

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	23.52	23.74	33.01	PASS
Band2	TestMode	9262	23.53	23.75	33.01	PASS
Band2	Voice	9400	23.90	24.12	33.01	PASS
Band2	TestMode	9400	23.90	24.12	33.01	PASS
Band2	Voice	9538	23.71	23.93	33.01	PASS
Band2	TestMode	9538	23.73	23.95	33.01	PASS
Band5	Voice	4132	23.50	21.1	38.45	PASS
Band5	TestMode	4132	23.49	21.09	38.45	PASS
Band5	Voice	4183	23.58	21.18	38.45	PASS
Band5	TestMode	4183	23.61	21.21	38.45	PASS
Band5	Voice	4233	23.64	21.24	38.45	PASS
Band5	TestMode	4233	23.65	21.25	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	23.38	23.6	33.01	PASS
Band2	9262	2	23.38	23.6	33.01	PASS
Band2	9262	3	22.07	22.29	33.01	PASS
Band2	9262	4	22.06	22.28	33.01	PASS
Band2	9400	1	23.38	23.6	33.01	PASS
Band2	9400	2	23.46	23.68	33.01	PASS
Band2	9400	3	23.00	23.22	33.01	PASS
Band2	9400	4	23.09	23.31	33.01	PASS
Band2	9538	1	23.55	23.77	33.01	PASS
Band2	9538	2	23.78	24	33.01	PASS
Band2	9538	3	23.52	23.74	33.01	PASS
Band2	9538	4	23.58	23.8	33.01	PASS
Band5	4132	1	23.09	20.69	38.5	PASS
Band5	4132	2	22.31	19.91	38.5	PASS
Band5	4132	3	20.83	18.43	38.5	PASS
Band5	4132	4	20.85	18.45	38.5	PASS
Band5	4183	1	23.21	20.81	38.5	PASS
Band5	4183	2	22.42	20.02	38.5	PASS
Band5	4183	3	20.99	18.59	38.5	PASS

Band5	4183	4	21.07	18.67	38.5	PASS
Band5	4233	1	22.90	20.5	38.5	PASS
Band5	4233	2	22.13	19.73	38.5	PASS
Band5	4233	3	20.78	18.38	38.5	PASS
Band5	4233	4	20.75	18.35	38.5	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band2	9262	1	20.27	20.49	33.01	PASS
Band2	9262	2	20.96	21.18	33.01	PASS
Band2	9262	3	20.75	20.97	33.01	PASS
Band2	9262	4	21.01	21.23	33.01	PASS
Band2	9262	5	22.58	22.8	33.01	PASS
Band2	9400	1	21.46	21.68	33.01	PASS
Band2	9400	2	21.89	22.11	33.01	PASS
Band2	9400	3	21.71	21.93	33.01	PASS
Band2	9400	4	21.99	22.21	33.01	PASS
Band2	9400	5	23.47	23.69	33.01	PASS
Band2	9538	1	21.89	22.11	33.01	PASS
Band2	9538	2	22.36	22.58	33.01	PASS
Band2	9538	3	22.12	22.34	33.01	PASS
Band2	9538	4	22.46	22.68	33.01	PASS
Band2	9538	5	23.03	23.25	33.01	PASS
Band5	4132	1	20.20	17.8	38.5	PASS
Band5	4132	2	20.40	18	38.5	PASS
Band5	4132	3	20.11	17.71	38.5	PASS
Band5	4132	4	19.91	17.51	38.5	PASS
Band5	4132	5	23.21	20.81	38.5	PASS
Band5	4183	1	20.24	17.84	38.5	PASS
Band5	4183	2	20.46	18.06	38.5	PASS
Band5	4183	3	20.16	17.76	38.5	PASS
Band5	4183	4	19.96	17.56	38.5	PASS
Band5	4183	5	23.36	20.96	38.5	PASS
Band5	4233	1	19.93	17.53	38.5	PASS
Band5	4233	2	20.17	17.77	38.5	PASS
Band5	4233	3	19.82	17.42	38.5	PASS
Band5	4233	4	19.67	17.27	38.5	PASS
Band5	4233	5	23.21	20.81	38.5	PASS

Remark: EIRP (dBm) = Conducted power (dBm) + Antenna Gain (dBi). (For Band2)

