

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	22.20	23.23	33.01	PASS
Band2	TestMode	9262	22.20	23.23	33.01	PASS
Band2	TestMode	9400	22.53	23.56	33.01	PASS
Band2	Voice	9400	22.43	23.46	33.01	PASS
Band2	Voice	9538	22.69	23.72	33.01	PASS
Band2	TestMode	9538	22.73	23.76	33.01	PASS
Band4	TestMode	1312	22.37	23.16	30.00	PASS
Band4	Voice	1312	22.24	23.03	30.00	PASS
Band4	TestMode	1413	22.64	23.43	30.00	PASS
Band4	Voice	1413	22.49	23.28	30.00	PASS
Band4	TestMode	1513	22.65	23.44	30.00	PASS
Band4	Voice	1513	22.60	23.39	30.00	PASS
Band5	TestMode	4132	22.70	18.32	38.45	PASS
Band5	Voice	4132	22.64	18.26	38.45	PASS
Band5	Voice	4183	22.79	18.41	38.45	PASS
Band5	TestMode	4183	22.84	18.46	38.45	PASS
Band5	Voice	4233	22.79	18.41	38.45	PASS
Band5	TestMode	4233	22.85	18.47	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	22.21	23.24	33.01	PASS
Band2	9262	2	21.64	22.67	33.01	PASS
Band2	9262	3	21.64	22.67	33.01	PASS
Band2	9262	4	21.67	22.7	33.01	PASS
Band2	9400	1	22.51	23.54	33.01	PASS
Band2	9400	2	21.94	22.97	33.01	PASS
Band2	9400	3	21.98	23.01	33.01	PASS
Band2	9400	4	22.02	23.05	33.01	PASS
Band2	9538	1	22.76	23.79	33.01	PASS
Band2	9538	2	22.17	23.2	33.01	PASS
Band2	9538	3	22.18	23.21	33.01	PASS
Band2	9538	4	22.19	23.22	33.01	PASS

Band4	1312	1	22.33	23.12	30.00	PASS
Band4	1312	2	21.86	22.65	30.00	PASS
Band4	1312	3	21.86	22.65	30.00	PASS
Band4	1312	4	21.86	22.65	30.00	PASS
Band4	1413	1	22.64	23.43	30.00	PASS
Band4	1413	2	22.07	22.86	30.00	PASS
Band4	1413	3	22.08	22.87	30.00	PASS
Band4	1413	4	22.05	22.84	30.00	PASS
Band4	1513	1	22.71	23.5	30.00	PASS
Band4	1513	2	22.12	22.91	30.00	PASS
Band4	1513	3	22.19	22.98	30.00	PASS
Band4	1513	4	22.09	22.88	30.00	PASS
Band5	4132	1	22.71	18.33	38.5	PASS
Band5	4132	2	22.14	17.76	38.5	PASS
Band5	4132	3	22.15	17.77	38.5	PASS
Band5	4132	4	22.14	17.76	38.5	PASS
Band5	4183	1	22.83	18.45	38.5	PASS
Band5	4183	2	22.35	17.97	38.5	PASS
Band5	4183	3	22.39	18.01	38.5	PASS
Band5	4183	4	22.32	17.94	38.5	PASS
Band5	4233	1	22.84	18.46	38.5	PASS
Band5	4233	2	22.35	17.97	38.5	PASS
Band5	4233	3	22.33	17.95	38.5	PASS
Band5	4233	4	22.34	17.96	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	20.20	21.23	33.01	PASS
Band2	9262	2	20.71	21.74	33.01	PASS
Band2	9262	3	21.24	22.27	33.01	PASS
Band2	9262	4	20.20	21.23	33.01	PASS
Band2	9262	5	22.17	23.2	33.01	PASS
Band2	9400	1	20.48	21.51	33.01	PASS
Band2	9400	2	20.99	22.02	33.01	PASS
Band2	9400	3	21.51	22.54	33.01	PASS
Band2	9400	4	20.52	21.55	33.01	PASS
Band2	9400	5	22.44	23.47	33.01	PASS
Band2	9538	1	20.67	21.7	33.01	PASS
Band2	9538	2	21.20	22.23	33.01	PASS
Band2	9538	3	21.70	22.73	33.01	PASS

Band2	9538	4	20.72	21.75	33.01	PASS
Band2	9538	5	22.67	23.7	33.01	PASS
Band4	1312	1	20.39	21.18	30.00	PASS
Band4	1312	2	20.84	21.63	30.00	PASS
Band4	1312	3	21.36	22.15	30.00	PASS
Band4	1312	4	20.39	21.18	30.00	PASS
Band4	1312	5	22.36	23.15	30.00	PASS
Band4	1413	1	20.63	21.42	30.00	PASS
Band4	1413	2	21.13	21.92	30.00	PASS
Band4	1413	3	21.66	22.45	30.00	PASS
Band4	1413	4	20.62	21.41	30.00	PASS
Band4	1413	5	22.62	23.41	30.00	PASS
Band4	1513	1	20.68	21.47	30.00	PASS
Band4	1513	2	21.15	21.94	30.00	PASS
Band4	1513	3	21.69	22.48	30.00	PASS
Band4	1513	4	20.69	21.48	30.00	PASS
Band4	1513	5	22.65	23.44	30.00	PASS
Band5	4132	1	20.66	16.28	38.5	PASS
Band5	4132	2	21.17	16.79	38.5	PASS
Band5	4132	3	21.69	17.31	38.5	PASS
Band5	4132	4	20.70	16.32	38.5	PASS
Band5	4132	5	22.68	18.3	38.5	PASS
Band5	4183	1	20.85	16.47	38.5	PASS
Band5	4183	2	21.37	16.99	38.5	PASS
Band5	4183	3	21.90	17.52	38.5	PASS
Band5	4183	4	20.90	16.52	38.5	PASS
Band5	4183	5	22.83	18.45	38.5	PASS
Band5	4233	1	20.88	16.5	38.5	PASS
Band5	4233	2	21.38	17	38.5	PASS
Band5	4233	3	21.88	17.5	38.5	PASS
Band5	4233	4	20.90	16.52	38.5	PASS
Band5	4233	5	22.84	18.46	38.5	PASS

