

Appendix for WCDMA

CONTENTS

AppendixA: Effective (Isotropic) Radiated Power Output Data	3
Test Result(WCDMA)	3
Test Result(HSDPA)	3
Test Result(HSUPA)	4
AppendixB:Peak-to-Average Ratio	5
Test Result(WCDMA)	5
Test Result(HSDPA)	5
Test Result(HSUPA)	5
Test Graphs(WCDMA)	6
Test Graphs(HSDPA)	7
Test Graphs(HSUPA)	8
AppendixC:26dB Bandwidth andOccupied Bandwidth	9
Test Result(WCDMA)	9
Test Result(HSDPA)	9
Test Result(HSUPA)	9
Test Graphs(WCDMA)	10
Test Graphs(HSDPA)	11
Test Graphs(HSUPA)	12
AppendixD:Band Edge	13
Test Result(WCDMA)	13
Test Result(HSDPA)	13
Test Result(HSUPA)	13
Test Graphs(WCDMA)	14
Test Graphs(HSDPA)	15
Test Graphs(HSUPA)	16
AppendixE:Conducted SpuriousEmission	17
Test Result(WCDMA)	17
Test Result(HSDPA)	17
Test Result(HSUPA)	18
Test Graphs(WCDMA)	20
Test Graphs(HSDPA)	24
Test Graphs(HSUPA)	28
AppendixF:Frequency Stability	32
Test Result(WCDMA)	32
Test Result(HSDPA)	34
Test Result(HSUPA)	36
Appendix G: Modulation Characteristics	38
Test Result(WCDMA)	38
Test Graphs(WCDMA)	39

AppendixA: Effective (Isotropic) Radiated Power Output Data

Test Result(WCDMA)

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	22.58	33	PASS
Band2	9400	22.53	33	PASS
Band2	9538	22.59	33	PASS
Band5	4132	23.08	38.45	PASS
Band5	4182	23.02	38.45	PASS
Band5	4233	22.93	38.45	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	1	22.27	33	PASS
Band2	9262	2	21.07	33	PASS
Band2	9262	3	20.70	33	PASS
Band2	9262	4	20.54	33	PASS
Band2	9400	1	22.11	33	PASS
Band2	9400	2	20.64	33	PASS
Band2	9400	3	20.42	33	PASS
Band2	9400	4	20.29	33	PASS
Band2	9538	1	21.96	33	PASS
Band2	9538	2	21.75	33	PASS
Band2	9538	3	21.45	33	PASS
Band2	9538	4	21.36	33	PASS
Band5	4132	1	22.08	38.45	PASS
Band5	4132	2	20.32	38.45	PASS
Band5	4132	3	19.53	38.45	PASS
Band5	4132	4	19.51	38.45	PASS
Band5	4182	1	22.14	38.45	PASS
Band5	4182	2	20.40	38.45	PASS
Band5	4182	3	19.47	38.45	PASS
Band5	4182	4	19.27	38.45	PASS
Band5	4233	1	21.83	38.45	PASS
Band5	4233	2	20.42	38.45	PASS
Band5	4233	3	19.49	38.45	PASS
Band5	4233	4	19.29	38.45	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	1	20.10	33	PASS
Band2	9262	2	19.23	33	PASS
Band2	9262	3	19.92	33	PASS
Band2	9262	4	19.28	33	PASS
Band2	9262	5	21.89	33	PASS
Band2	9400	1	19.33	33	PASS
Band2	9400	2	19.01	33	PASS
Band2	9400	3	19.69	33	PASS
Band2	9400	4	19.06	33	PASS
Band2	9400	5	21.53	33	PASS
Band2	9538	1	19.11	33	PASS
Band2	9538	2	19.97	33	PASS
Band2	9538	3	20.62	33	PASS
Band2	9538	4	20.03	33	PASS
Band2	9538	5	21.67	33	PASS
Band5	4132	1	20.92	38.45	PASS
Band5	4132	2	20.18	38.45	PASS
Band5	4132	3	20.83	38.45	PASS
Band5	4132	4	20.34	38.45	PASS
Band5	4132	5	22.60	38.45	PASS
Band5	4182	1	20.10	38.45	PASS
Band5	4182	2	19.85	38.45	PASS
Band5	4182	3	20.60	38.45	PASS
Band5	4182	4	20.02	38.45	PASS
Band5	4182	5	22.26	38.45	PASS
Band5	4233	1	19.73	38.45	PASS
Band5	4233	2	19.91	38.45	PASS
Band5	4233	3	20.56	38.45	PASS
Band5	4233	4	20.08	38.45	PASS
Band5	4233	5	22.12	38.45	PASS