ERP (dBm) = EIRP (dBm) - 2.15 (dB). (For Band5)

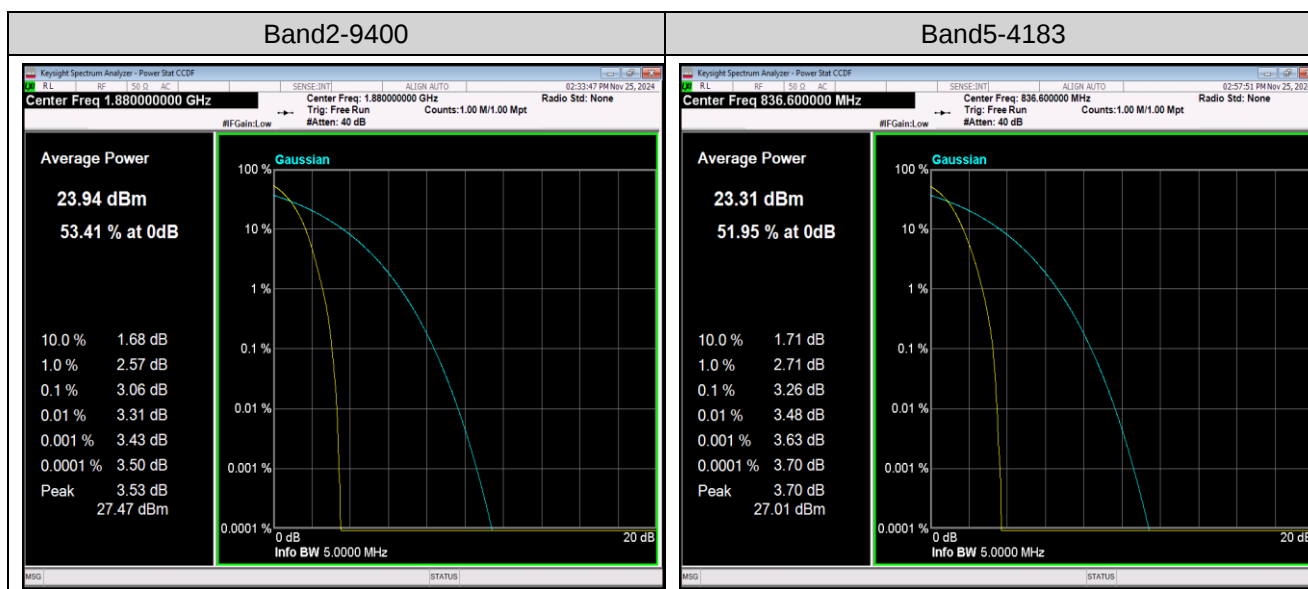
AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.06	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)

