

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	23.50	19.5	33.01	PASS
Band2	TestMode	9262	23.64	19.64	33.01	PASS
Band2	TestMode	9400	23.47	19.47	33.01	PASS
Band2	Voice	9400	23.36	19.36	33.01	PASS
Band2	TestMode	9538	23.83	19.83	33.01	PASS
Band2	Voice	9538	23.80	19.8	33.01	PASS
Band4	Voice	1312	22.67	18.67	30.00	PASS
Band4	TestMode	1312	22.74	18.74	30.00	PASS
Band4	Voice	1413	22.67	18.67	30.00	PASS
Band4	TestMode	1413	22.80	18.8	30.00	PASS
Band4	TestMode	1513	22.72	18.72	30.00	PASS
Band4	Voice	1513	22.68	18.68	30.00	PASS
Band5	Voice	4132	24.43	17.28	38.45	PASS
Band5	TestMode	4132	24.41	17.26	38.45	PASS
Band5	TestMode	4183	24.57	17.42	38.45	PASS
Band5	Voice	4183	24.56	17.41	38.45	PASS
Band5	Voice	4233	24.57	17.42	38.45	PASS
Band5	TestMode	4233	24.53	17.38	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	23.44	19.44	33.01	PASS
Band2	9262	2	23.07	19.07	33.01	PASS
Band2	9262	3	23.11	19.11	33.01	PASS
Band2	9262	4	23.15	19.15	33.01	PASS
Band2	9400	1	23.36	19.36	33.01	PASS
Band2	9400	2	22.94	18.94	33.01	PASS
Band2	9400	3	23.10	19.1	33.01	PASS
Band2	9400	4	23.11	19.11	33.01	PASS
Band2	9538	1	23.77	19.77	33.01	PASS
Band2	9538	2	23.24	19.24	33.01	PASS
Band2	9538	3	23.35	19.35	33.01	PASS
Band2	9538	4	23.34	19.34	33.01	PASS

Band4	1312	1	22.77	18.77	30.00	PASS
Band4	1312	2	22.21	18.21	30.00	PASS
Band4	1312	3	22.20	18.2	30.00	PASS
Band4	1312	4	22.17	18.17	30.00	PASS
Band4	1413	1	22.80	18.8	30.00	PASS
Band4	1413	2	22.29	18.29	30.00	PASS
Band4	1413	3	22.33	18.33	30.00	PASS
Band4	1413	4	22.26	18.26	30.00	PASS
Band4	1513	1	22.73	18.73	30.00	PASS
Band4	1513	2	22.21	18.21	30.00	PASS
Band4	1513	3	22.19	18.19	30.00	PASS
Band4	1513	4	22.17	18.17	30.00	PASS
Band5	4132	1	23.48	16.33	38.5	PASS
Band5	4132	2	22.92	15.77	38.5	PASS
Band5	4132	3	22.91	15.76	38.5	PASS
Band5	4132	4	22.88	15.73	38.5	PASS
Band5	4183	1	23.60	16.45	38.5	PASS
Band5	4183	2	23.03	15.88	38.5	PASS
Band5	4183	3	23.01	15.86	38.5	PASS
Band5	4183	4	23.03	15.88	38.5	PASS
Band5	4233	1	23.59	16.44	38.5	PASS
Band5	4233	2	23.02	15.87	38.5	PASS
Band5	4233	3	23.02	15.87	38.5	PASS
Band5	4233	4	23.00	15.85	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	21.61	17.61	33.01	PASS
Band2	9262	2	22.11	18.11	33.01	PASS
Band2	9262	3	22.58	18.58	33.01	PASS
Band2	9262	4	21.67	17.67	33.01	PASS
Band2	9262	5	23.59	19.59	33.01	PASS
Band2	9400	1	21.65	17.65	33.01	PASS
Band2	9400	2	22.10	18.1	33.01	PASS
Band2	9400	3	22.58	18.58	33.01	PASS
Band2	9400	4	21.62	17.62	33.01	PASS
Band2	9400	5	23.62	19.62	33.01	PASS
Band2	9538	1	22.10	18.1	33.01	PASS
Band2	9538	2	22.49	18.49	33.01	PASS
Band2	9538	3	22.98	18.98	33.01	PASS

Band2	9538	4	22.04	18.04	33.01	PASS
Band2	9538	5	24.07	20.07	33.01	PASS
Band4	1312	1	20.72	16.72	30.00	PASS
Band4	1312	2	21.19	17.19	30.00	PASS
Band4	1312	3	21.72	17.72	30.00	PASS
Band4	1312	4	20.72	16.72	30.00	PASS
Band4	1312	5	22.72	18.72	30.00	PASS
Band4	1413	1	20.81	16.81	30.00	PASS
Band4	1413	2	21.33	17.33	30.00	PASS
Band4	1413	3	21.81	17.81	30.00	PASS
Band4	1413	4	20.84	16.84	30.00	PASS
Band4	1413	5	22.79	18.79	30.00	PASS
Band4	1513	1	20.72	16.72	30.00	PASS
Band4	1513	2	21.22	17.22	30.00	PASS
Band4	1513	3	21.73	17.73	30.00	PASS
Band4	1513	4	20.77	16.77	30.00	PASS
Band4	1513	5	22.67	18.67	30.00	PASS
Band5	4132	1	21.49	14.34	38.5	PASS
Band5	4132	2	22.00	14.85	38.5	PASS
Band5	4132	3	22.51	15.36	38.5	PASS
Band5	4132	4	21.55	14.4	38.5	PASS
Band5	4132	5	23.48	16.33	38.5	PASS
Band5	4183	1	21.64	14.49	38.5	PASS
Band5	4183	2	22.14	14.99	38.5	PASS
Band5	4183	3	22.67	15.52	38.5	PASS
Band5	4183	4	21.68	14.53	38.5	PASS
Band5	4183	5	23.64	16.49	38.5	PASS
Band5	4233	1	21.60	14.45	38.5	PASS
Band5	4233	2	22.13	14.98	38.5	PASS
Band5	4233	3	22.58	15.43	38.5	PASS
Band5	4233	4	21.64	14.49	38.5	PASS
Band5	4233	5	23.60	16.45	38.5	PASS

