

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	22.46	19.57	33.01	PASS
Band2	TestMode	9262	22.60	19.71	33.01	PASS
Band2	TestMode	9400	22.85	19.96	33.01	PASS
Band2	Voice	9400	22.82	19.93	33.01	PASS
Band2	TestMode	9538	22.72	19.83	33.01	PASS
Band2	Voice	9538	22.69	19.8	33.01	PASS
Band4	Voice	1312	21.97	19.24	30.00	PASS
Band4	TestMode	1312	22.04	19.31	30.00	PASS
Band4	Voice	1413	21.81	19.08	30.00	PASS
Band4	TestMode	1413	22.15	19.42	30.00	PASS
Band4	TestMode	1513	22.09	19.36	30.00	PASS
Band4	Voice	1513	22.00	19.27	30.00	PASS
Band5	Voice	4132	22.68	14.78	38.45	PASS
Band5	TestMode	4132	22.66	14.76	38.45	PASS
Band5	TestMode	4183	22.74	14.84	38.45	PASS
Band5	Voice	4183	22.72	14.82	38.45	PASS
Band5	Voice	4233	22.60	14.7	38.45	PASS
Band5	TestMode	4233	22.74	14.84	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	21.73	18.84	33.01	PASS
Band2	9262	2	21.47	18.58	33.01	PASS
Band2	9262	3	21.10	18.21	33.01	PASS
Band2	9262	4	21.36	18.47	33.01	PASS
Band2	9400	1	22.19	19.3	33.01	PASS
Band2	9400	2	21.93	19.04	33.01	PASS
Band2	9400	3	21.50	18.61	33.01	PASS
Band2	9400	4	21.80	18.91	33.01	PASS
Band2	9538	1	21.93	19.04	33.01	PASS
Band2	9538	2	21.63	18.74	33.01	PASS
Band2	9538	3	21.55	18.66	33.01	PASS
Band2	9538	4	21.52	18.63	33.01	PASS

Band4	1312	1	21.03	18.3	30.00	PASS
Band4	1312	2	21.33	18.6	30.00	PASS
Band4	1312	3	21.29	18.56	30.00	PASS
Band4	1312	4	21.34	18.61	30.00	PASS
Band4	1413	1	21.25	18.52	30.00	PASS
Band4	1413	2	21.45	18.72	30.00	PASS
Band4	1413	3	21.47	18.74	30.00	PASS
Band4	1413	4	21.49	18.76	30.00	PASS
Band4	1513	1	20.44	17.71	30.00	PASS
Band4	1513	2	20.64	17.91	30.00	PASS
Band4	1513	3	20.66	17.93	30.00	PASS
Band4	1513	4	20.72	17.99	30.00	PASS
Band5	4132	1	22.21	14.31	38.5	PASS
Band5	4132	2	21.98	14.08	38.5	PASS
Band5	4132	3	21.12	13.22	38.5	PASS
Band5	4132	4	21.16	13.26	38.5	PASS
Band5	4183	1	21.97	14.07	38.5	PASS
Band5	4183	2	21.95	14.05	38.5	PASS
Band5	4183	3	21.25	13.35	38.5	PASS
Band5	4183	4	21.29	13.39	38.5	PASS
Band5	4233	1	21.65	13.75	38.5	PASS
Band5	4233	2	21.56	13.66	38.5	PASS
Band5	4233	3	21.04	13.14	38.5	PASS
Band5	4233	4	21.04	13.14	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	18.87	15.98	33.01	PASS
Band2	9262	2	19.59	16.7	33.01	PASS
Band2	9262	3	19.34	16.45	33.01	PASS
Band2	9262	4	19.68	16.79	33.01	PASS
Band2	9262	5	21.84	18.95	33.01	PASS
Band2	9400	1	19.54	16.65	33.01	PASS
Band2	9400	2	19.93	17.04	33.01	PASS
Band2	9400	3	19.76	16.87	33.01	PASS
Band2	9400	4	20.01	17.12	33.01	PASS
Band2	9400	5	22.24	19.35	33.01	PASS
Band2	9538	1	19.45	16.56	33.01	PASS
Band2	9538	2	19.87	16.98	33.01	PASS
Band2	9538	3	19.64	16.75	33.01	PASS

Band2	9538	4	19.95	17.06	33.01	PASS
Band2	9538	5	21.96	19.07	33.01	PASS
Band4	1312	1	21.11	18.38	30.00	PASS
Band4	1312	2	21.37	18.64	30.00	PASS
Band4	1312	3	21.07	18.34	30.00	PASS
Band4	1312	4	21.50	18.77	30.00	PASS
Band4	1312	5	21.39	18.66	30.00	PASS
Band4	1413	1	21.38	18.65	30.00	PASS
Band4	1413	2	21.56	18.83	30.00	PASS
Band4	1413	3	21.32	18.59	30.00	PASS
Band4	1413	4	21.68	18.95	30.00	PASS
Band4	1413	5	21.58	18.85	30.00	PASS
Band4	1513	1	20.56	17.83	30.00	PASS
Band4	1513	2	20.84	18.11	30.00	PASS
Band4	1513	3	20.35	17.62	30.00	PASS
Band4	1513	4	21.02	18.29	30.00	PASS
Band4	1513	5	20.79	18.06	30.00	PASS
Band5	4132	1	20.03	12.13	38.5	PASS
Band5	4132	2	20.19	12.29	38.5	PASS
Band5	4132	3	19.96	12.06	38.5	PASS
Band5	4132	4	19.69	11.79	38.5	PASS
Band5	4132	5	22.33	14.43	38.5	PASS
Band5	4183	1	20.06	12.16	38.5	PASS
Band5	4183	2	20.19	12.29	38.5	PASS
Band5	4183	3	19.99	12.09	38.5	PASS
Band5	4183	4	19.78	11.88	38.5	PASS
Band5	4183	5	22.30	14.4	38.5	PASS
Band5	4233	1	19.93	12.03	38.5	PASS
Band5	4233	2	19.97	12.07	38.5	PASS
Band5	4233	3	20.60	12.7	38.5	PASS
Band5	4233	4	19.61	11.71	38.5	PASS
Band5	4233	5	21.97	14.07	38.5	PASS