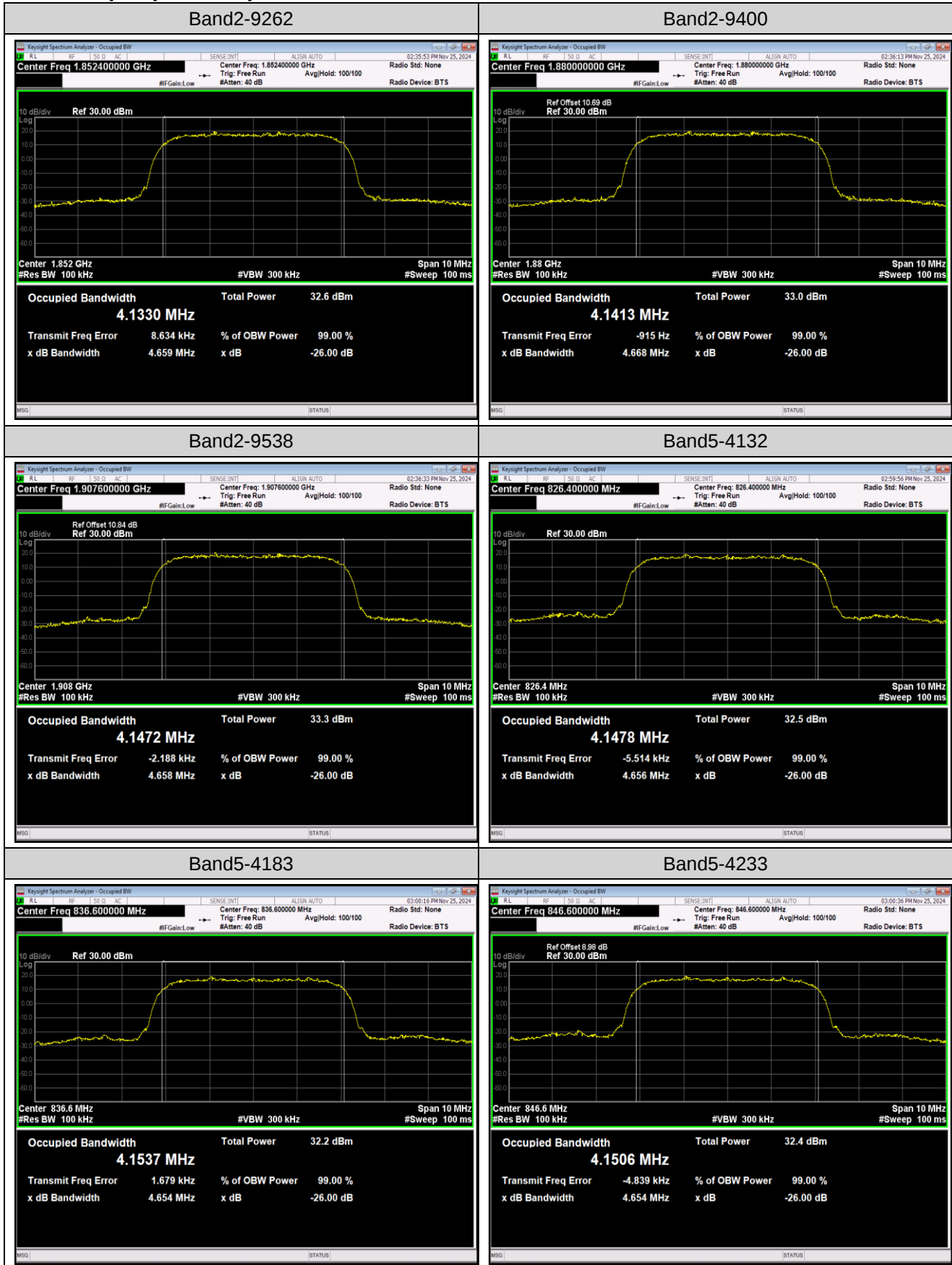


AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band2	9262	4.1330	4.659	---	PASS
Band2	9400	4.1413	4.668	---	PASS
Band2	9538	4.1472	4.658	---	PASS
Band5	4132	4.1478	4.656	---	PASS
Band5	4183	4.1537	4.654	---	PASS
Band5	4233	4.1506	4.654	---	PASS

Test Graphs(WCDMA)

