

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	23.17	20.17	33.01	PASS
Band2	TestMode	9262	23.27	20.27	33.01	PASS
Band2	TestMode	9400	23.49	20.49	33.01	PASS
Band2	Voice	9400	23.40	20.4	33.01	PASS
Band2	TestMode	9538	23.53	20.53	33.01	PASS
Band2	Voice	9538	23.44	20.44	33.01	PASS
Band4	Voice	1312	22.84	18.84	30.00	PASS
Band4	TestMode	1312	22.86	18.86	30.00	PASS
Band4	Voice	1413	22.85	18.85	30.00	PASS
Band4	TestMode	1413	22.88	18.88	30.00	PASS
Band4	TestMode	1513	22.87	18.87	30.00	PASS
Band4	Voice	1513	22.75	18.75	30.00	PASS
Band5	Voice	4132	23.81	16.66	38.45	PASS
Band5	TestMode	4132	23.79	16.64	38.45	PASS
Band5	TestMode	4183	23.88	16.73	38.45	PASS
Band5	Voice	4183	23.89	16.74	38.45	PASS
Band5	Voice	4233	23.84	16.69	38.45	PASS
Band5	TestMode	4233	23.85	16.7	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	22.09	19.09	33.01	PASS
Band2	9262	2	21.64	18.64	33.01	PASS
Band2	9262	3	21.46	18.46	33.01	PASS
Band2	9262	4	21.53	18.53	33.01	PASS
Band2	9400	1	22.27	19.27	33.01	PASS
Band2	9400	2	21.78	18.78	33.01	PASS
Band2	9400	3	21.72	18.72	33.01	PASS
Band2	9400	4	21.98	18.98	33.01	PASS
Band2	9538	1	22.24	19.24	33.01	PASS
Band2	9538	2	21.75	18.75	33.01	PASS
Band2	9538	3	21.73	18.73	33.01	PASS
Band2	9538	4	21.94	18.94	33.01	PASS

Band4	1312	1	21.90	17.9	30.00	PASS
Band4	1312	2	21.35	17.35	30.00	PASS
Band4	1312	3	21.37	17.37	30.00	PASS
Band4	1312	4	21.34	17.34	30.00	PASS
Band4	1413	1	22.00	18	30.00	PASS
Band4	1413	2	21.44	17.44	30.00	PASS
Band4	1413	3	21.41	17.41	30.00	PASS
Band4	1413	4	21.40	17.4	30.00	PASS
Band4	1513	1	21.90	17.9	30.00	PASS
Band4	1513	2	21.31	17.31	30.00	PASS
Band4	1513	3	21.30	17.3	30.00	PASS
Band4	1513	4	21.26	17.26	30.00	PASS
Band5	4132	1	22.85	15.7	38.5	PASS
Band5	4132	2	22.36	15.21	38.5	PASS
Band5	4132	3	22.35	15.2	38.5	PASS
Band5	4132	4	22.32	15.17	38.5	PASS
Band5	4183	1	22.93	15.78	38.5	PASS
Band5	4183	2	22.43	15.28	38.5	PASS
Band5	4183	3	22.43	15.28	38.5	PASS
Band5	4183	4	22.43	15.28	38.5	PASS
Band5	4233	1	22.88	15.73	38.5	PASS
Band5	4233	2	22.42	15.27	38.5	PASS
Band5	4233	3	22.42	15.27	38.5	PASS
Band5	4233	4	22.37	15.22	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	21.24	18.24	33.01	PASS
Band2	9262	2	21.74	18.74	33.01	PASS
Band2	9262	3	22.24	19.24	33.01	PASS
Band2	9262	4	21.26	18.26	33.01	PASS
Band2	9262	5	23.23	20.23	33.01	PASS
Band2	9400	1	21.48	18.48	33.01	PASS
Band2	9400	2	21.97	18.97	33.01	PASS
Band2	9400	3	22.45	19.45	33.01	PASS
Band2	9400	4	21.48	18.48	33.01	PASS
Band2	9400	5	23.47	20.47	33.01	PASS
Band2	9538	1	21.41	18.41	33.01	PASS
Band2	9538	2	21.94	18.94	33.01	PASS
Band2	9538	3	22.41	19.41	33.01	PASS

Band2	9538	4	21.45	18.45	33.01	PASS
Band2	9538	5	23.39	20.39	33.01	PASS
Band4	1312	1	20.90	16.9	30.00	PASS
Band4	1312	2	21.42	17.42	30.00	PASS
Band4	1312	3	21.89	17.89	30.00	PASS
Band4	1312	4	20.87	16.87	30.00	PASS
Band4	1312	5	22.88	18.88	30.00	PASS
Band4	1413	1	20.95	16.95	30.00	PASS
Band4	1413	2	21.43	17.43	30.00	PASS
Band4	1413	3	21.96	17.96	30.00	PASS
Band4	1413	4	20.93	16.93	30.00	PASS
Band4	1413	5	22.94	18.94	30.00	PASS
Band4	1513	1	20.85	16.85	30.00	PASS
Band4	1513	2	21.35	17.35	30.00	PASS
Band4	1513	3	21.85	17.85	30.00	PASS
Band4	1513	4	20.87	16.87	30.00	PASS
Band4	1513	5	22.81	18.81	30.00	PASS
Band5	4132	1	20.90	13.75	38.5	PASS
Band5	4132	2	21.41	14.26	38.5	PASS
Band5	4132	3	21.88	14.73	38.5	PASS
Band5	4132	4	20.91	13.76	38.5	PASS
Band5	4132	5	22.82	15.67	38.5	PASS
Band5	4183	1	20.97	13.82	38.5	PASS
Band5	4183	2	21.46	14.31	38.5	PASS
Band5	4183	3	21.95	14.8	38.5	PASS
Band5	4183	4	20.97	13.82	38.5	PASS
Band5	4183	5	22.92	15.77	38.5	PASS
Band5	4233	1	20.93	13.78	38.5	PASS
Band5	4233	2	21.40	14.25	38.5	PASS
Band5	4233	3	21.95	14.8	38.5	PASS
Band5	4233	4	20.95	13.8	38.5	PASS
Band5	4233	5	22.88	15.73	38.5	PASS