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

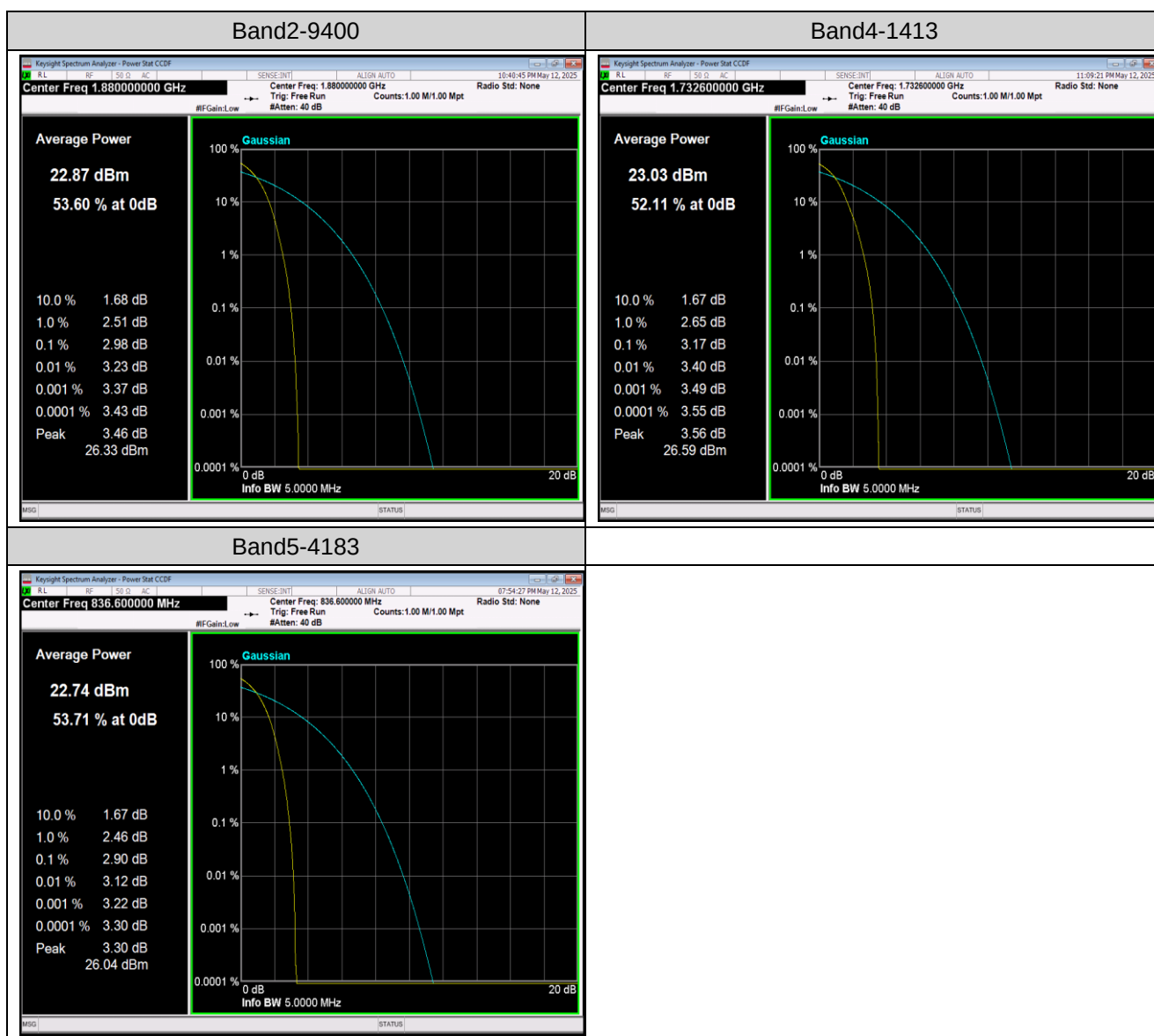
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	2.98	13	PASS
Band4	1413	3.17	13	PASS
Band5	4183	2.9	13	PASS

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

Test Graphs(WCDMA)