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

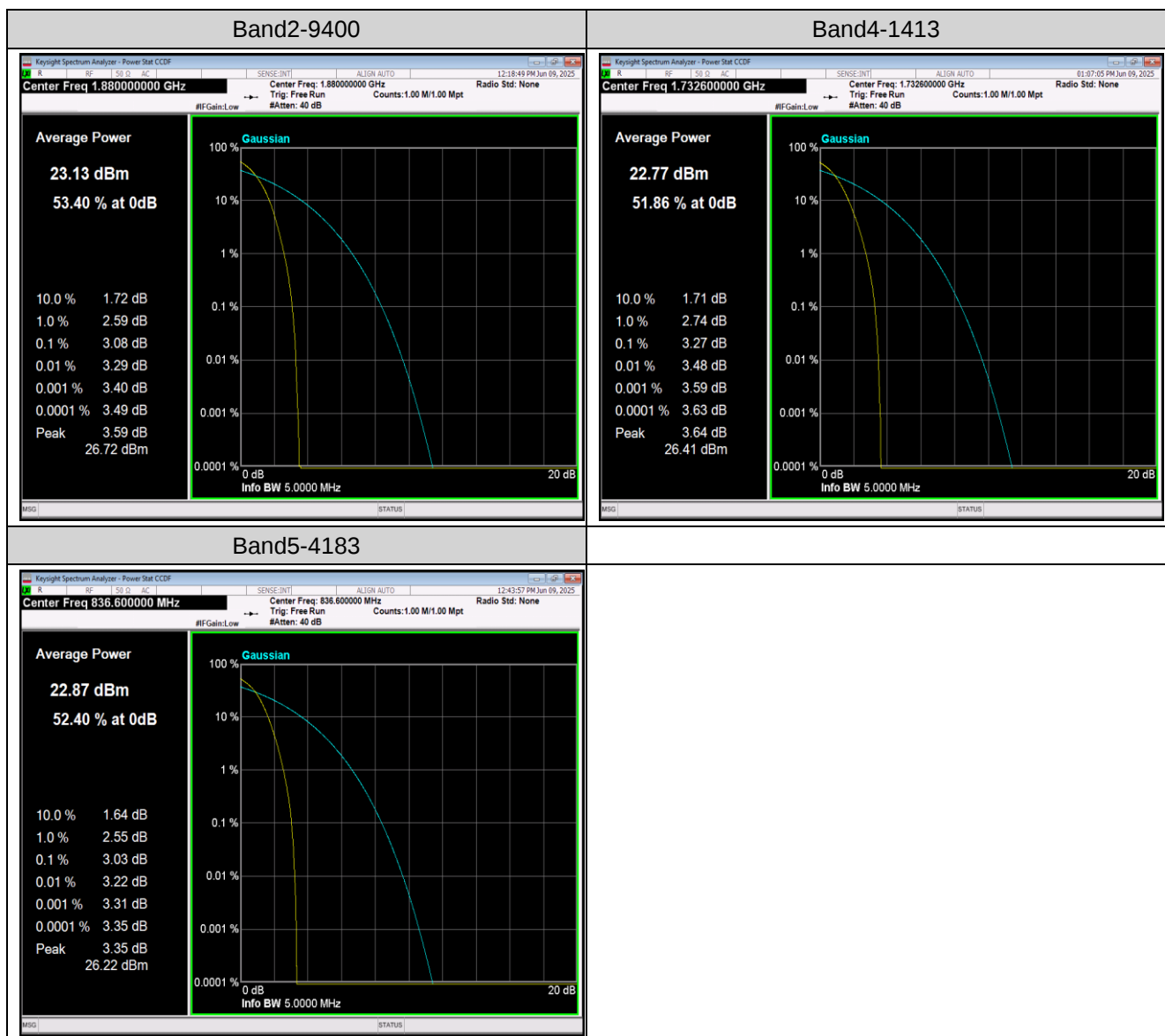
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.08	13	PASS
Band4	1413	3.27	13	PASS
Band5	4183	3.03	13	PASS

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

Test Graphs(WCDMA)