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

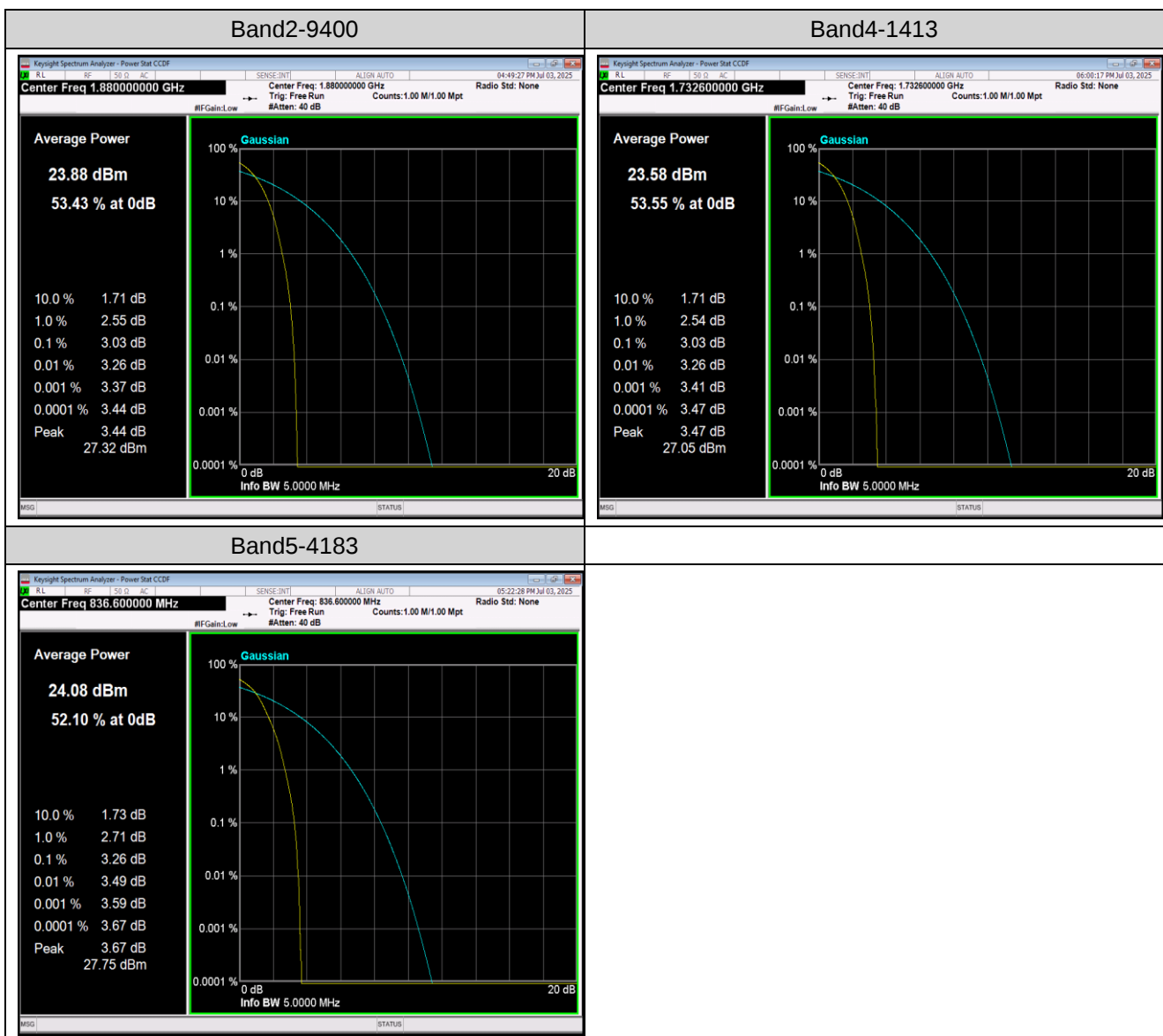
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.03	13	PASS
Band4	1413	3.03	13	PASS
Band5	4183	3.26	13	PASS

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

Test Graphs(WCDMA)