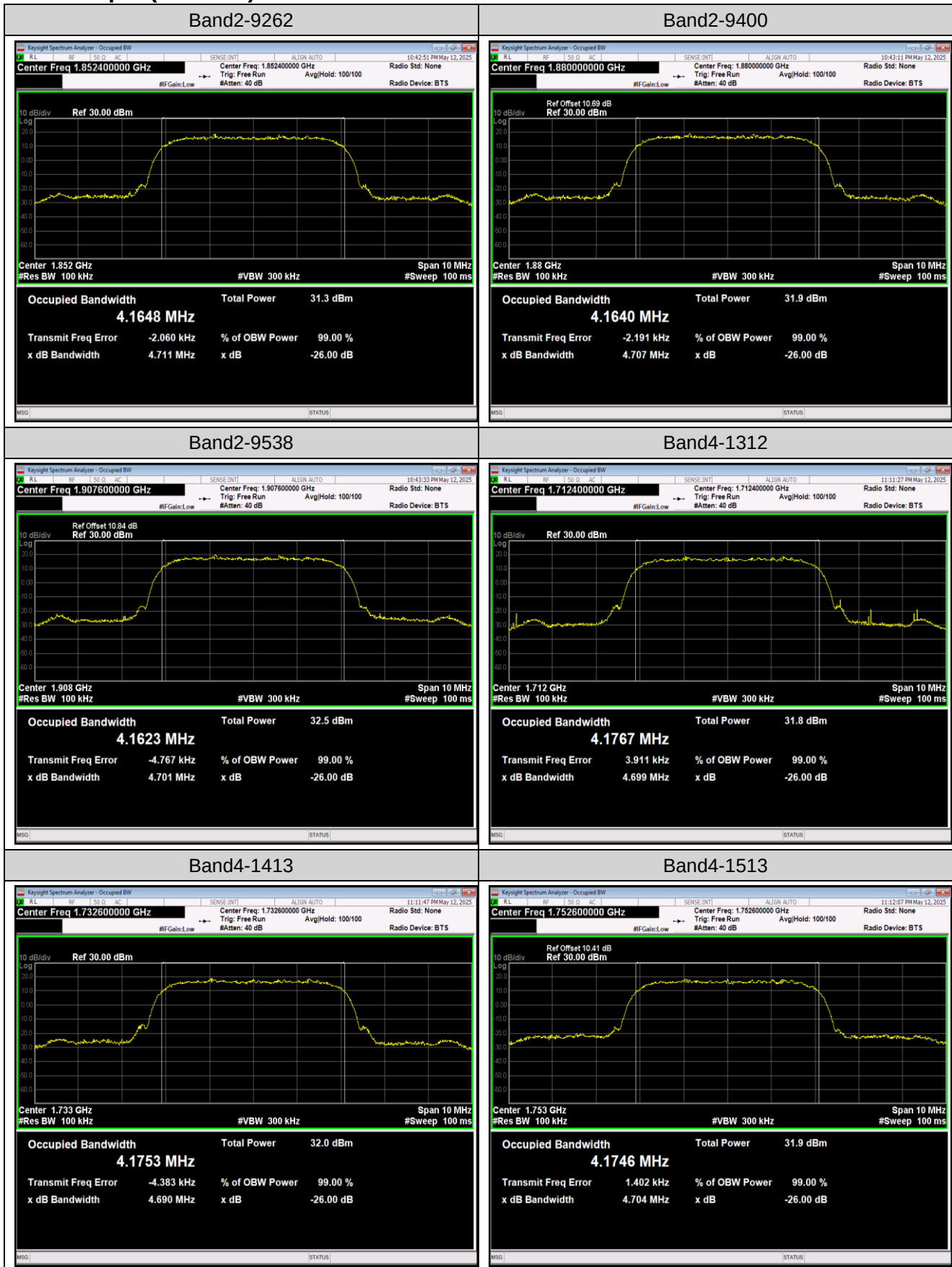


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1648	4.711	---	PASS
Band2	9400	4.1640	4.707	---	PASS
Band2	9538	4.1623	4.701	---	PASS
Band4	1312	4.1767	4.699	---	PASS
Band4	1413	4.1753	4.690	---	PASS
Band4	1513	4.1746	4.704	---	PASS
Band5	4132	4.1583	4.694	---	PASS
Band5	4183	4.1609	4.698	---	PASS
Band5	4233	4.1643	4.694	---	PASS

Test Graphs(WCDMA)