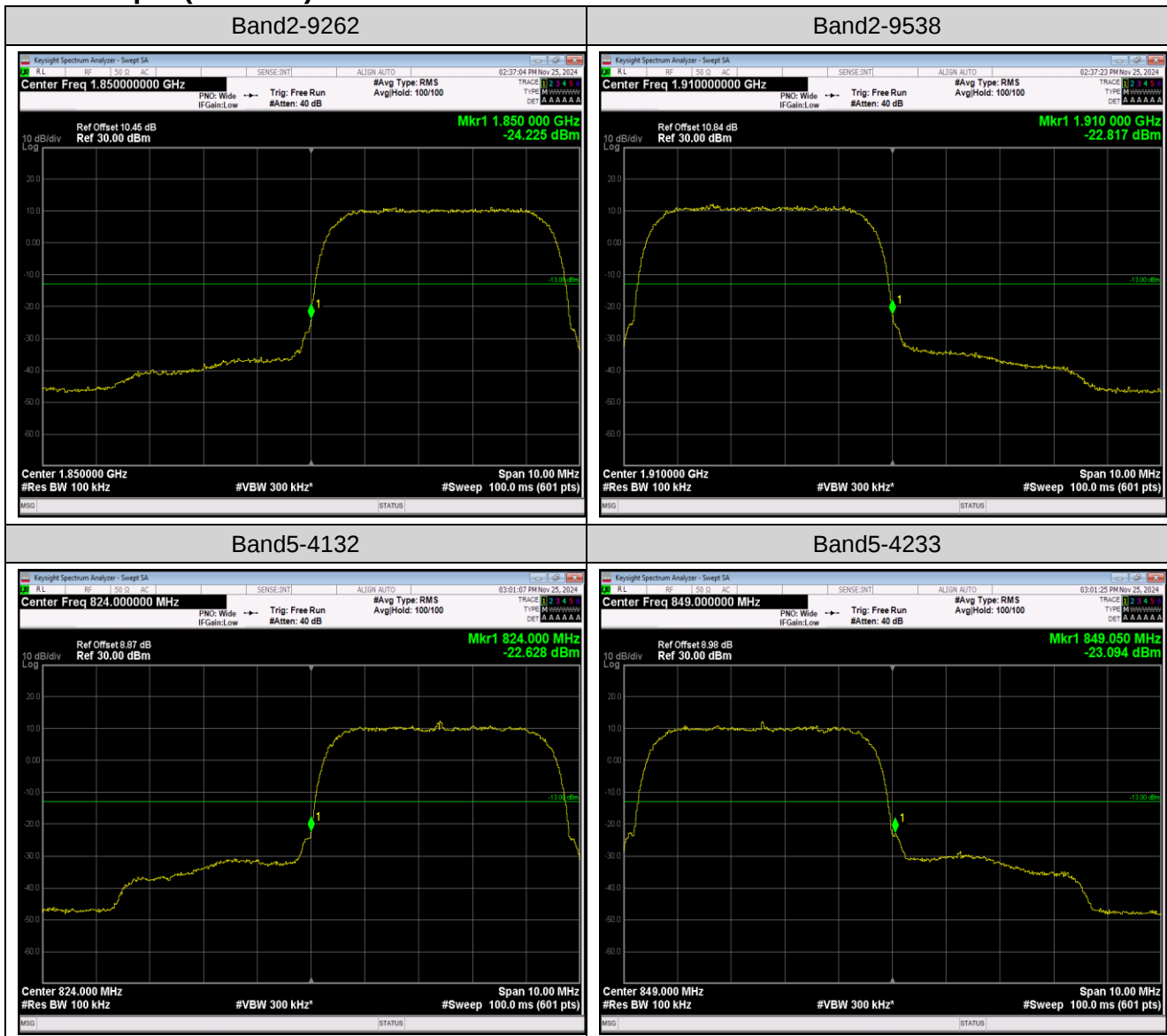


AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-24.23	-13	PASS
Band2	9538	1910.00	-22.82	-13	PASS
Band5	4132	824.00	-22.63	-13	PASS
Band5	4233	849.05	-23.09	-13	PASS

Test Graphs(WCDMA)