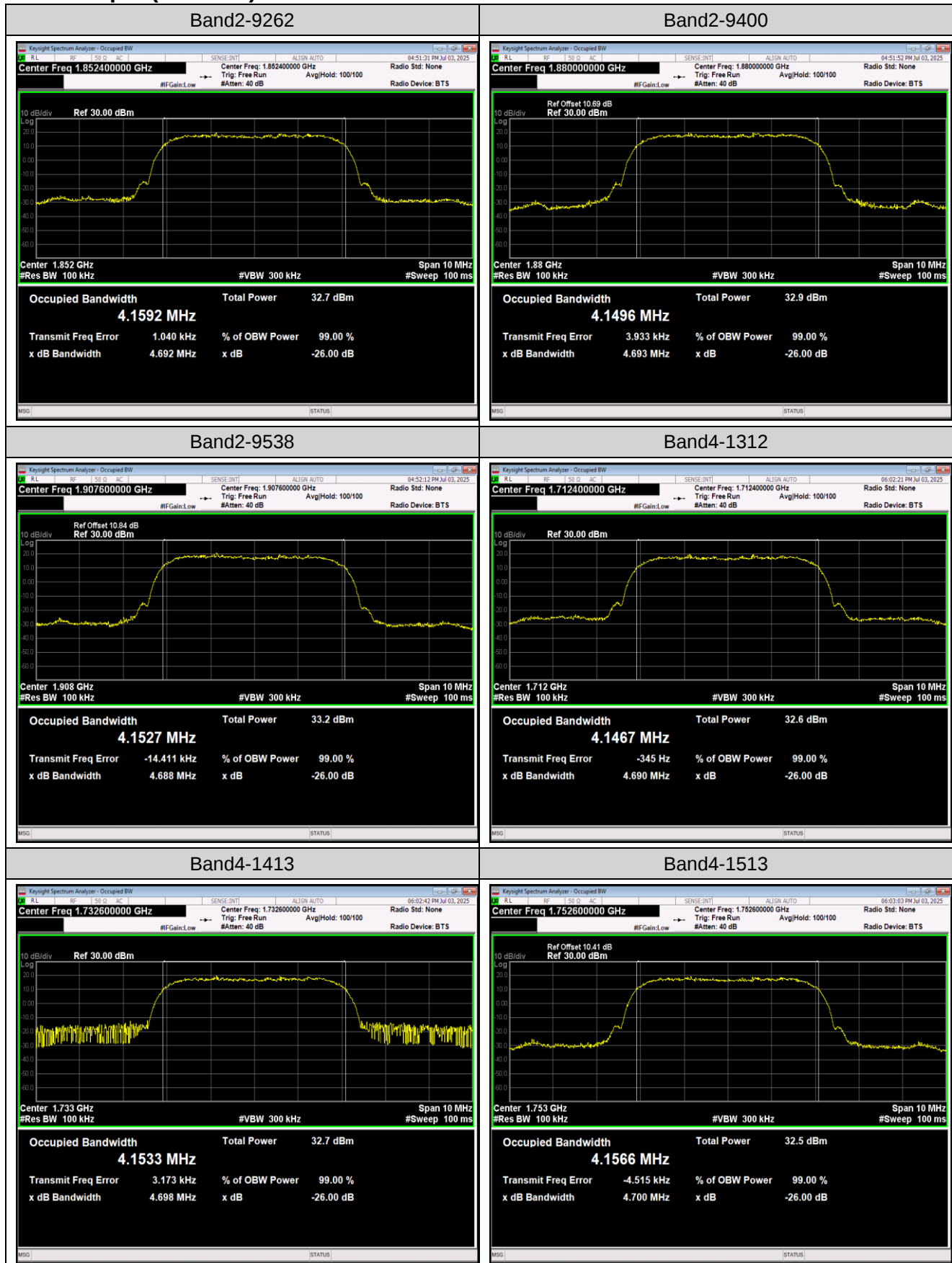


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1592	4.692	---	PASS
Band2	9400	4.1496	4.693	---	PASS
Band2	9538	4.1527	4.688	---	PASS
Band4	1312	4.1467	4.690	---	PASS
Band4	1413	4.1533	4.698	---	PASS
Band4	1513	4.1566	4.700	---	PASS
Band5	4132	4.1607	4.685	---	PASS
Band5	4183	4.1620	4.681	---	PASS
Band5	4233	4.1563	4.676	---	PASS

Test Graphs(WCDMA)



