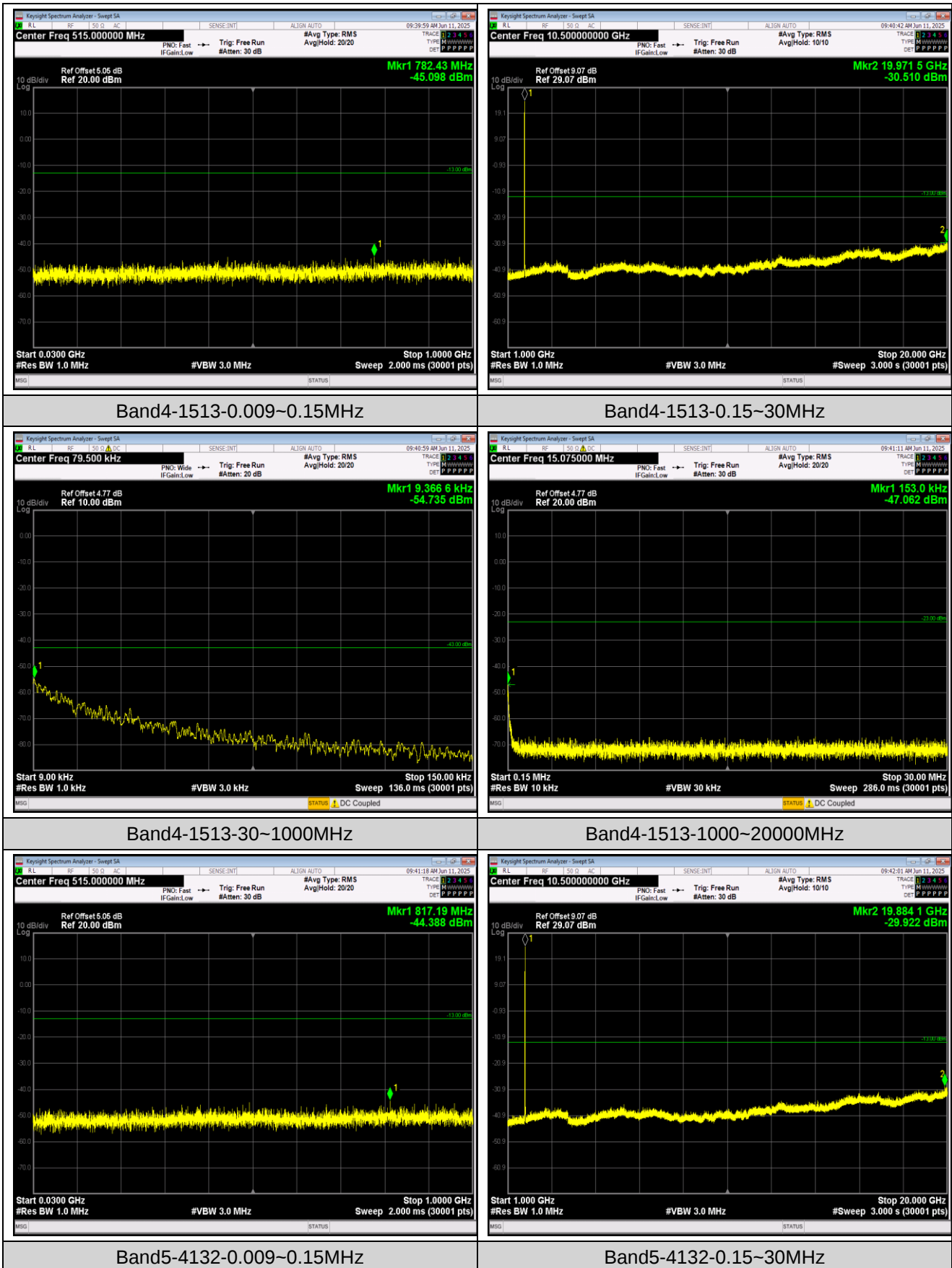
No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

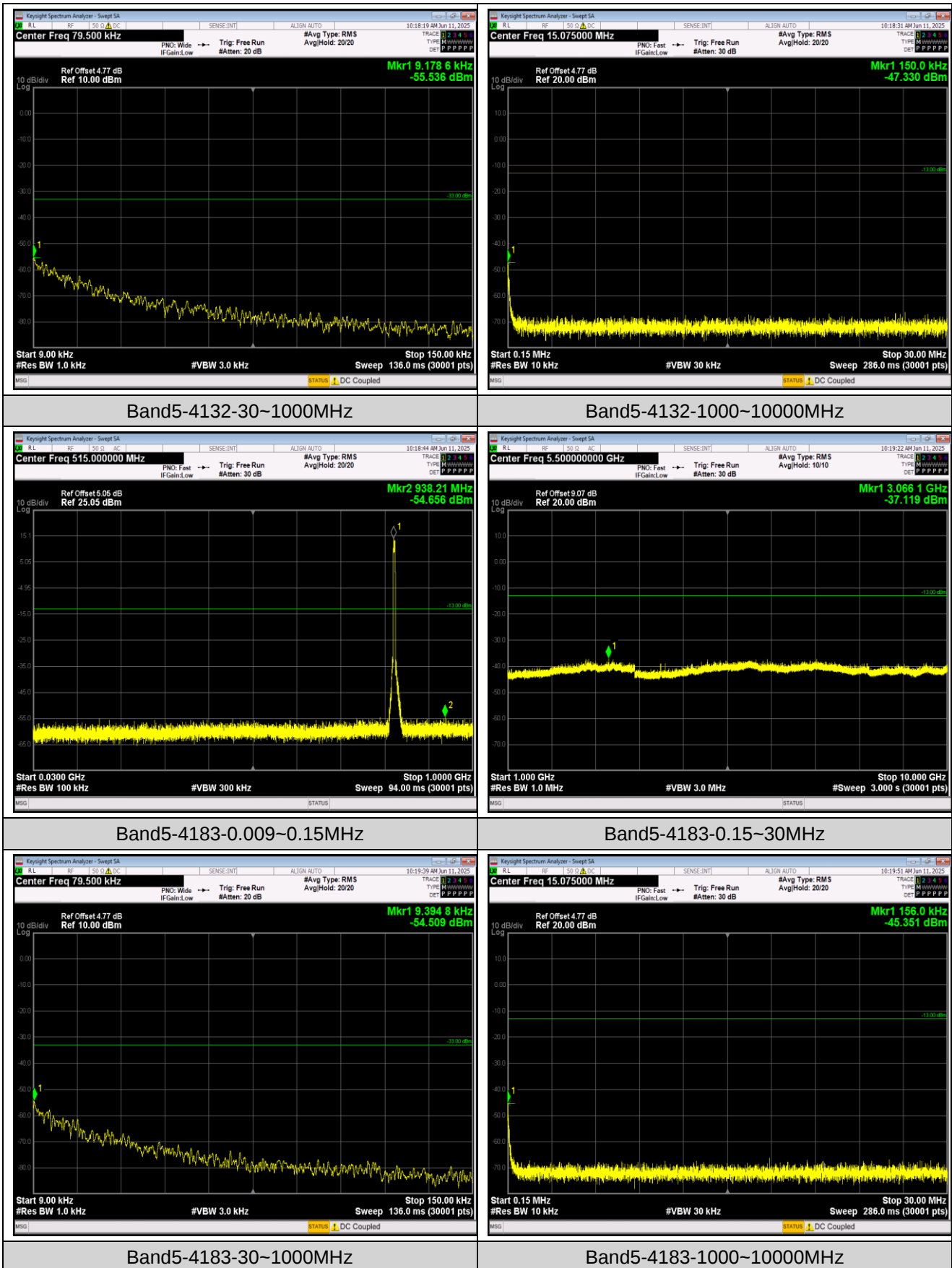
Tel: +86-755-23118282, Fax: +86-755-23116366

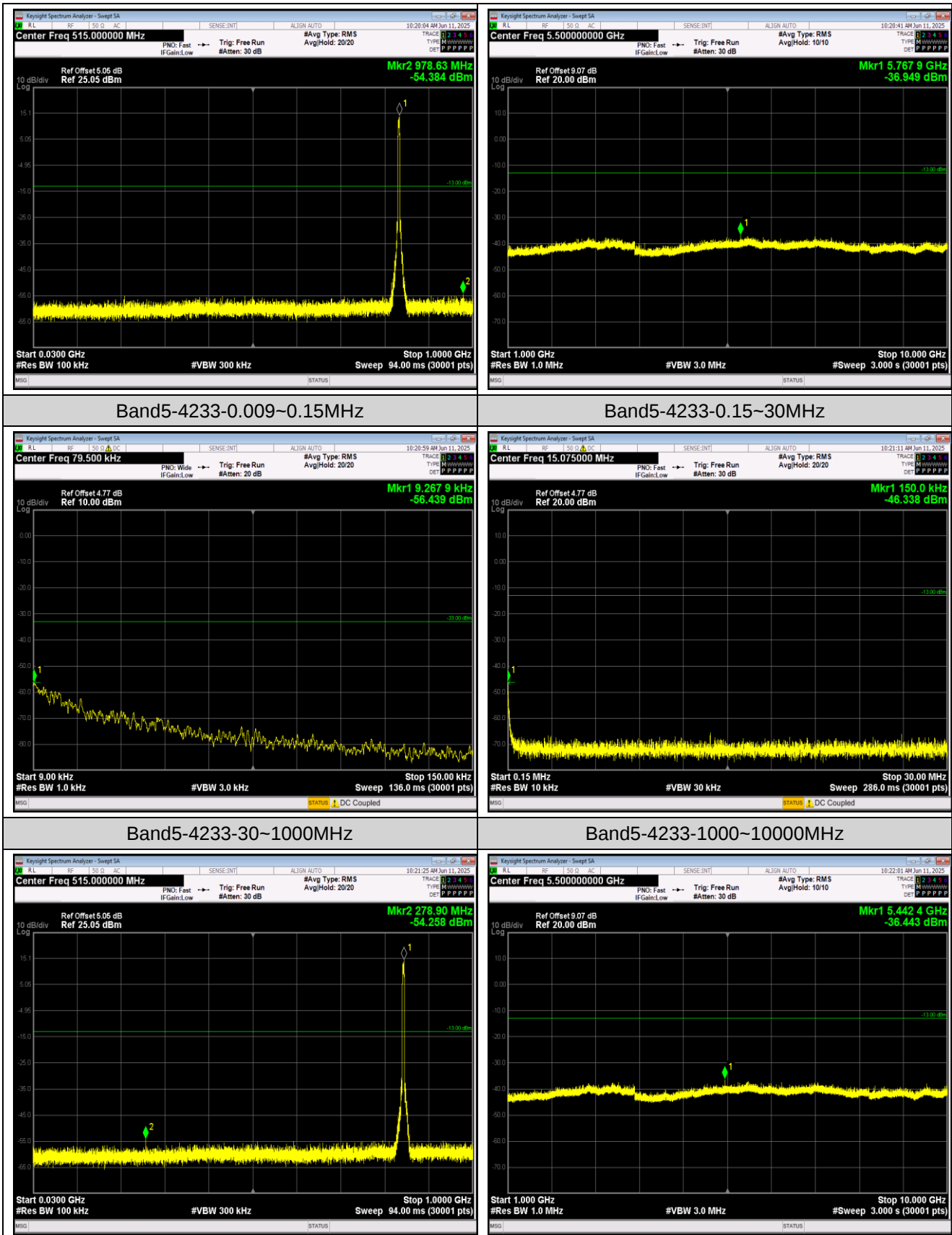
Project No.: JYTSZR2506004











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		
3.92	-30	-1.86	-0.002223	±2.5	Pass
	-20	-4.30	-0.005140		
	-10	-3.86	-0.004614		
	0	-3.23	-0.003861		
	10	-2.03	-0.002426		
	20	-4.13	-0.004937		
	30	-2.70	-0.003227		
	40	-2.85	-0.003407		
	50	-2.85	-0.003407		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-4.11	-0.004913	±2.5	Pass
	3.92	-4.13	-0.004937		
	4.53	-3.90	-0.004662		
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		
3.92	-30	-1.68	-0.000970	Within authorized band for BAND IV	Pass
	-20	-6.07	-0.003503		
	-10	-5.74	-0.003313		
	0	-3.05	-0.001760		
	10	-3.87	-0.002234		
	20	-3.04	-0.001755		
	30	-1.68	-0.000970		
	40	-1.39	-0.000802		
	50	-4.64	-0.002678		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-3.34	-0.001928	Within authorized band for BAND IV	Pass
	3.92	-3.70	-0.002136		
	4.53	-0.74	-0.000427		
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		
3.92	-30	-2.91	-0.001548	Within authorized band for BAND II	Pass
	-20	-4.14	-0.002202		
	-10	-2.53	-0.001346		
	0	-3.49	-0.001856		
	10	-0.41	-0.000218		
	20	0.11	0.000059		
	30	-0.16	-0.000085		
	40	-1.89	-0.001005		
	50	-2.66	-0.001415		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-1.03	-0.000548	Within authorized band for BAND II	Pass
	3.92	-3.00	-0.001596		
	4.53	-1.78	-0.000947		
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