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

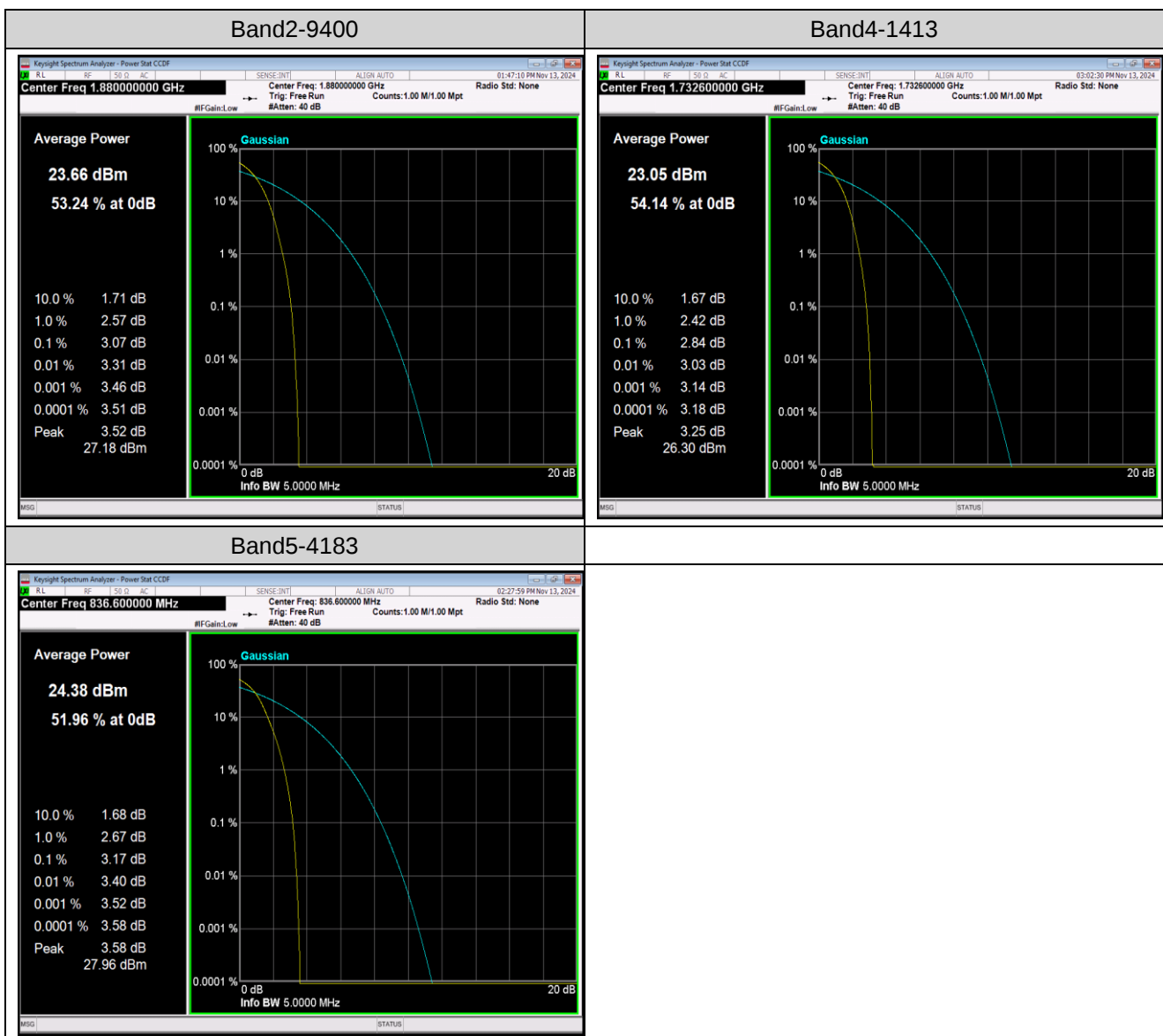
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.07	13	PASS
Band4	1413	2.84	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	4.1640	4.700	---	PASS
Band2	9400	4.1564	4.694	---	PASS
Band2	9538	4.1644	4.701	---	PASS
Band4	1312	4.1700	4.800	---	PASS
Band4	1413	4.1782	4.704	---	PASS
Band4	1513	4.1673	4.698	---	PASS
Band5	4132	4.1791	4.709	---	PASS
Band5	4183	4.1734	4.702	---	PASS
Band5	4233	4.1720	4.697	---	PASS