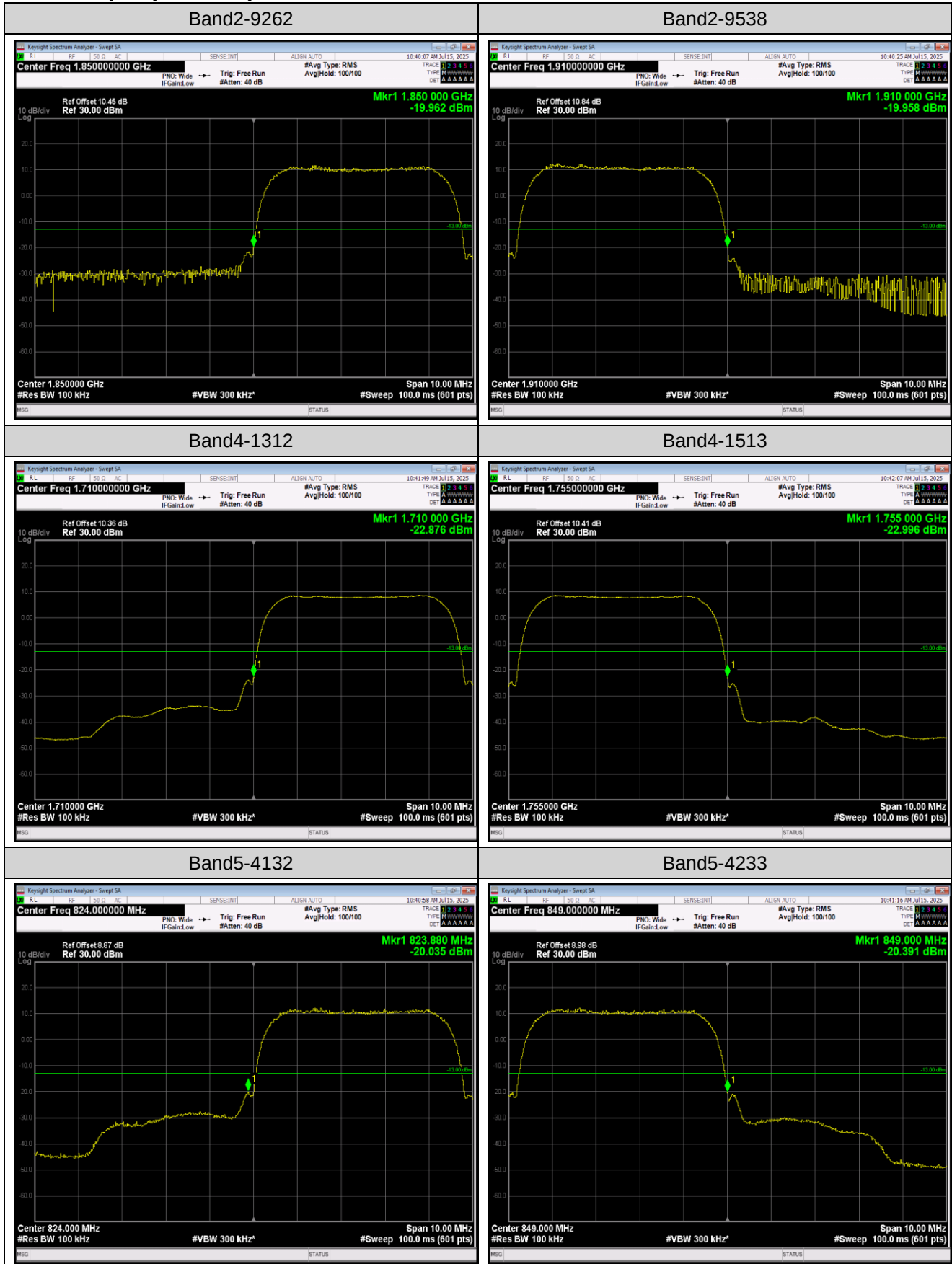


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-19.96	-13	PASS
Band2	9538	1910.00	-19.96	-13	PASS
Band4	1312	1710.00	-22.88	-13	PASS
Band4	1513	1755.00	-23.00	-13	PASS
Band5	4132	823.88	-20.03	-13	PASS
Band5	4233	849.00	-20.39	-13	PASS

Test Graphs(WCDMA)



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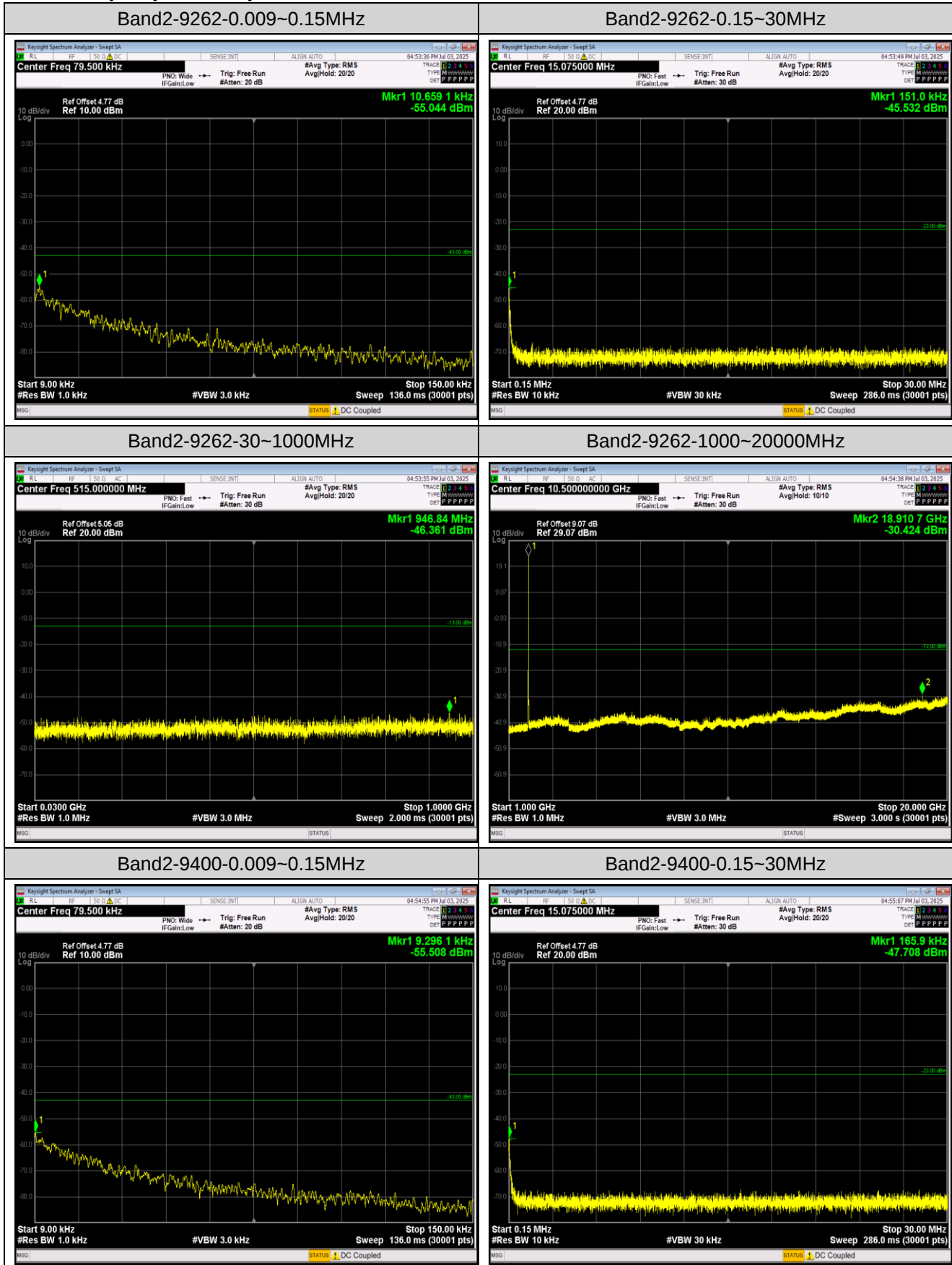
Project No.: JYTSZR2506049