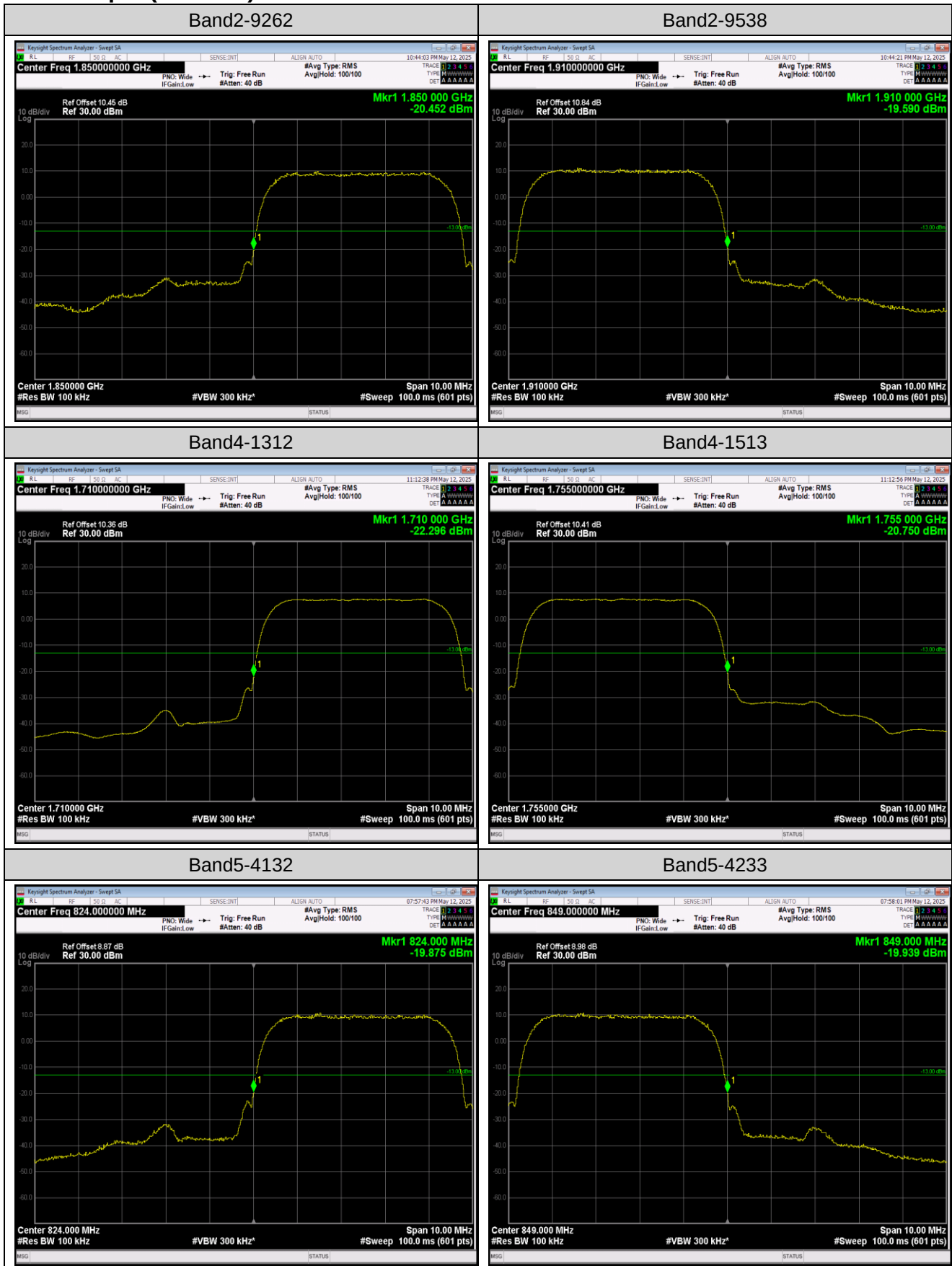


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-20.45	-13	PASS
Band2	9538	1910.00	-19.59	-13	PASS
Band4	1312	1710.00	-22.30	-13	PASS
Band4	1513	1755.00	-20.75	-13	PASS
Band5	4132	824.00	-19.87	-13	PASS
Band5	4233	849.00	-19.94	-13	PASS

Test Graphs(WCDMA)



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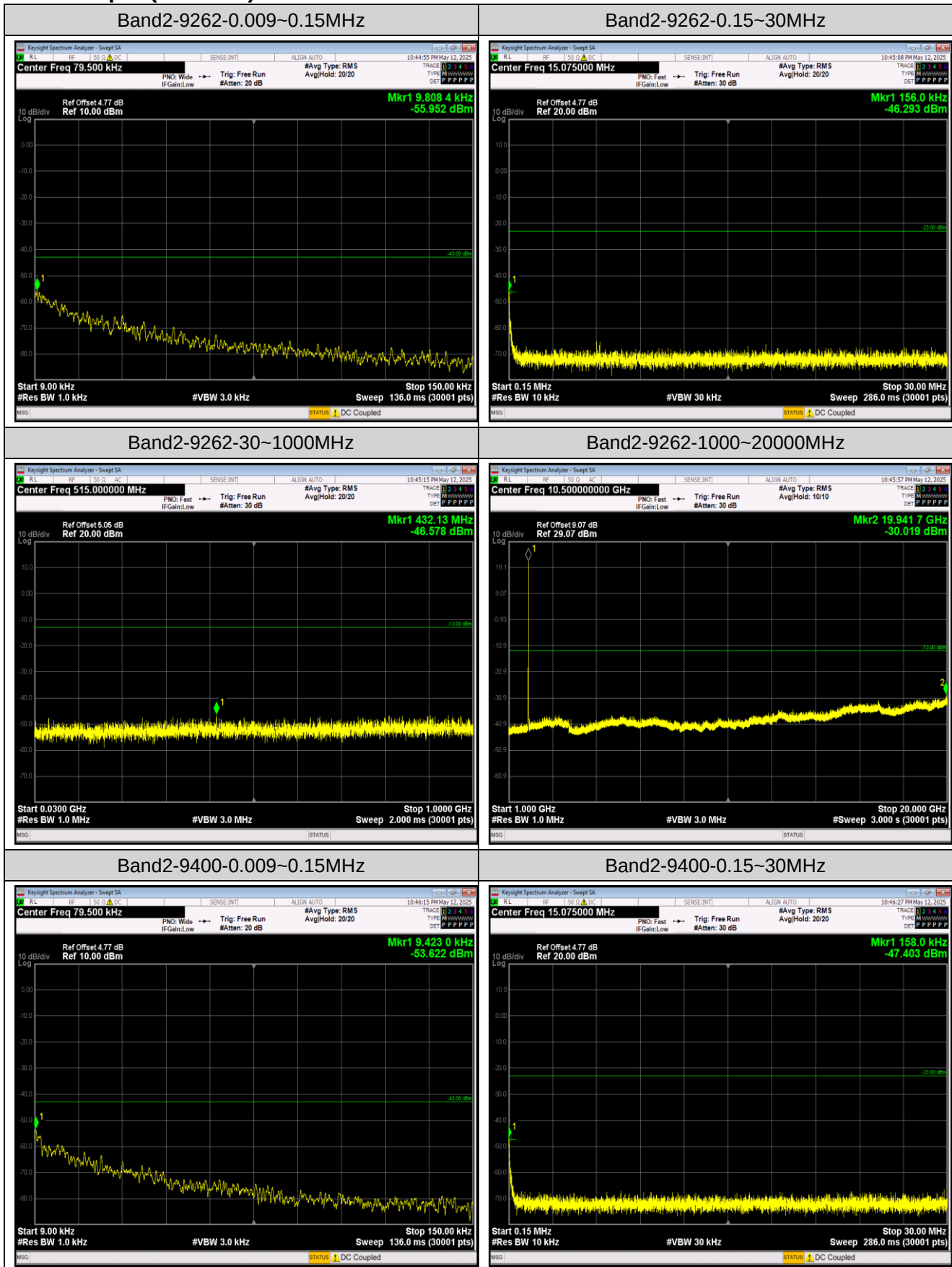
Project No.: JYTSZR2504044