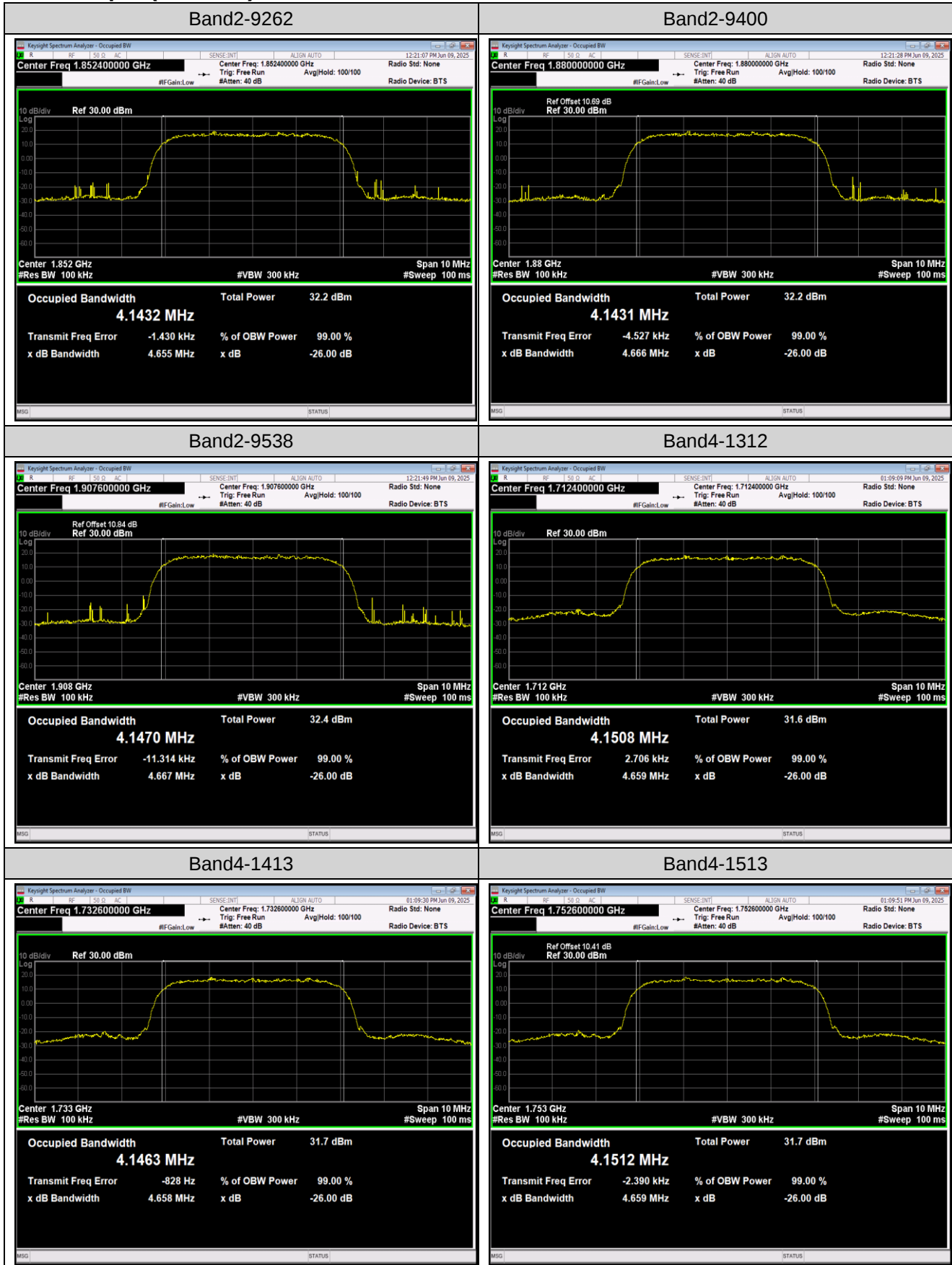


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1432	4.655	---	PASS
Band2	9400	4.1431	4.666	---	PASS
Band2	9538	4.1470	4.667	---	PASS
Band4	1312	4.1508	4.659	---	PASS
Band4	1413	4.1463	4.658	---	PASS
Band4	1513	4.1512	4.659	---	PASS
Band5	4132	4.1418	4.664	---	PASS
Band5	4183	4.1538	4.668	---	PASS
Band5	4233	4.1408	4.661	---	PASS

Test Graphs(WCDMA)