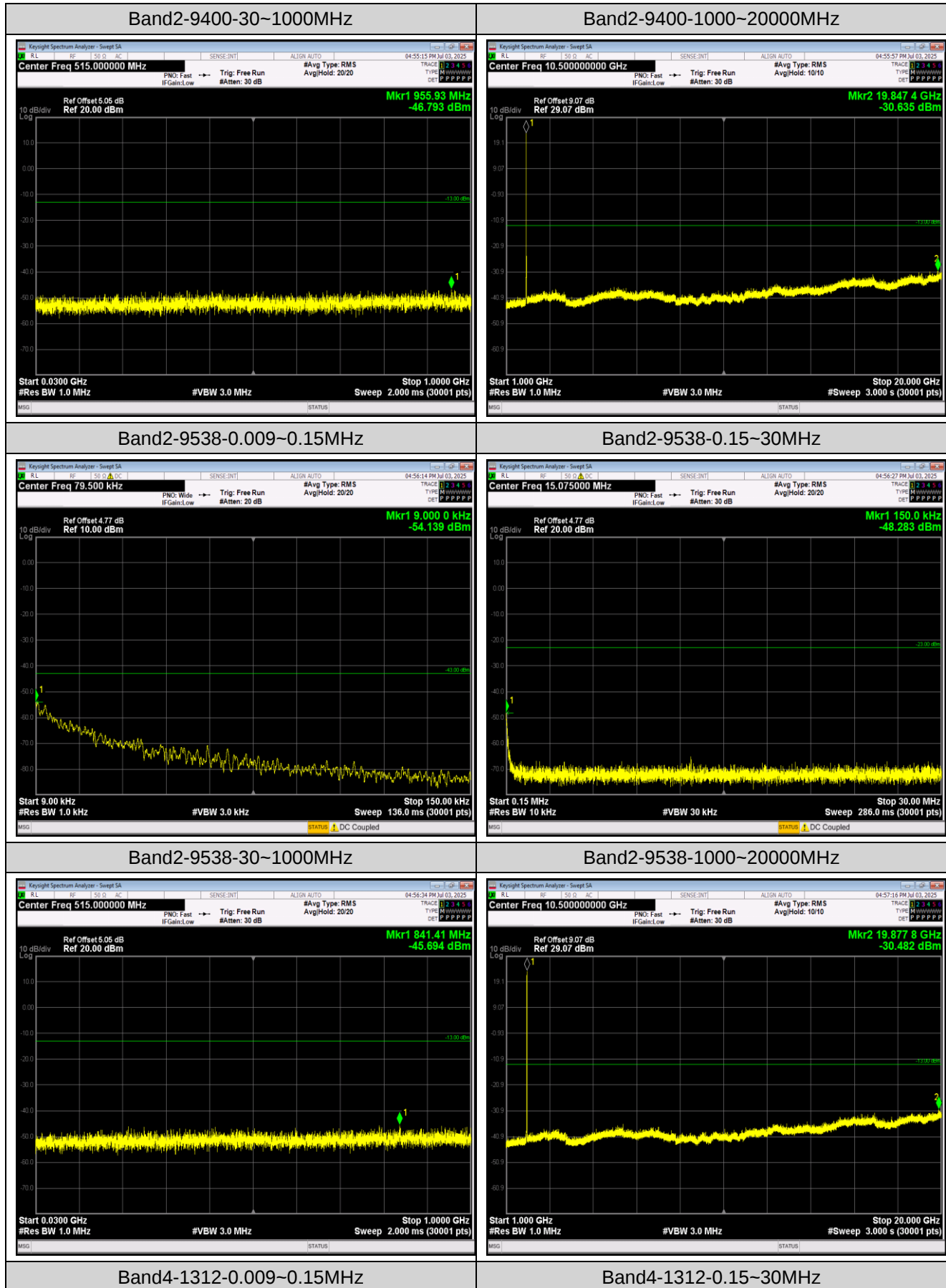
AppendixE:Conducted SpuriousEmission

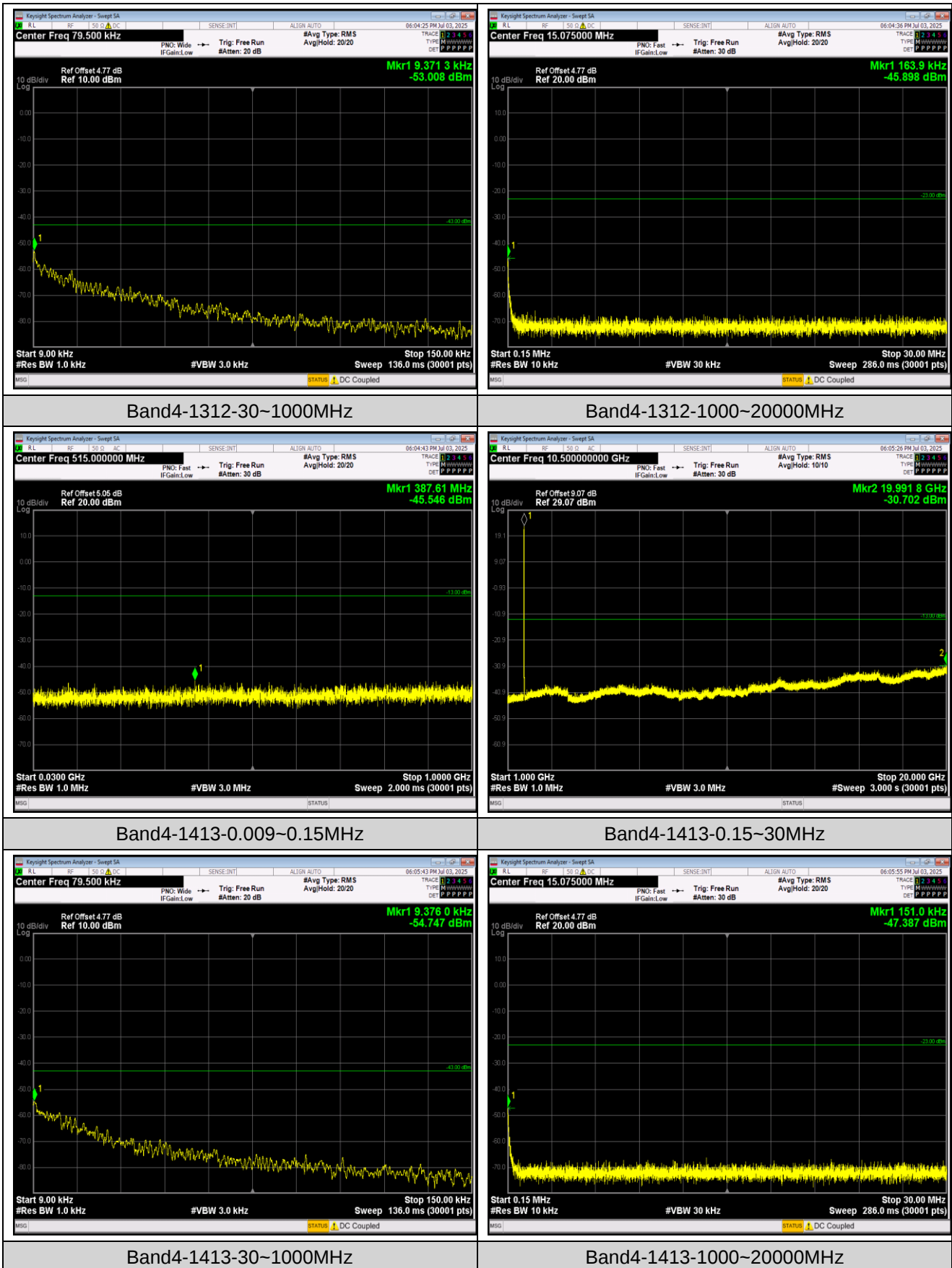
Test Result(WCDMA)