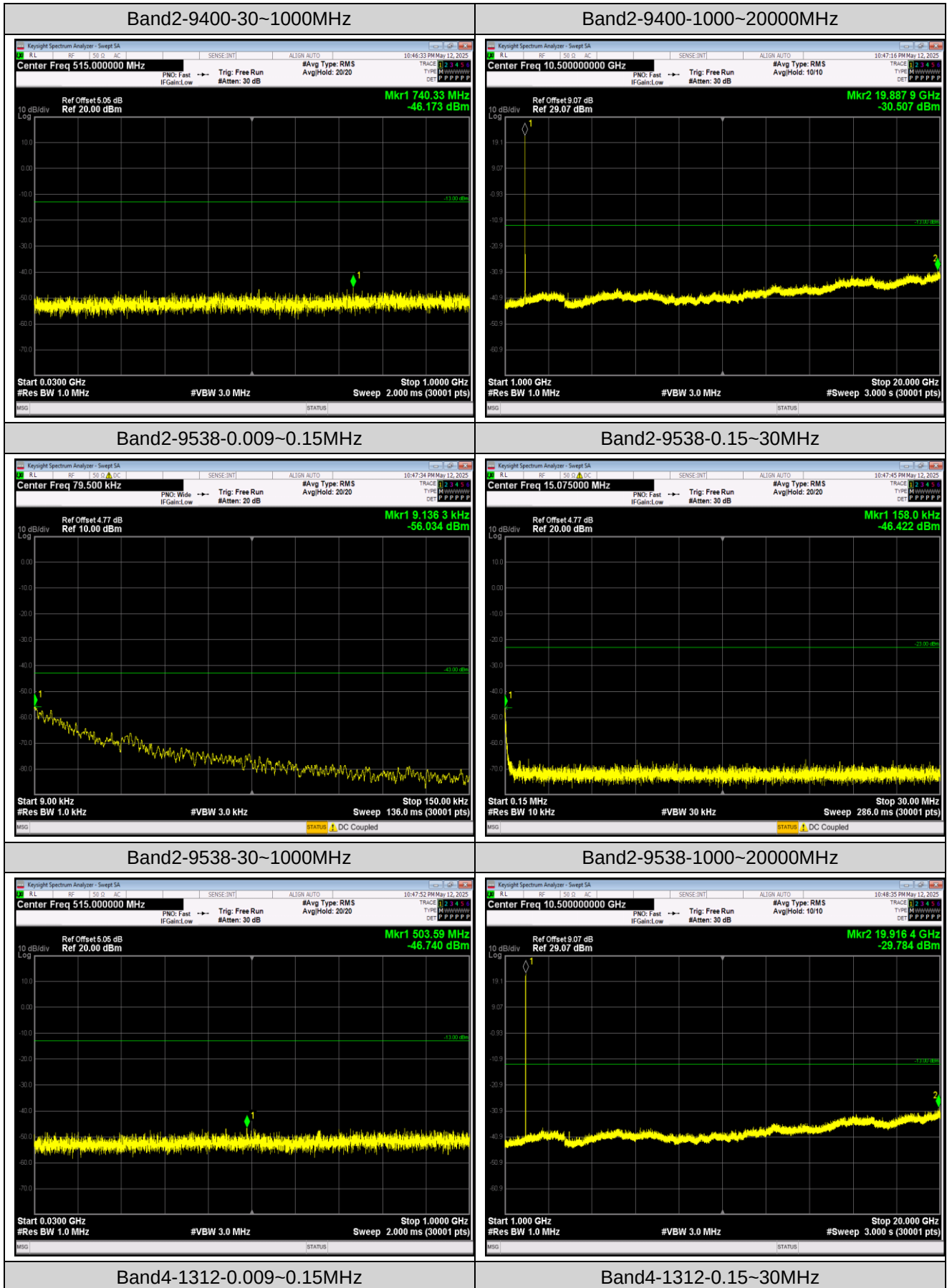
AppendixE:Conducted SpuriousEmission

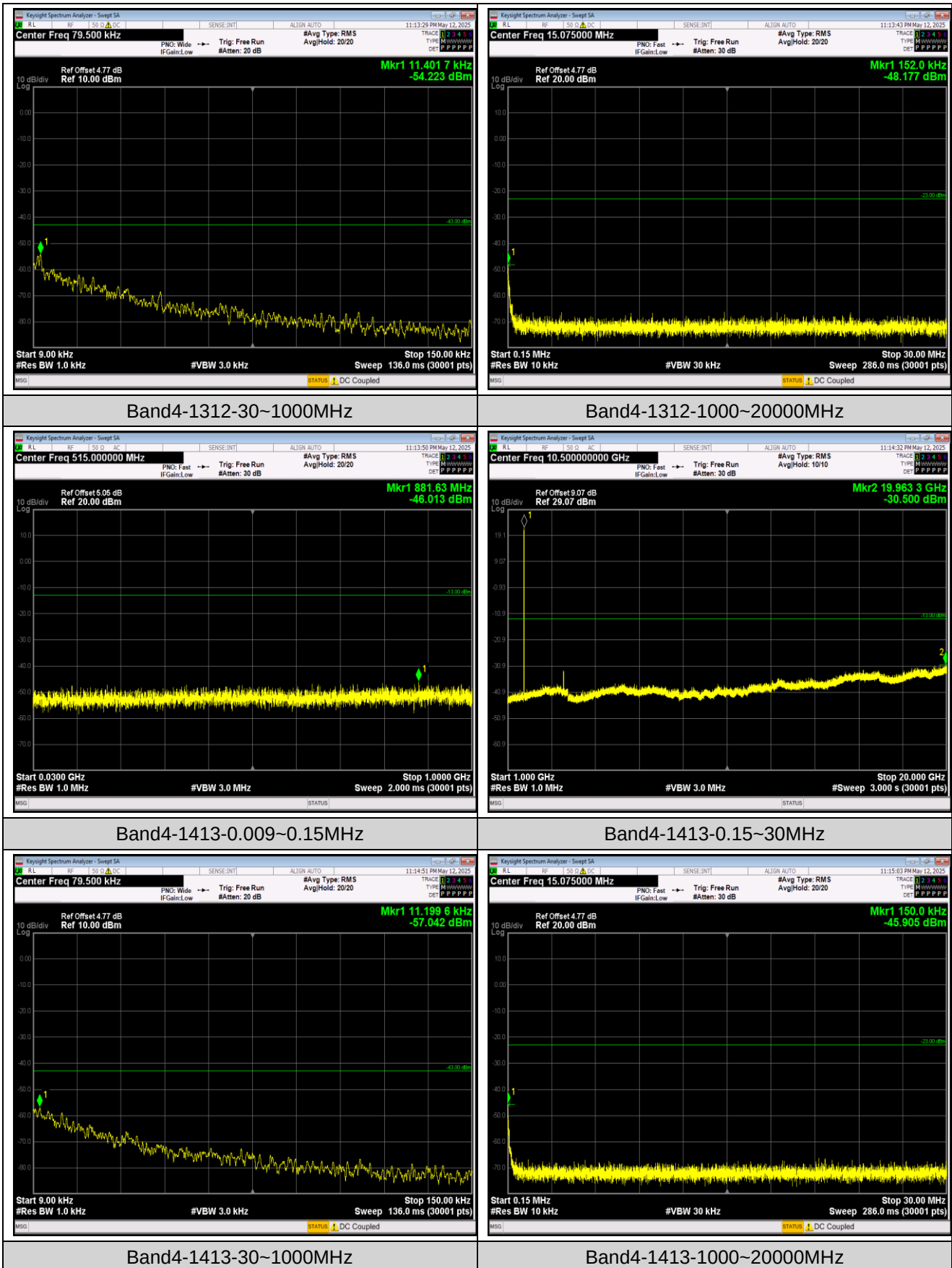
Test Result(WCDMA)