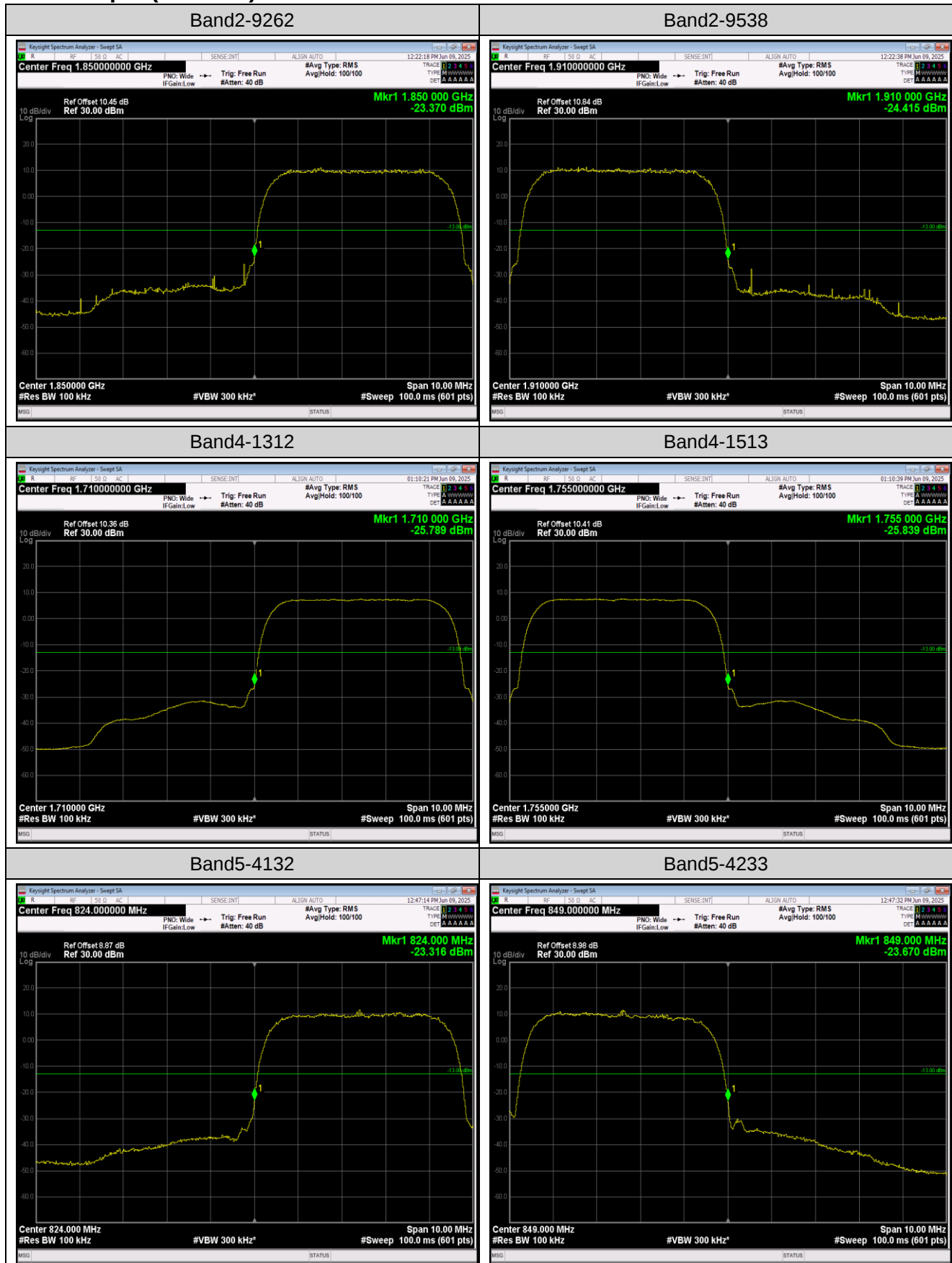


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-23.37	-13	PASS
Band2	9538	1910.00	-24.41	-13	PASS
Band4	1312	1710.00	-25.79	-13	PASS
Band4	1513	1755.00	-25.84	-13	PASS
Band5	4132	824.00	-23.32	-13	PASS
Band5	4233	849.00	-23.67	-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