Test Graphs(WCDMA)



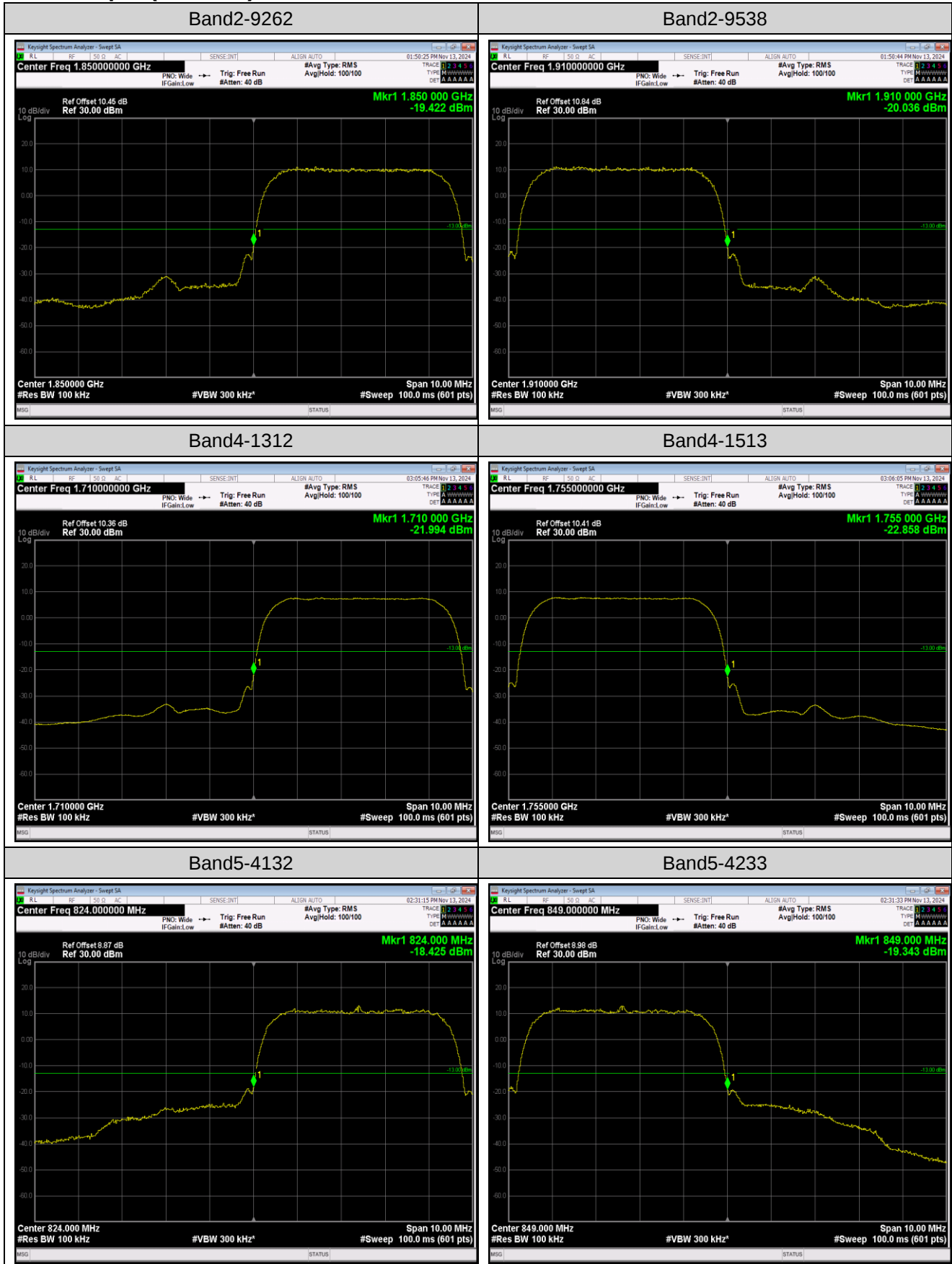


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-19.42	-13	PASS
Band2	9538	1910.00	-20.04	-13	PASS
Band4	1312	1710.00	-21.99	-13	PASS
Band4	1513	1755.00	-22.86	-13	PASS
Band5	4132	824.00	-18.43	-13	PASS
Band5	4233	849.00	-19.34	-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