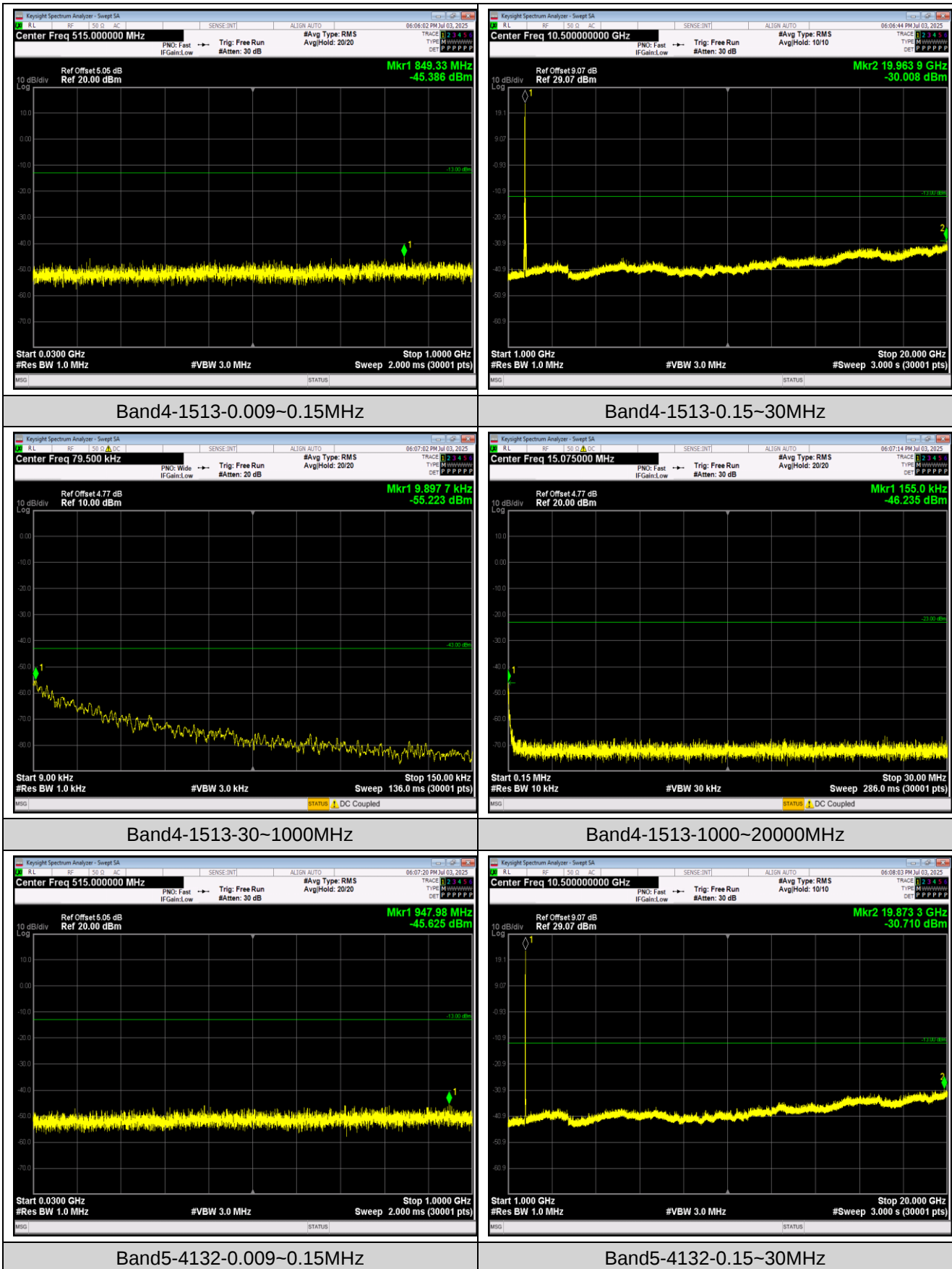
Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-55.04	-43	PASS
Band2	9262	0.15~30MHz	0.15	-45.53	-23	PASS
Band2	9262	30~1000MHz	946.84	-46.36	-13	PASS
Band2	9262	1000~20000MHz	18910.67	-30.42	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-55.51	-43	PASS
Band2	9400	0.15~30MHz	0.17	-47.71	-23	PASS
Band2	9400	30~1000MHz	955.93	-46.79	-13	PASS
Band2	9400	1000~20000MHz	19847.37	-30.64	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-54.14	-43	PASS
Band2	9538	0.15~30MHz	0.15	-48.28	-23	PASS
Band2	9538	30~1000MHz	841.41	-45.69	-13	PASS
Band2	9538	1000~20000MHz	19877.77	-30.48	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-53.01	-43	PASS
Band4	1312	0.15~30MHz	0.16	-45.9	-23	PASS
Band4	1312	30~1000MHz	387.61	-45.55	-13	PASS
Band4	1312	1000~20000MHz	19991.77	-30.7	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-54.75	-43	PASS
Band4	1413	0.15~30MHz	0.15	-47.39	-23	PASS
Band4	1413	30~1000MHz	849.33	-45.39	-13	PASS
Band4	1413	1000~20000MHz	19963.9	-30.01	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-55.22	-43	PASS
Band4	1513	0.15~30MHz	0.15	-46.24	-23	PASS
Band4	1513	30~1000MHz	947.98	-45.63	-13	PASS
Band4	1513	1000~20000MHz	19873.33	-30.71	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-55.27	-33	PASS
Band5	4132	0.15~30MHz	0.15	-46.04	-13	PASS
Band5	4132	30~1000MHz	692.7	-55.41	-13	PASS
Band5	4132	1000~10000MHz	5967.1	-37.15	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-56.09	-33	PASS
Band5	4183	0.15~30MHz	0.15	-44.15	-13	PASS
Band5	4183	30~1000MHz	726.27	-55.2	-13	PASS
Band5	4183	1000~10000MHz	6025.9	-37.21	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-56.34	-33	PASS
Band5	4233	0.15~30MHz	0.15	-48.51	-13	PASS
Band5	4233	30~1000MHz	996.12	-55.83	-13	PASS
Band5	4233	1000~10000MHz	5946.1	-36.88	-13	PASS