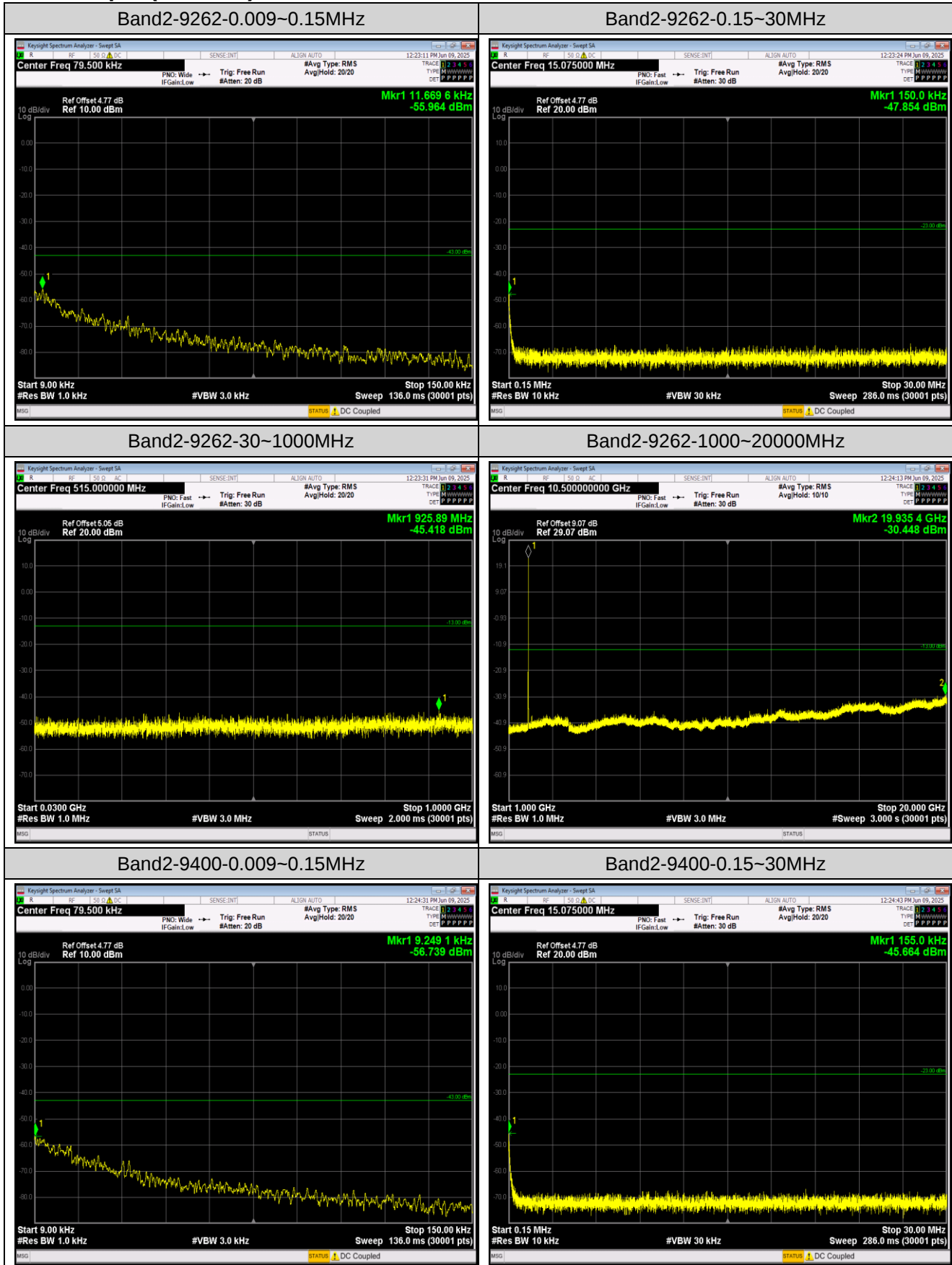
Project No.: JYTSZR2506002

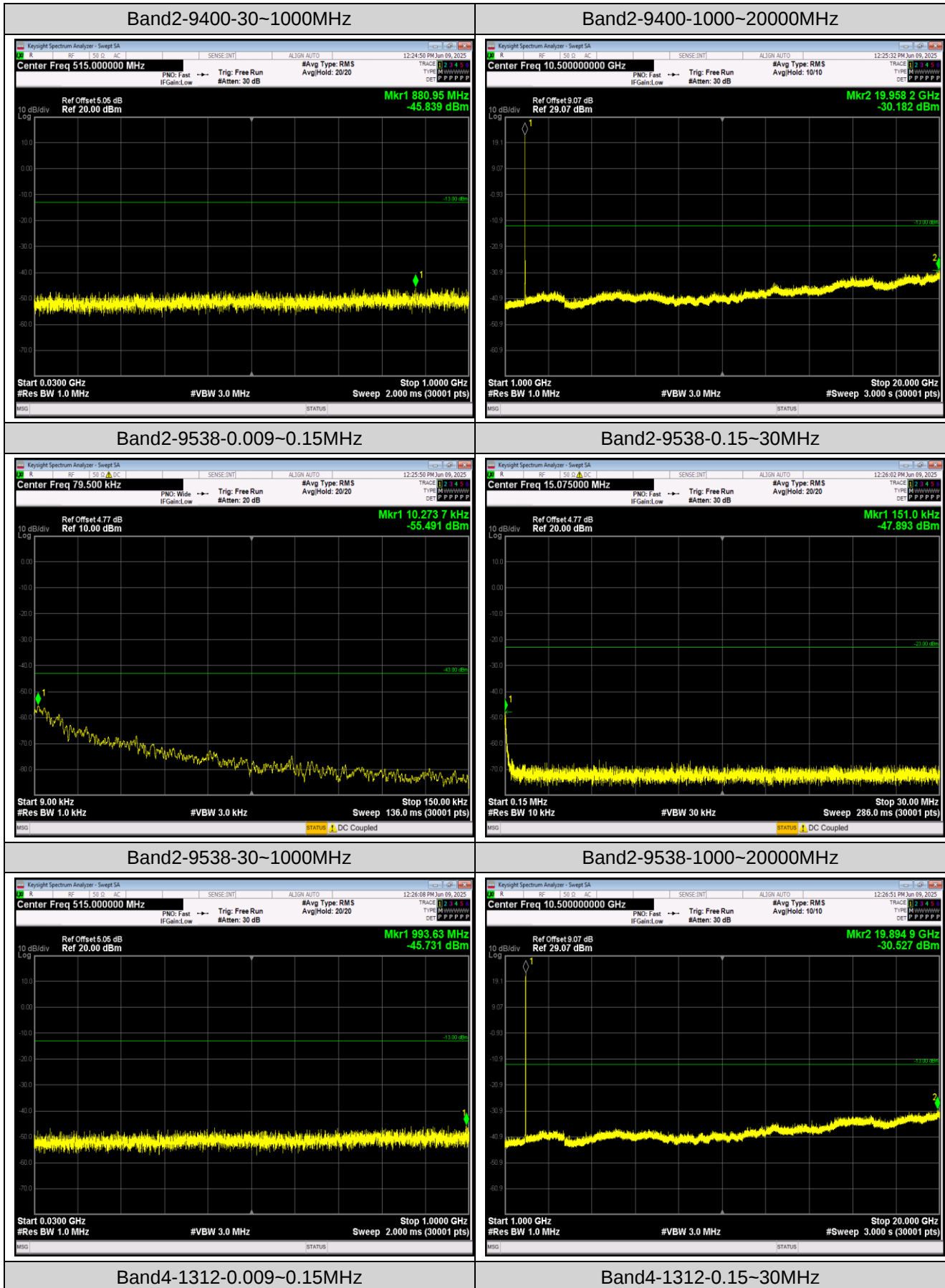
AppendixE:Conducted SpuriousEmission

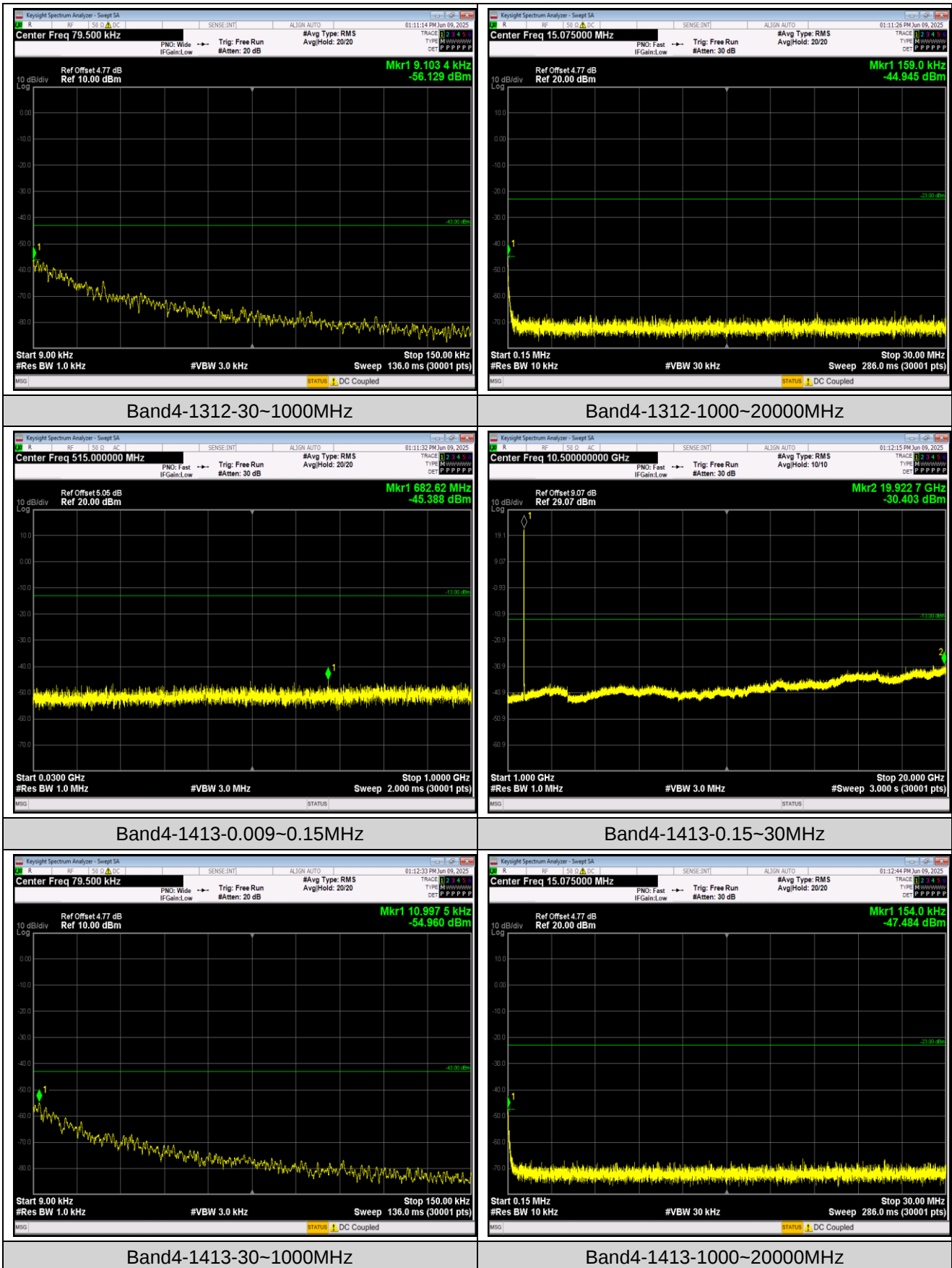
Test Result(WCDMA)