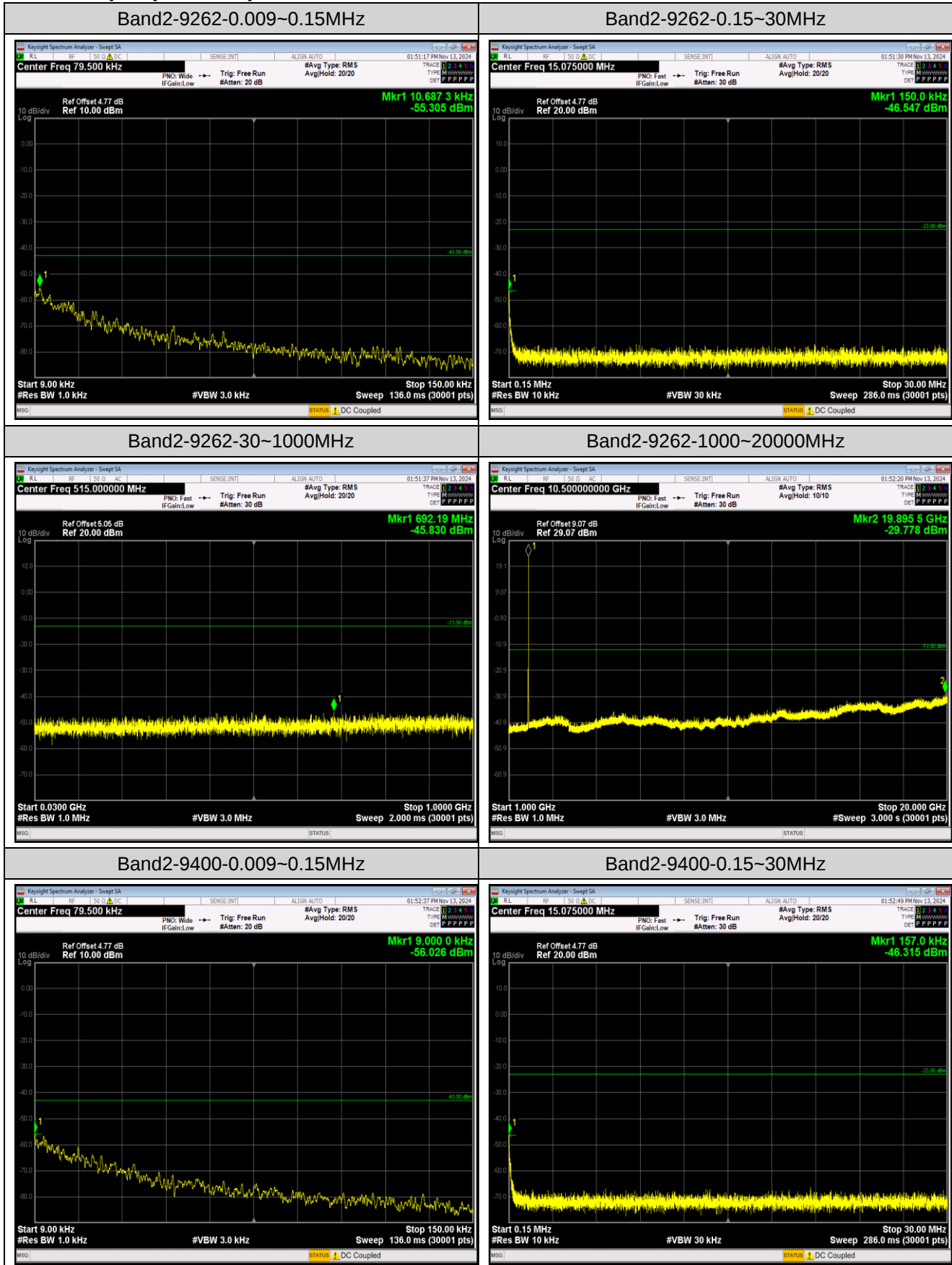
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AppendixE:Conducted SpuriousEmission

Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-55.31	-43	PASS
Band2	9262	0.15~30MHz	0.15	-46.55	-23	PASS
Band2	9262	30~1000MHz	692.19	-45.83	-13	PASS
Band2	9262	1000~20000MHz	19895.5	-29.78	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-56.03	-43	PASS
Band2	9400	0.15~30MHz	0.16	-46.32	-23	PASS
Band2	9400	30~1000MHz	796.62	-45.06	-13	PASS
Band2	9400	1000~20000MHz	19949.97	-30.09	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-56.14	-43	PASS
Band2	9538	0.15~30MHz	0.15	-48.42	-23	PASS
Band2	9538	30~1000MHz	863.88	-44.52	-13	PASS
Band2	9538	1000~20000MHz	19967.7	-30.58	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-55.11	-43	PASS
Band4	1312	0.15~30MHz	0.15	-48.26	-23	PASS
Band4	1312	30~1000MHz	800.28	-45.26	-13	PASS
Band4	1312	1000~20000MHz	19958.2	-30.17	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-55.77	-43	PASS
Band4	1413	0.15~30MHz	0.16	-46.53	-23	PASS
Band4	1413	30~1000MHz	826.5	-44.9	-13	PASS
Band4	1413	1000~20000MHz	19865.1	-30.78	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-55.32	-43	PASS
Band4	1513	0.15~30MHz	0.15	-48.01	-23	PASS
Band4	1513	30~1000MHz	684.27	-44.85	-13	PASS
Band4	1513	1000~20000MHz	19996.2	-30.73	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-56.41	-33	PASS
Band5	4132	0.15~30MHz	0.15	-45.93	-13	PASS
Band5	4132	30~1000MHz	932.39	-54.32	-13	PASS
Band5	4132	1000~10000MHz	6008.2	-37.22	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-55.37	-33	PASS
Band5	4183	0.15~30MHz	0.15	-46.23	-13	PASS
Band5	4183	30~1000MHz	971.97	-54.16	-13	PASS
Band5	4183	1000~10000MHz	5878.3	-36.9	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-55.47	-33	PASS
Band5	4233	0.15~30MHz	0.15	-43.72	-13	PASS
Band5	4233	30~1000MHz	970.48	-54.91	-13	PASS
Band5	4233	1000~10000MHz	5939.8	-37.12	-13	PASS

Test Graphs(WCDMA)