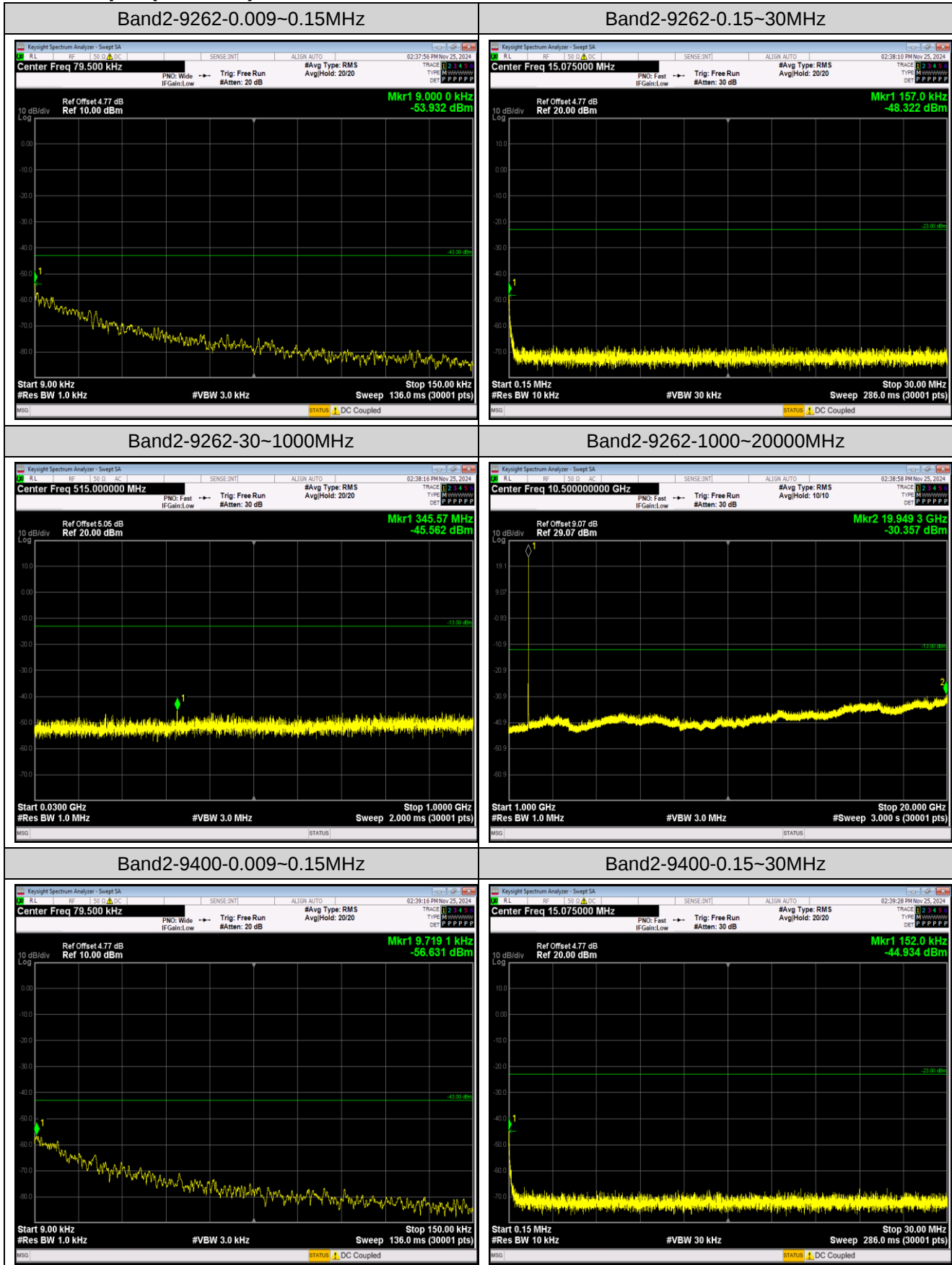