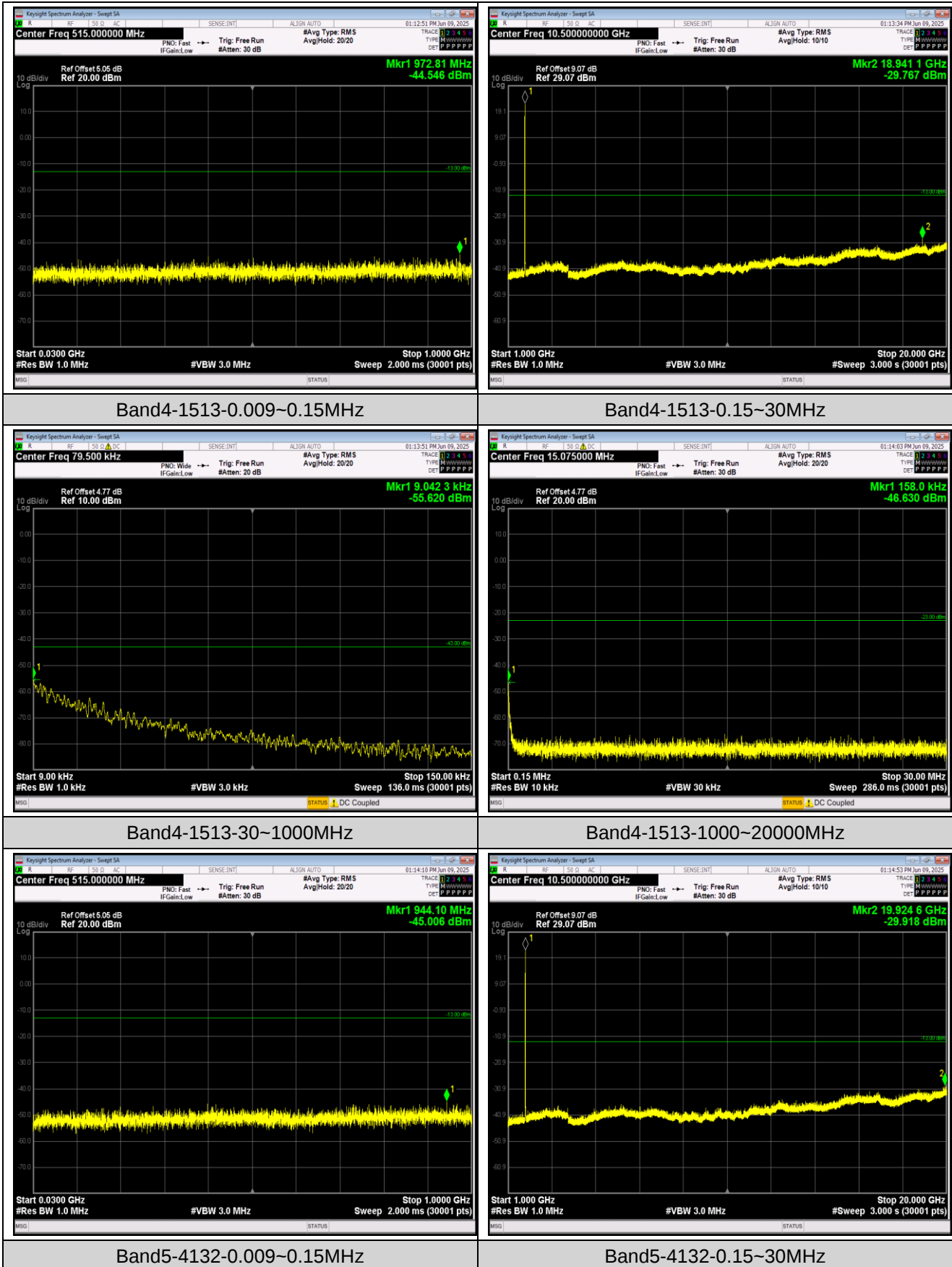
Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-55.96	-43	PASS
Band2	9262	0.15~30MHz	0.15	-47.85	-23	PASS
Band2	9262	30~1000MHz	925.89	-45.42	-13	PASS
Band2	9262	1000~20000MHz	19935.4	-30.45	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-56.74	-43	PASS
Band2	9400	0.15~30MHz	0.15	-45.66	-23	PASS
Band2	9400	30~1000MHz	880.95	-45.84	-13	PASS
Band2	9400	1000~20000MHz	19958.2	-30.18	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-55.49	-43	PASS
Band2	9538	0.15~30MHz	0.15	-47.89	-23	PASS
Band2	9538	30~1000MHz	993.63	-45.73	-13	PASS
Band2	9538	1000~20000MHz	19894.87	-30.53	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-56.13	-43	PASS
Band4	1312	0.15~30MHz	0.16	-44.95	-23	PASS
Band4	1312	30~1000MHz	682.62	-45.39	-13	PASS
Band4	1312	1000~20000MHz	19922.73	-30.4	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-54.96	-43	PASS
Band4	1413	0.15~30MHz	0.15	-47.48	-23	PASS
Band4	1413	30~1000MHz	972.81	-44.55	-13	PASS
Band4	1413	1000~20000MHz	18941.07	-29.77	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-55.62	-43	PASS
Band4	1513	0.15~30MHz	0.16	-46.63	-23	PASS
Band4	1513	30~1000MHz	944.1	-45.01	-13	PASS
Band4	1513	1000~20000MHz	19924.63	-29.92	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-53.52	-33	PASS
Band5	4132	0.15~30MHz	0.15	-45.92	-13	PASS
Band5	4132	30~1000MHz	426.54	-55.46	-13	PASS
Band5	4132	1000~10000MHz	5942.5	-37.26	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-55.84	-33	PASS
Band5	4183	0.15~30MHz	0.15	-43.78	-13	PASS
Band5	4183	30~1000MHz	981.41	-55.36	-13	PASS
Band5	4183	1000~10000MHz	7121.2	-37.25	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-56.79	-33	PASS
Band5	4233	0.15~30MHz	0.15	-46.67	-13	PASS
Band5	4233	30~1000MHz	727.59	-55.07	-13	PASS
Band5	4233	1000~10000MHz	7284.4	-37.71	-13	PASS