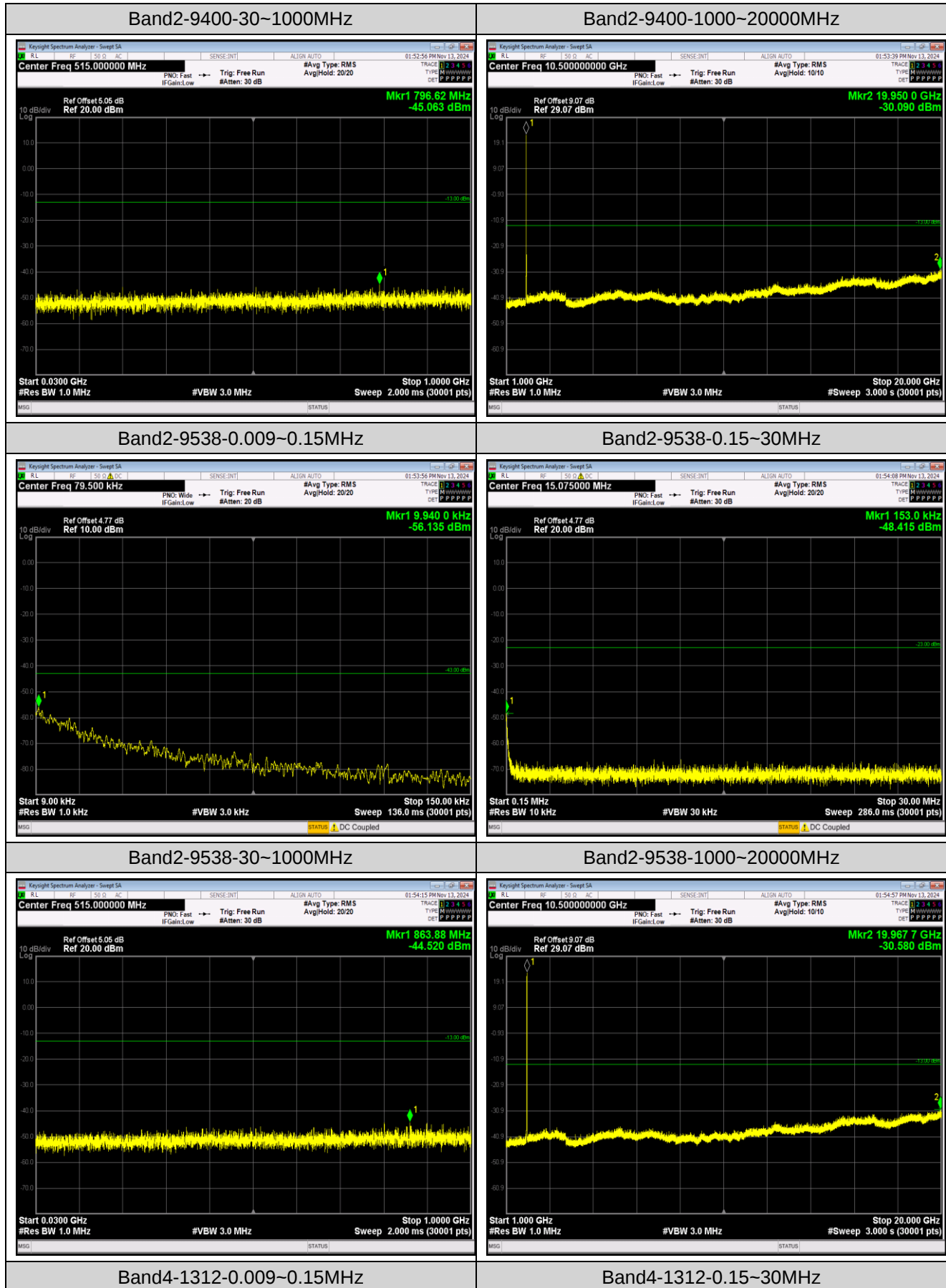


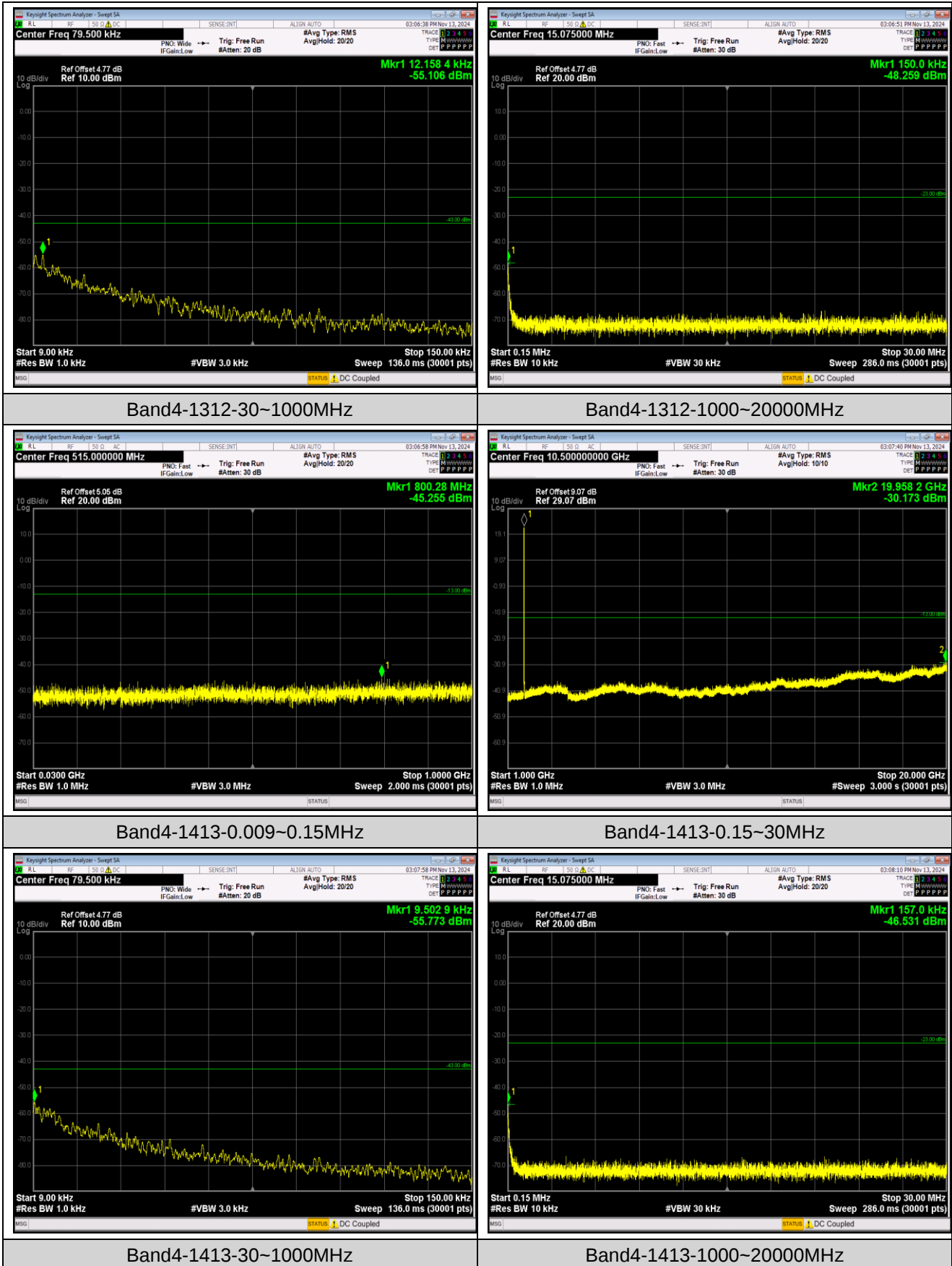