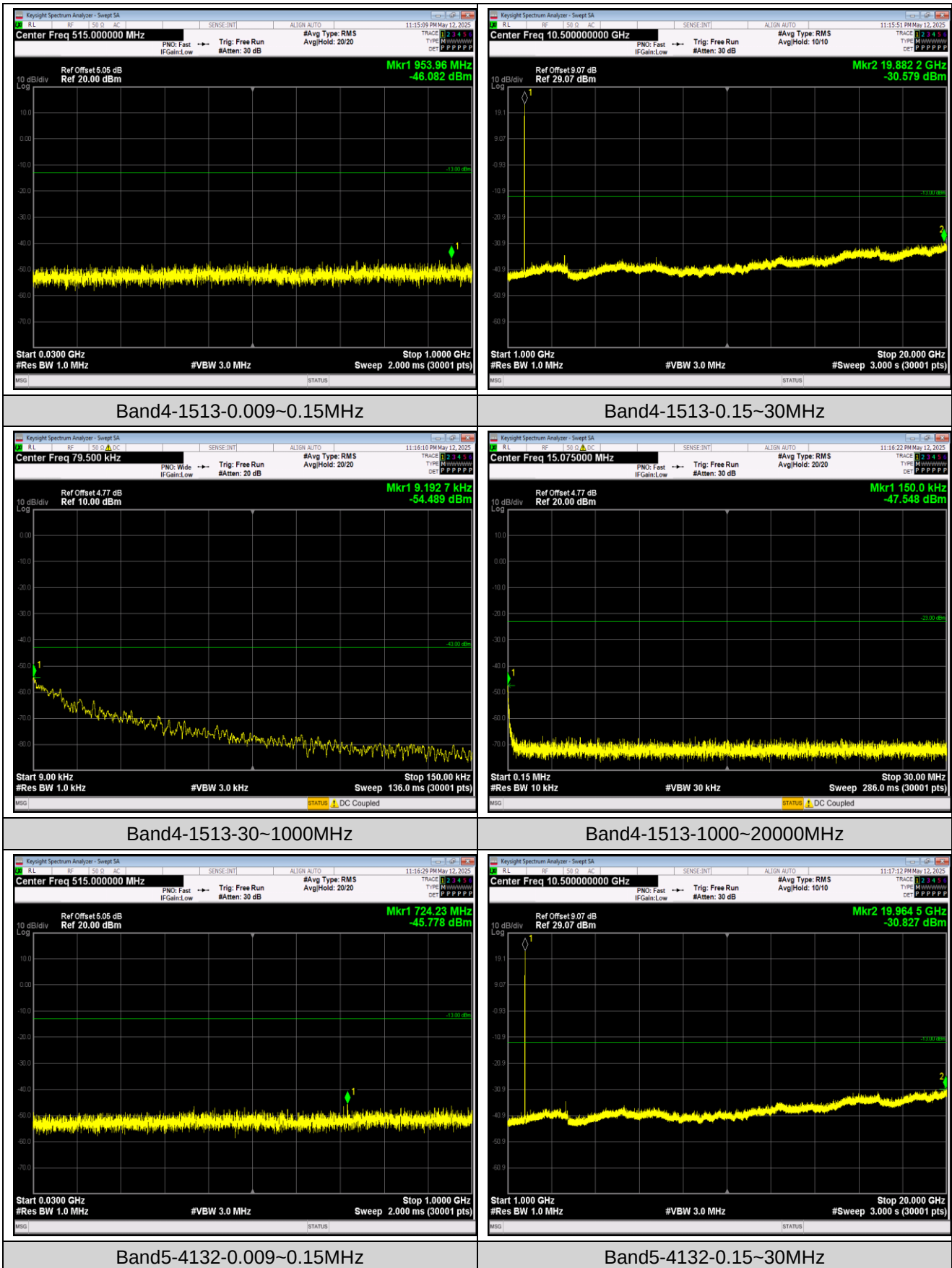
Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-55.95	-43	PASS
Band2	9262	0.15~30MHz	0.16	-46.29	-23	PASS
Band2	9262	30~1000MHz	432.13	-46.58	-13	PASS
Band2	9262	1000~20000MHz	19941.73	-30.02	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-53.62	-43	PASS
Band2	9400	0.15~30MHz	0.16	-47.4	-23	PASS
Band2	9400	30~1000MHz	740.33	-46.17	-13	PASS
Band2	9400	1000~20000MHz	19887.9	-30.51	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-56.03	-43	PASS
Band2	9538	0.15~30MHz	0.16	-46.42	-23	PASS
Band2	9538	30~1000MHz	503.59	-46.74	-13	PASS
Band2	9538	1000~20000MHz	19916.4	-29.78	-13	PASS
Band4	1312	0.009~0.15MHz	0.01	-54.22	-43	PASS
Band4	1312	0.15~30MHz	0.15	-48.18	-23	PASS
Band4	1312	30~1000MHz	881.63	-46.01	-13	PASS
Band4	1312	1000~20000MHz	19963.27	-30.5	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-57.04	-43	PASS
Band4	1413	0.15~30MHz	0.15	-45.91	-23	PASS
Band4	1413	30~1000MHz	953.96	-46.08	-13	PASS
Band4	1413	1000~20000MHz	19882.2	-30.58	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-54.49	-43	PASS
Band4	1513	0.15~30MHz	0.15	-47.55	-23	PASS
Band4	1513	30~1000MHz	724.23	-45.78	-13	PASS
Band4	1513	1000~20000MHz	19964.53	-30.83	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-56.68	-33	PASS
Band5	4132	0.15~30MHz	0.15	-47.39	-13	PASS
Band5	4132	30~1000MHz	536.08	-55.56	-13	PASS
Band5	4132	1000~10000MHz	5820.4	-36.45	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-55.63	-33	PASS
Band5	4183	0.15~30MHz	0.15	-45.75	-13	PASS
Band5	4183	30~1000MHz	724.78	-55.54	-13	PASS
Band5	4183	1000~10000MHz	6020.2	-37.31	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-55.43	-33	PASS
Band5	4233	0.15~30MHz	0.15	-48.01	-13	PASS
Band5	4233	30~1000MHz	377.58	-55.27	-13	PASS
Band5	4233	1000~10000MHz	5870.2	-36.84	-13	PASS