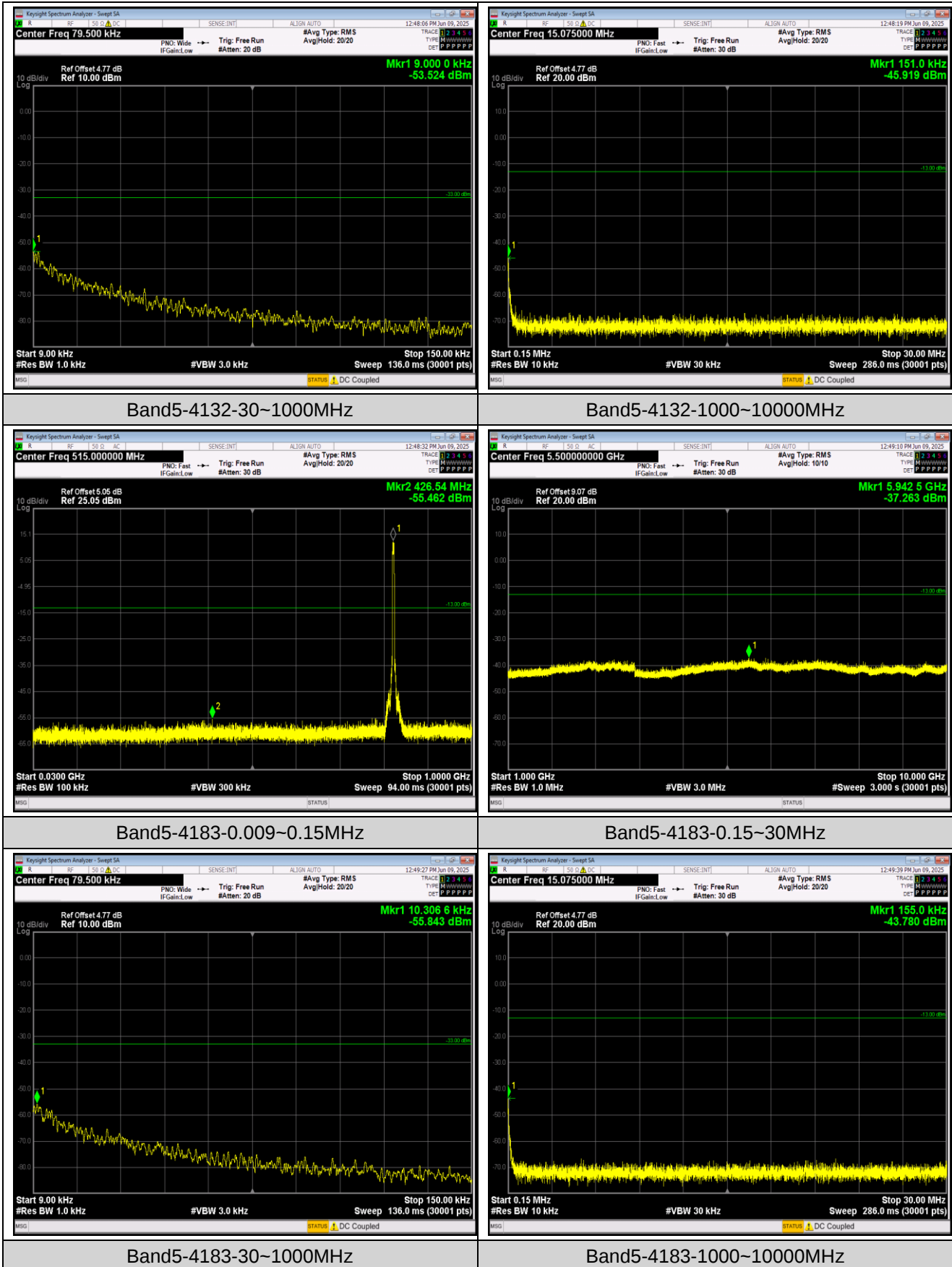
Test Graphs(WCDMA)