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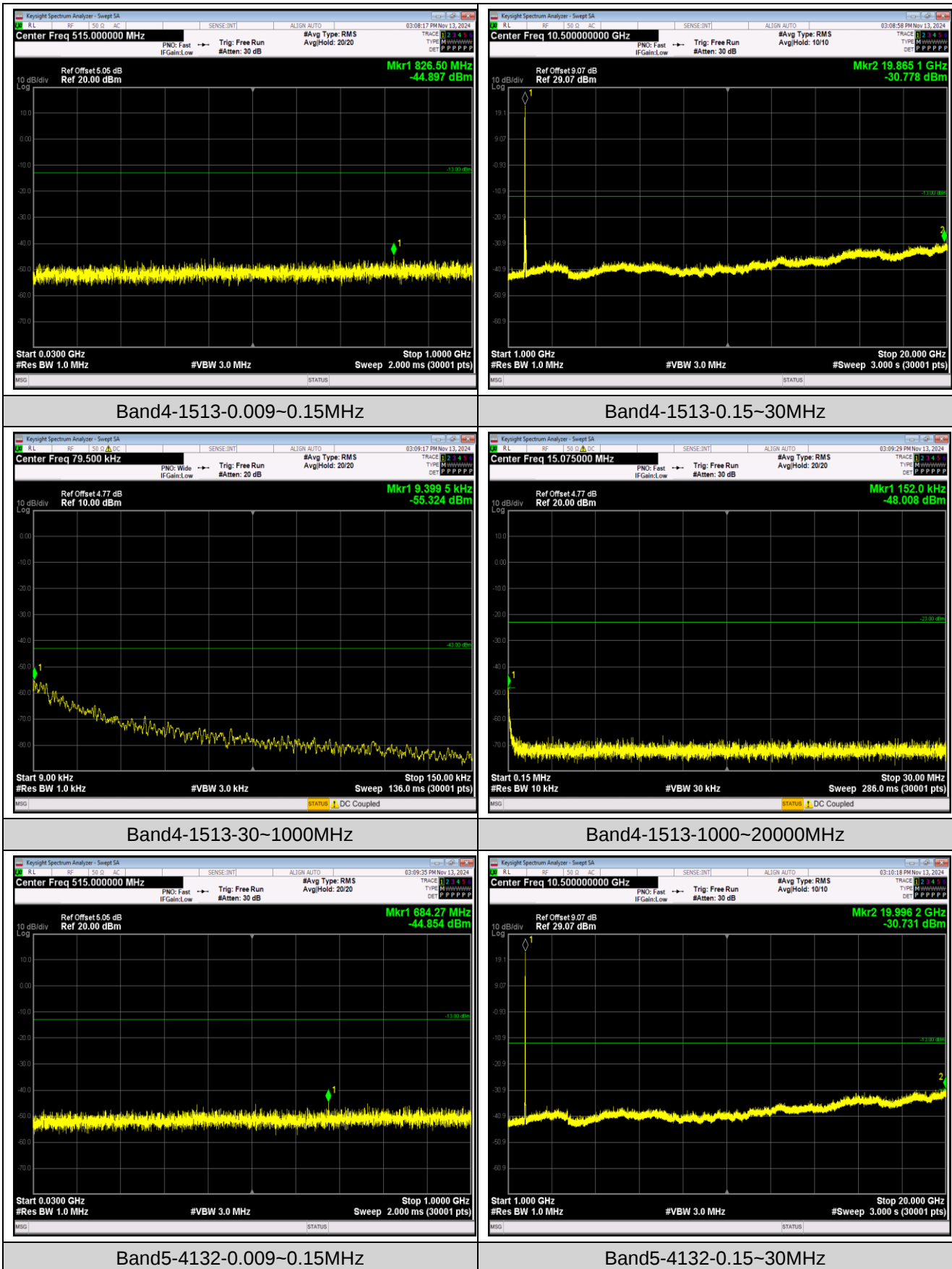
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