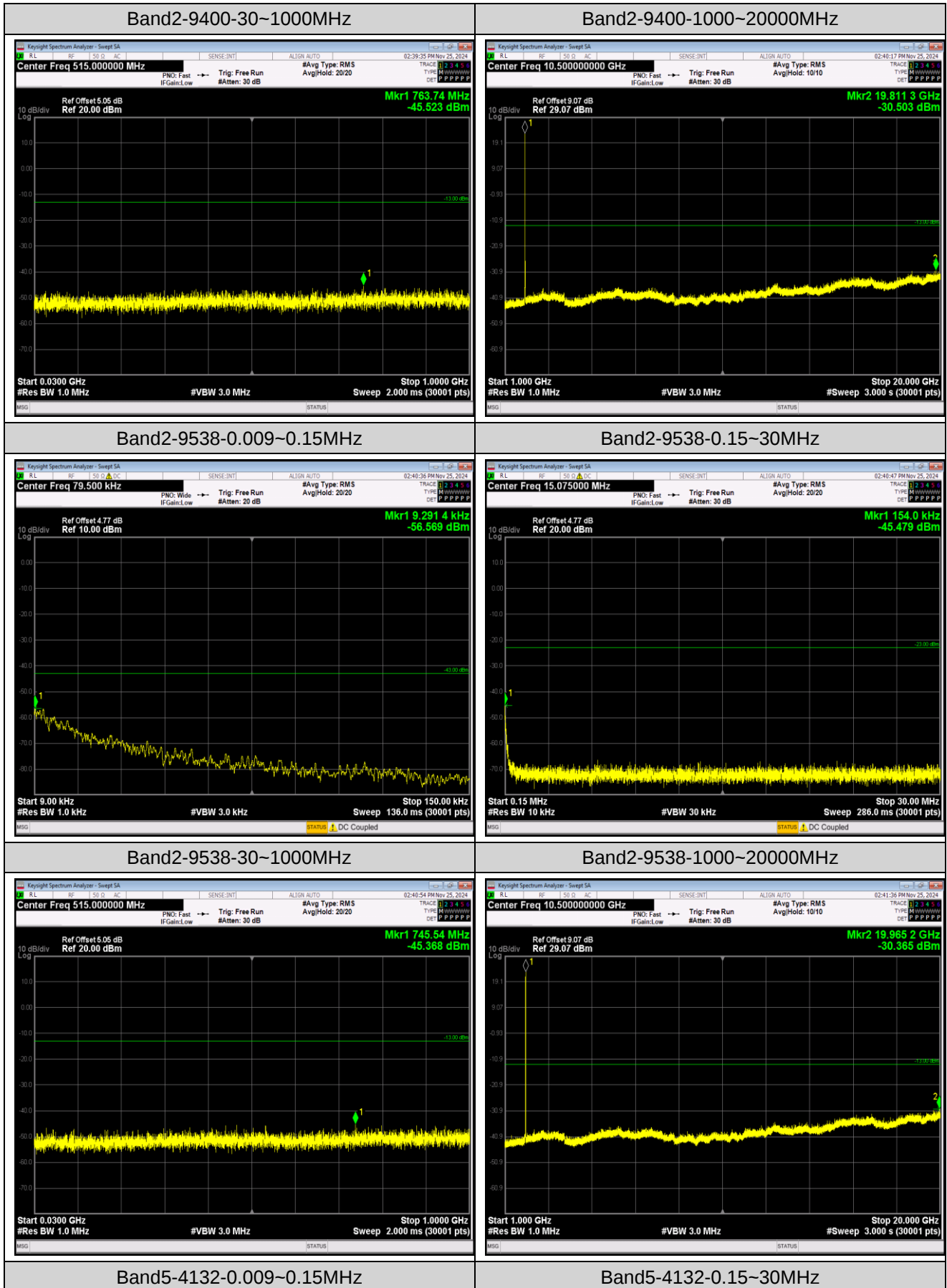
AppendixE:Conducted SpuriousEmission