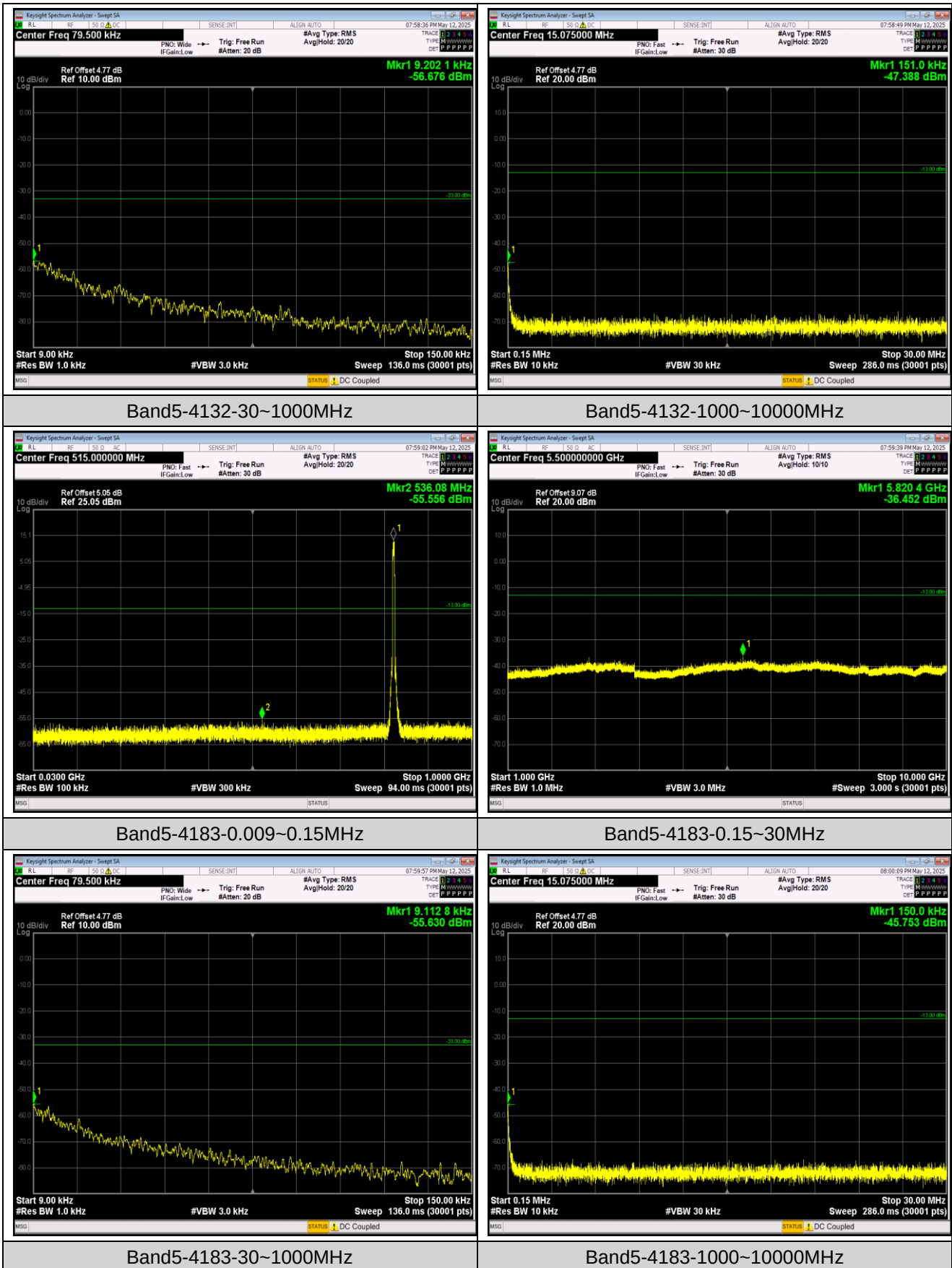
Test Graphs(WCDMA)