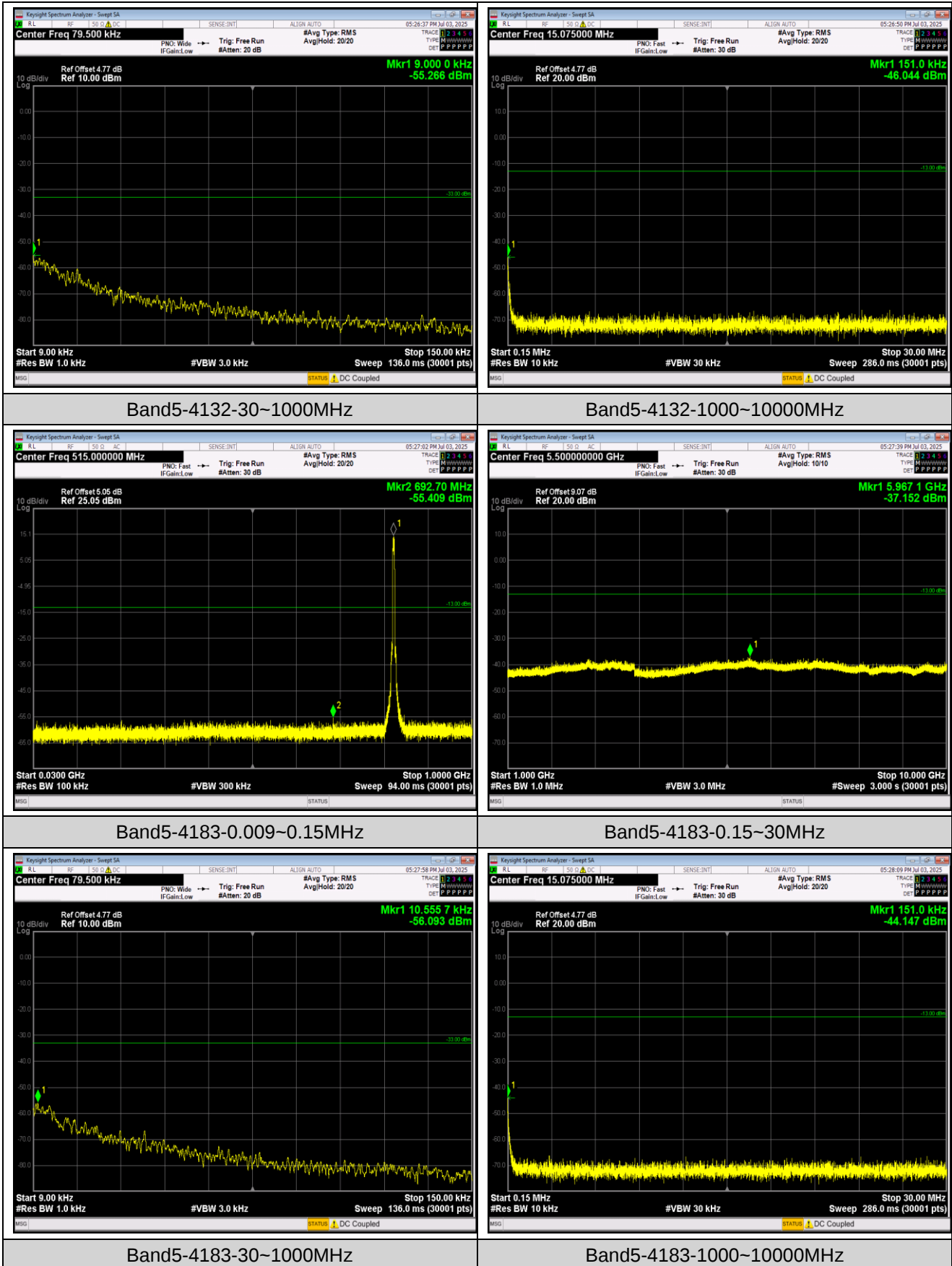
Test Graphs(WCDMA)