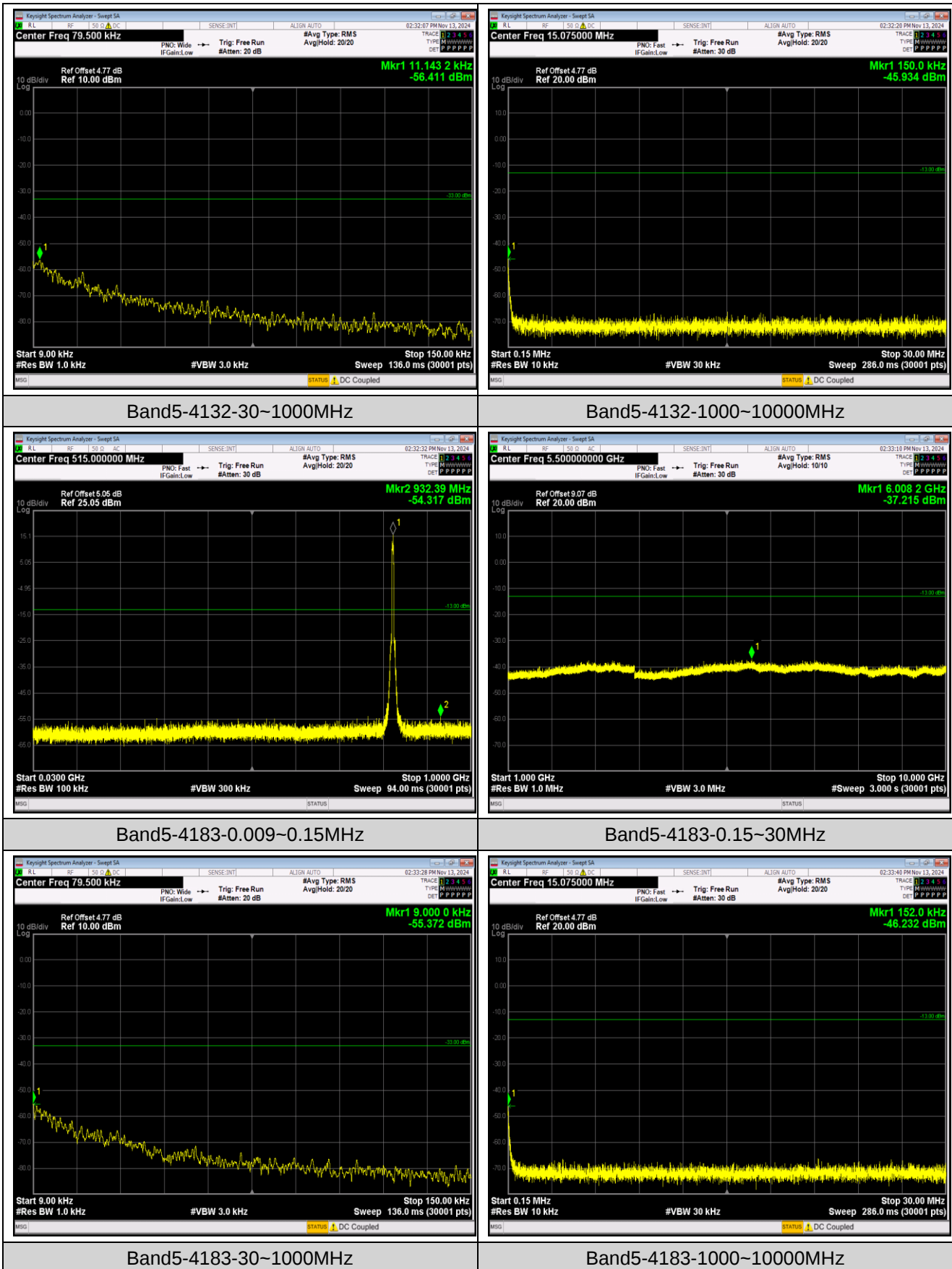
Tel: +86-755-23118282, Fax: +86-755-23116366