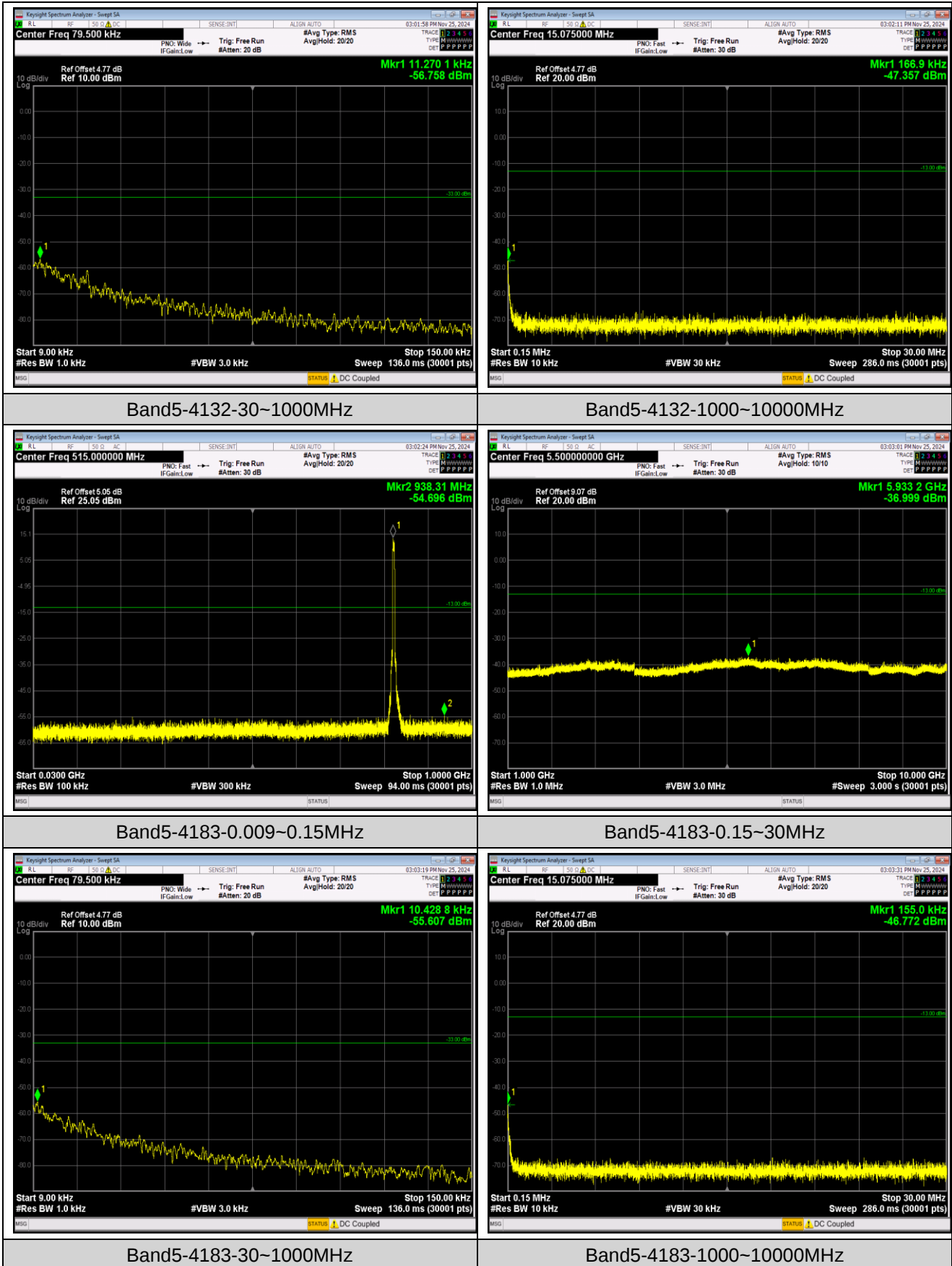
Test Result(WCDMA)