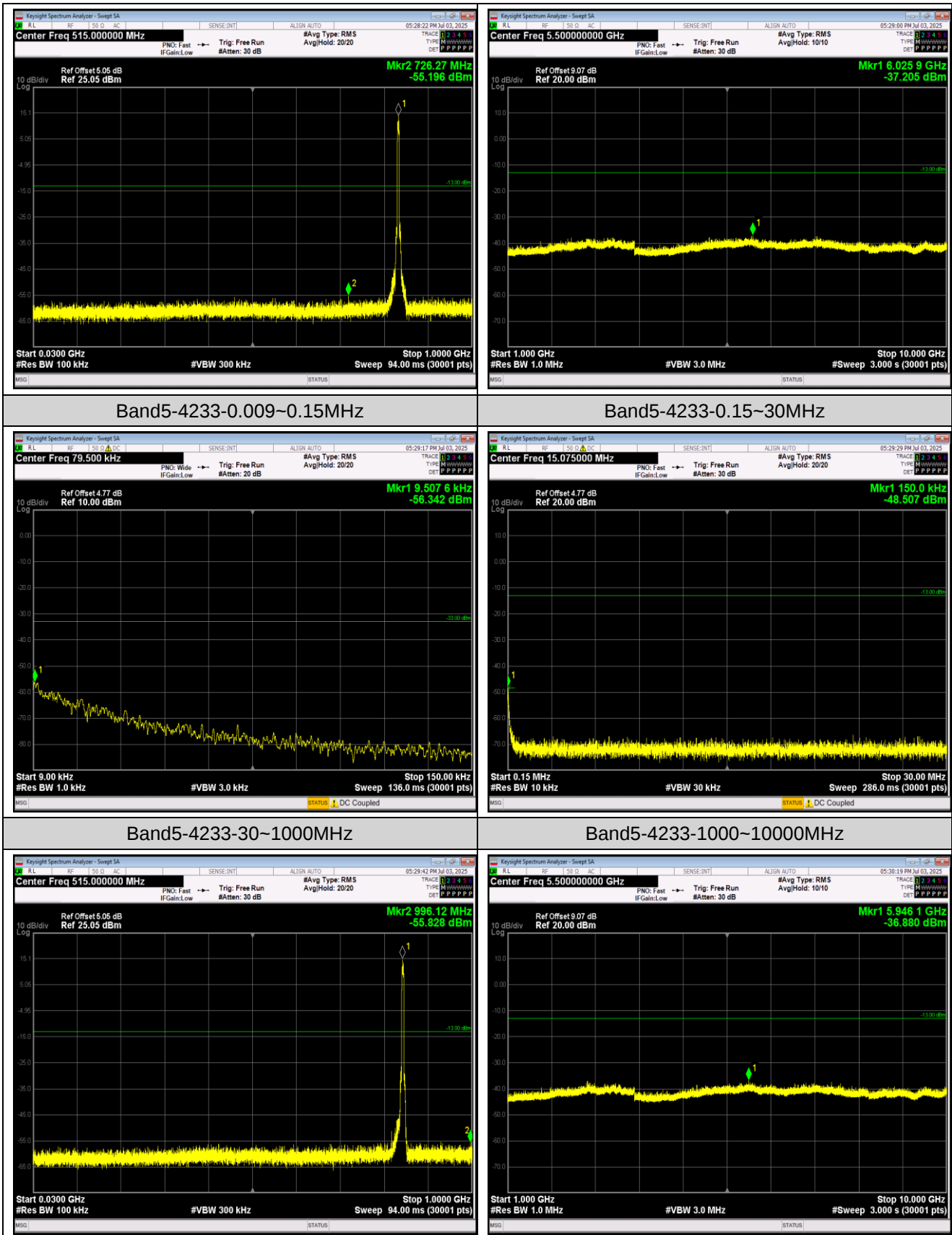












AppendixF:Frequency Stability

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	-4.53	-0.005415	±2.5	Pass
	-20	-6.30	-0.007530		
	-10	-4.90	-0.005857		
	0	-2.70	-0.003227		
	10	-4.91	-0.005869		
	20	-6.69	-0.007997		
	30	-4.63	-0.005534		
	40	-5.25	-0.006275		
	50	-3.47	-0.004148		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-5.05	-0.006036	±2.5	Pass
	3.85	-4.68	-0.005594		
	4.40	-4.99	-0.005965		
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		
3.85	-30	-6.16	-0.003555	Within authorized band for BAND IV	Pass
	-20	-3.73	-0.002153		
	-10	-5.50	-0.003174		
	0	-6.19	-0.003573		
	10	-4.48	-0.002586		
	20	-3.31	-0.001910		
	30	-3.03	-0.001749		
	40	-7.11	-0.004104		
	50	-5.78	-0.003336		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-5.04	-0.002909	Within authorized band for BAND IV	Pass
	3.85	-7.48	-0.004317		
	4.40	-7.30	-0.004213		
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	-2.13	-0.001133	Within authorized band for BAND II	Pass
	-20	-3.40	-0.001809		
	-10	-5.81	-0.003090		
	0	-2.50	-0.001330		
	10	-2.47	-0.001314		
	20	-2.73	-0.001452		
	30	-4.65	-0.002473		
	40	-0.99	-0.000527		
	50	-2.81	-0.001495		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.45	-4.22	-0.002245	Within authorized band for BAND II	Pass
	3.85	-4.58	-0.002436		
	4.40	-2.74	-0.001457		
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