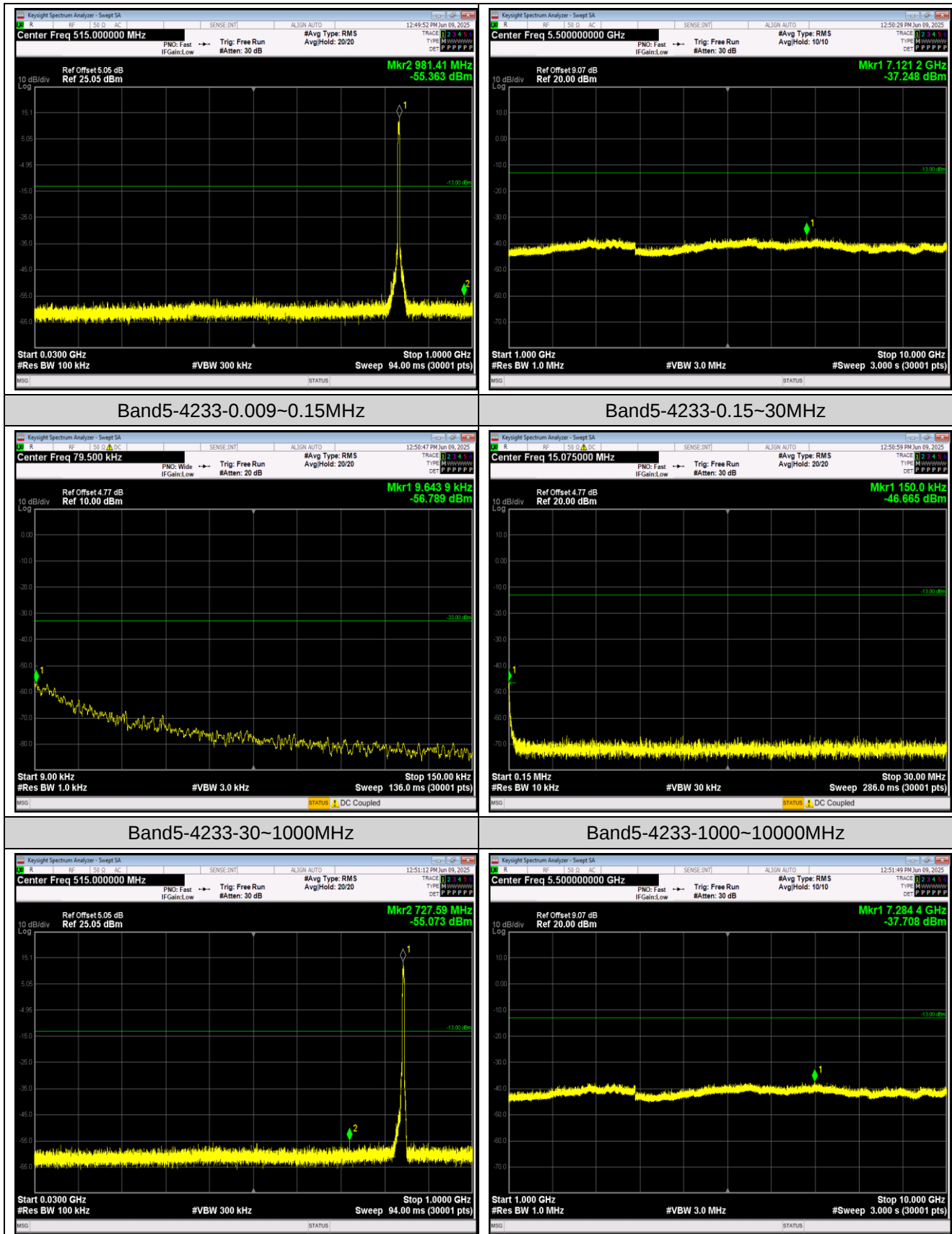












AppendixF:Frequency Stability

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		
3.85	-30	-1.63	-0.001948	±2.5	Pass
	-20	-0.35	-0.000418		
	-10	2.13	0.002546		
	0	-0.55	-0.000657		
	10	0.08	0.000096		
	20	0.29	0.000347		
	30	-1.28	-0.001530		
	40	-0.99	-0.001183		
	50	-2.22	-0.002654		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.60	1.96	0.002343	±2.5	Pass
	3.85	1.53	0.001829		
	4.40	-0.60	-0.000717		
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		
3.85	-30	-0.03	-0.000017	Within authorized band for BAND IV	Pass
	-20	9.96	0.005749		
	-10	2.69	0.001553		
	0	0.55	0.000317		
	10	0.11	0.000063		
	20	-3.55	-0.002049		
	30	-2.81	-0.001622		
	40	-3.10	-0.001789		
	50	-3.30	-0.001905		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.60	-0.26	-0.000150	Within authorized band for BAND IV	Pass
	3.85	-4.16	-0.002401		
	4.40	4.01	0.002314		
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	2.80	0.001489	Within authorized band for BAND II	Pass
	-20	4.26	0.002266		
	-10	-8.55	-0.004548		
	0	3.76	0.002000		
	10	-6.01	-0.003197		
	20	5.49	0.002920		
	30	-0.57	-0.000303		
	40	1.65	0.000878		
	50	-10.36	-0.005511		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.60	-2.40	-0.001277	Within authorized band for BAND II	Pass
	3.85	4.11	0.002186		
	4.40	2.98	0.001585		
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