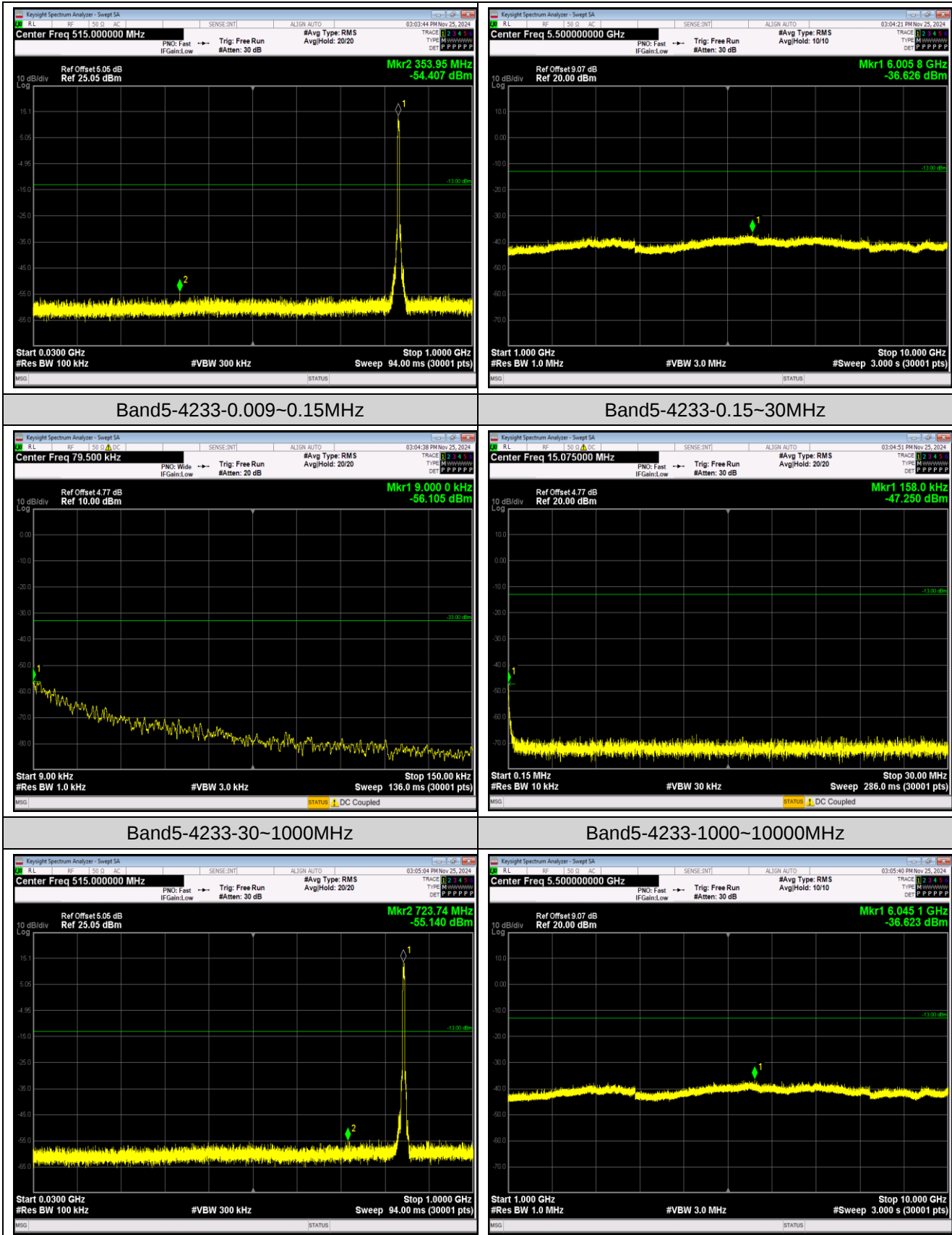
Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	0.009~0.15MHz	0.01	-53.93	-43	PASS
Band2	9262	0.15~30MHz	0.16	-48.32	-23	PASS
Band2	9262	30~1000MHz	345.57	-45.56	-13	PASS
Band2	9262	1000~20000MHz	19949.33	-30.36	-13	PASS
Band2	9400	0.009~0.15MHz	0.01	-56.63	-43	PASS
Band2	9400	0.15~30MHz	0.15	-44.93	-23	PASS
Band2	9400	30~1000MHz	763.74	-45.52	-13	PASS
Band2	9400	1000~20000MHz	19811.27	-30.5	-13	PASS
Band2	9538	0.009~0.15MHz	0.01	-56.57	-43	PASS
Band2	9538	0.15~30MHz	0.15	-45.48	-23	PASS
Band2	9538	30~1000MHz	745.54	-45.37	-13	PASS
Band2	9538	1000~20000MHz	19965.17	-30.37	-13	PASS
Band5	4132	0.009~0.15MHz	0.01	-56.76	-33	PASS
Band5	4132	0.15~30MHz	0.17	-47.36	-13	PASS
Band5	4132	30~1000MHz	938.31	-54.7	-13	PASS
Band5	4132	1000~10000MHz	5933.2	-37	-13	PASS
Band5	4183	0.009~0.15MHz	0.01	-55.61	-33	PASS
Band5	4183	0.15~30MHz	0.15	-46.77	-13	PASS
Band5	4183	30~1000MHz	353.95	-54.41	-13	PASS
Band5	4183	1000~10000MHz	6005.8	-36.63	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-56.11	-33	PASS
Band5	4233	0.15~30MHz	0.16	-47.25	-13	PASS
Band5	4233	30~1000MHz	723.74	-55.14	-13	PASS
Band5	4233	1000~10000MHz	6045.1	-36.62	-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		
3.70	-30	0.34	0.000406	±2.5	Pass
	-20	0.25	0.000299		
	-10	1.57	0.001877		
	0	2.35	0.002809		
	10	2.58	0.003084		
	20	2.47	0.002952		
	30	1.50	0.001793		
	40	0.99	0.001183		
	50	1.52	0.001817		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-0.20	-0.000239	±2.5	Pass
	3.70	0.54	0.000645		
	4.20	0.79	0.000944		
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		
3.70	-30	3.49	0.001856	Within authorized band for BAND II	Pass
	-20	2.40	0.001277		
	-10	-5.40	-0.002872		
	0	-4.61	-0.002452		
	10	-6.49	-0.003452		
	20	6.16	0.003277		
	30	7.90	0.004202		
	40	7.51	0.003995		
	50	2.98	0.001585		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	3.50	-1.85	-0.000984	Within authorized band for BAND II	Pass
	3.70	-5.76	-0.003064		
	4.20	5.54	0.002947		
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
Band5	4183	PASS	PASS

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

Test Graphs