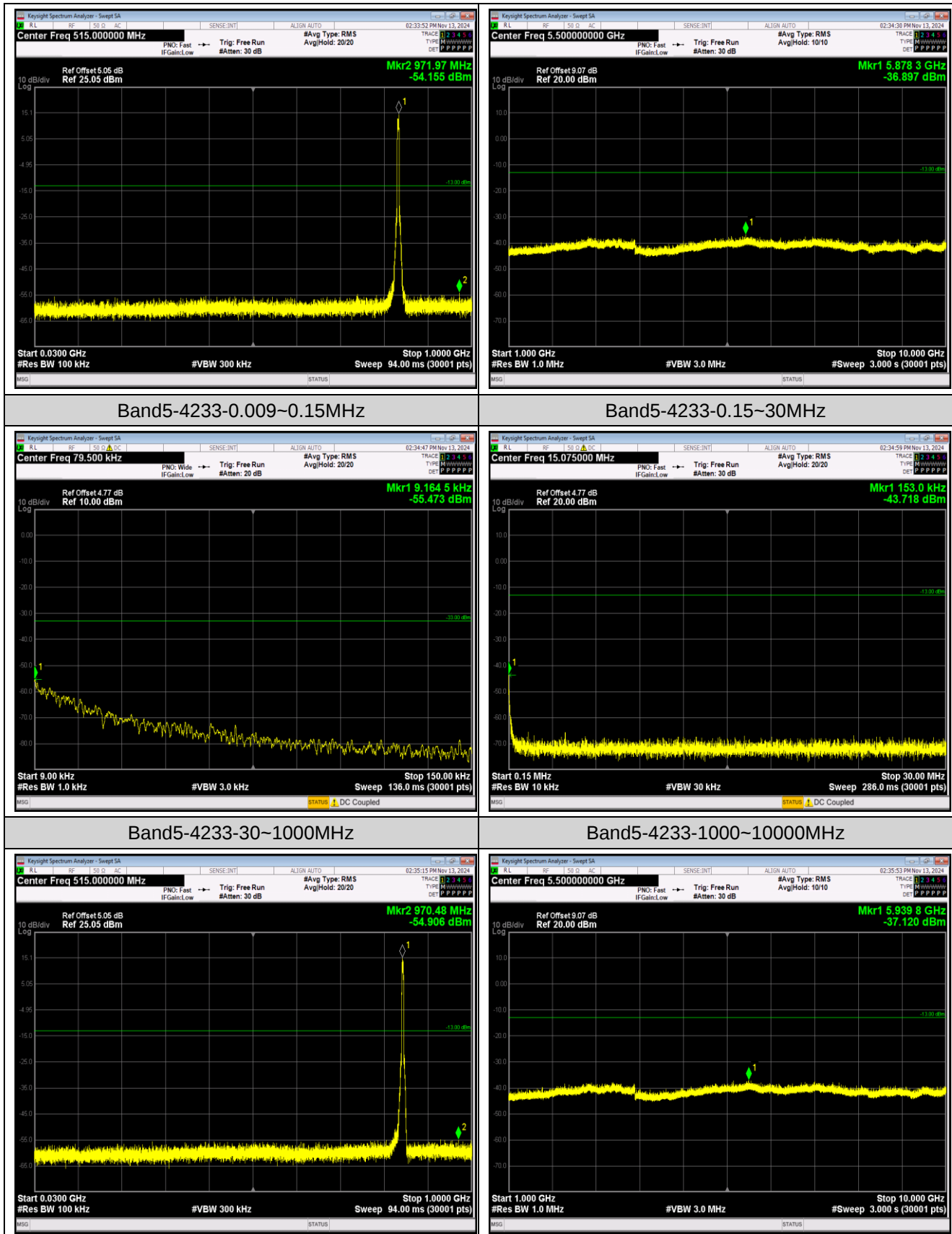
Project No.: JYTSZR2411030











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		
3.91	-30	-12.96	-0.015491	±2.5	Pass
	-20	-12.45	-0.014882		
	-10	-11.08	-0.013244		
	0	-10.70	-0.012790		
	10	-6.90	-0.008248		
	20	-10.54	-0.012599		
	30	-13.18	-0.015754		
	40	-14.12	-0.016878		
	50	-11.29	-0.013495		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-11.20	-0.013388	±2.5	Pass
	3.91	-13.31	-0.015910		
	4.50	-10.60	-0.012670		
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	-13.15	-0.007590	Within authorized band for BAND IV	Pass
	-20	-12.67	-0.007313		
	-10	-9.81	-0.005662		
	0	-12.35	-0.007128		
	10	-14.92	-0.008611		
	20	-13.04	-0.007526		
	30	-13.78	-0.007953		
	40	-12.45	-0.007186		
	50	-10.32	-0.005956		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-14.37	-0.008294	Within authorized band for BAND IV	Pass
	3.91	-13.95	-0.008051		
	4.50	-14.01	-0.008086		
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	-10.06	-0.005351	Within authorized band for BAND II	Pass
	-20	-12.59	-0.006697		
	-10	-12.78	-0.006798		
	0	-9.67	-0.005144		
	10	-13.50	-0.007181		
	20	-5.44	-0.002894		
	30	-8.80	-0.004681		
	40	-8.08	-0.004298		
	50	-11.02	-0.005862		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-9.60	-0.005106	Within authorized band for BAND II	Pass
	3.91	-11.20	-0.005957		
	4.50	-14.10	-0.007500		
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