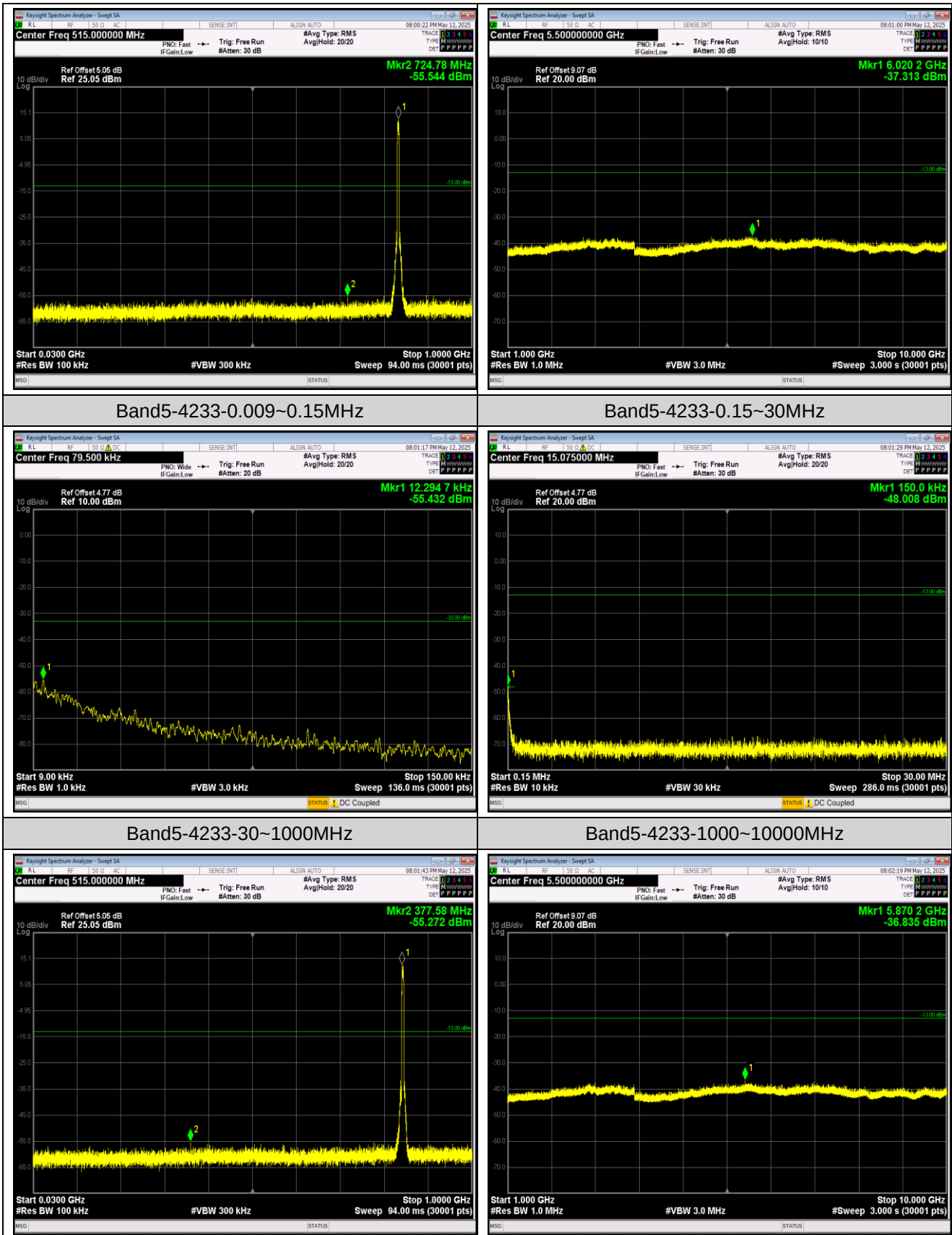












AppendixF:Frequency Stability

Test Result

Reference Frequency: WCDMA BAND V 12.2k RMC Middle channel=4183 Frequency=836.6MHz					
Temperature					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.85	-30	-10.61	-0.012682	±2.5	Pass
	-20	-6.43	-0.007686		
	-10	-9.67	-0.011559		
	0	-5.01	-0.005989		
	10	-9.14	-0.010925		
	20	-14.01	-0.016746		
	30	-8.58	-0.010256		
	40	-10.91	-0.013041		
	50	-4.28	-0.005116		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.30	-3.80	-0.004542	±2.5	Pass
	3.85	-10.75	-0.012850		
	4.42	-4.94	-0.005905		
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	-8.36	-0.004825	Within authorized band for BAND IV	Pass
	-20	-12.38	-0.007145		
	-10	-14.35	-0.008282		
	0	-15.74	-0.009085		
	10	-16.94	-0.009777		
	20	-15.52	-0.008958		
	30	-14.85	-0.008571		
	40	-13.29	-0.007671		
	50	-11.25	-0.006493		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.30	-11.44	-0.006603	Within authorized band for BAND IV	Pass
	3.85	-11.87	-0.006851		
	4.42	-13.15	-0.007590		
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	-11.92	-0.006340	Within authorized band for BAND II	Pass
	-20	-10.81	-0.005750		
	-10	-13.63	-0.007250		
	0	-13.82	-0.007351		
	10	-8.80	-0.004681		
	20	-8.73	-0.004644		
	30	-11.52	-0.006128		
	40	-14.10	-0.007500		
	50	-16.41	-0.008729		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.30	-11.99	-0.006378	Within authorized band for BAND II	Pass
	3.85	-14.71	-0.007824		
	4.42	-12.87	-0.006846		
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