AppendixB:Peak-to-Average Ratio

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	2.48	13	PASS
Band2	9400	2.77	13	PASS
Band2	9538	2.77	13	PASS
Band5	4132	3.02	13	PASS
Band5	4182	2.97	13	PASS
Band5	4233	2.92	13	PASS

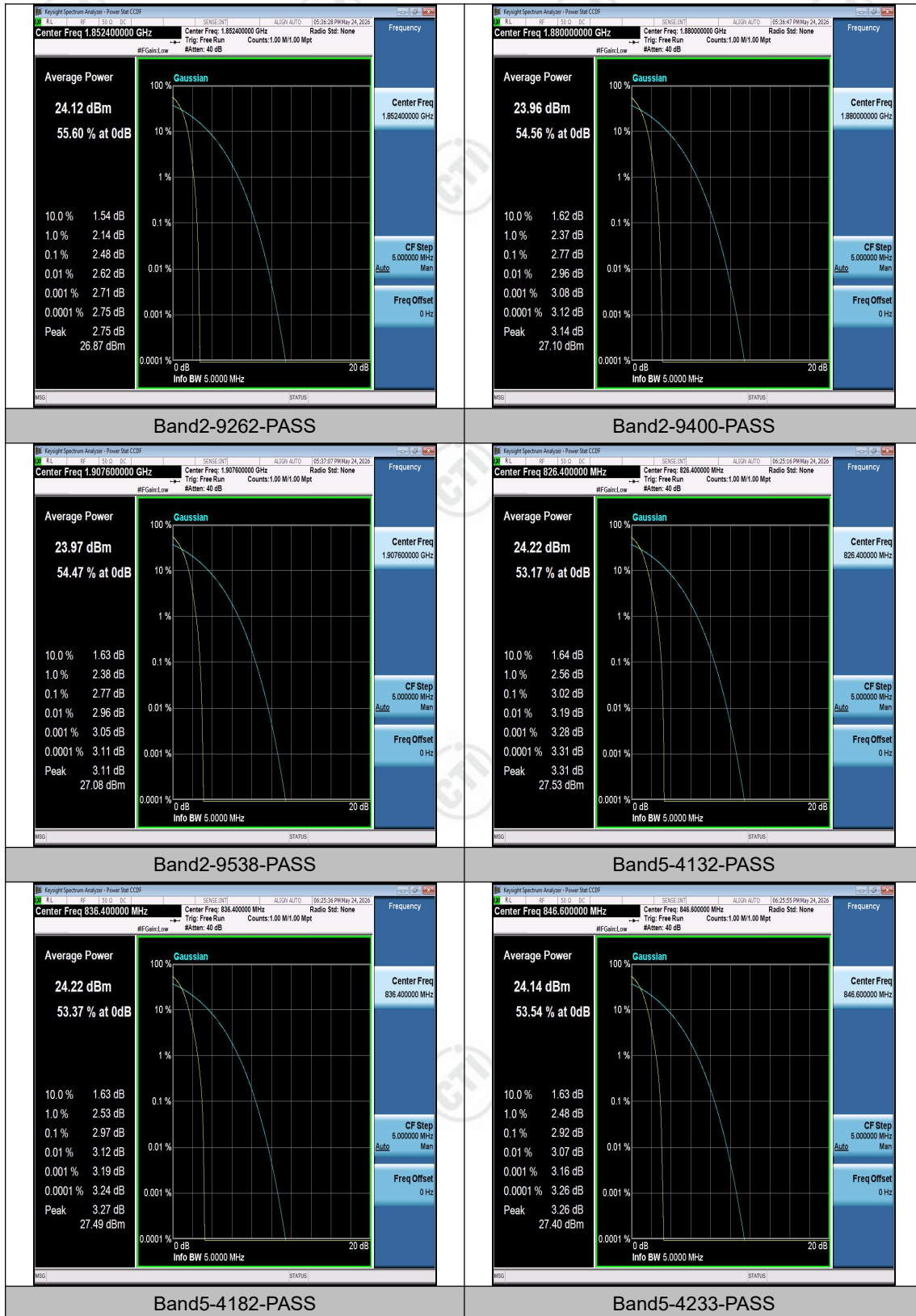
Test Result(HSDPA)

Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	1	2.56	13	PASS
Band2	9400	1	2.86	13	PASS
Band2	9538	1	2.91	13	PASS
Band5	4132	1	3.11	13	PASS
Band5	4182	1	3.09	13	PASS
Band5	4233	1	3.05	13	PASS

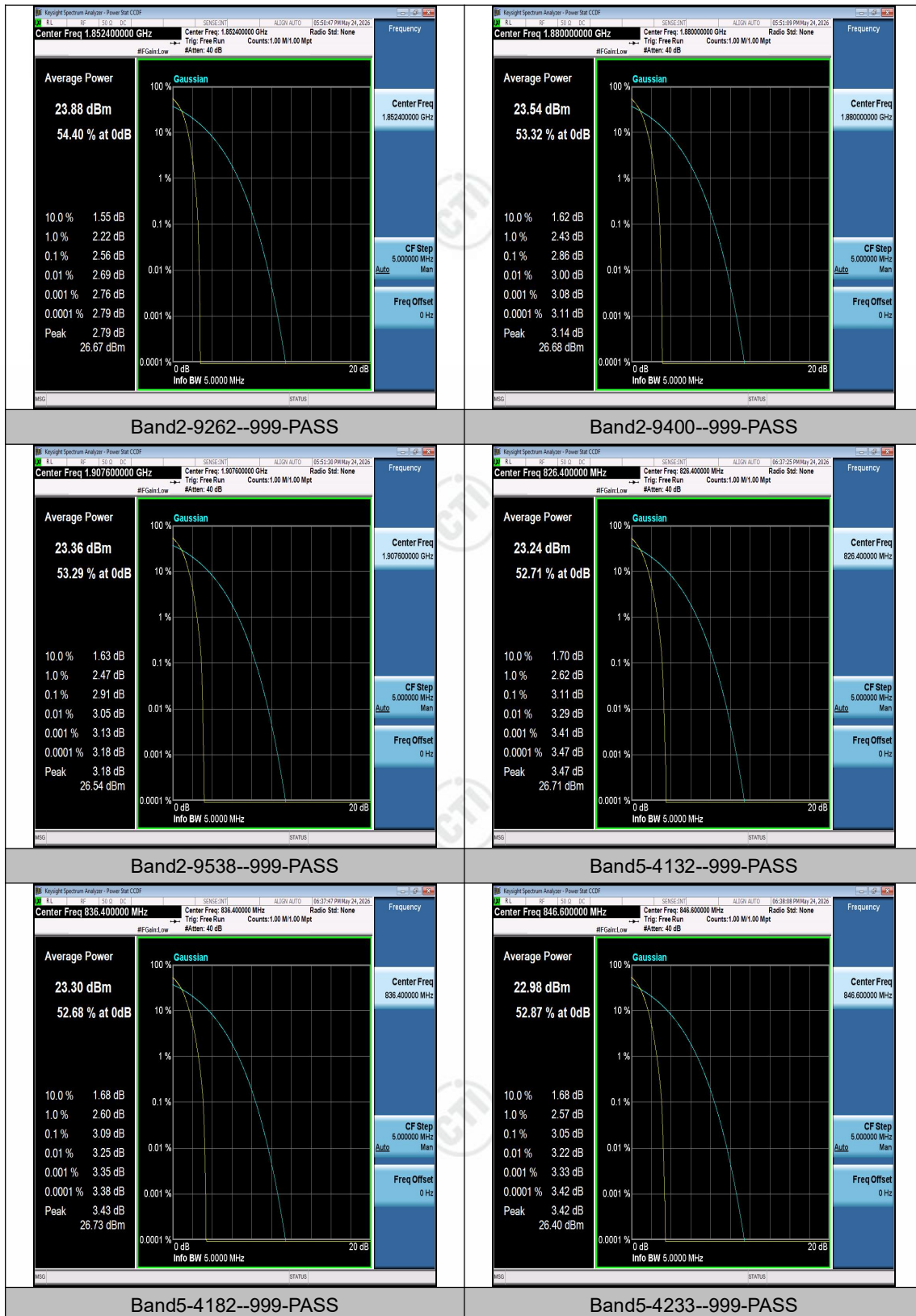
Test Result(HSUPA)

Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	1	4.1	13	PASS
Band2	9400	1	4.24	13	PASS
Band2	9538	1	4.35	13	PASS
Band5	4132	1	4.51	13	PASS
Band5	4182	1	4.45	13	PASS
Band5	4233	1	4.49	13	PASS

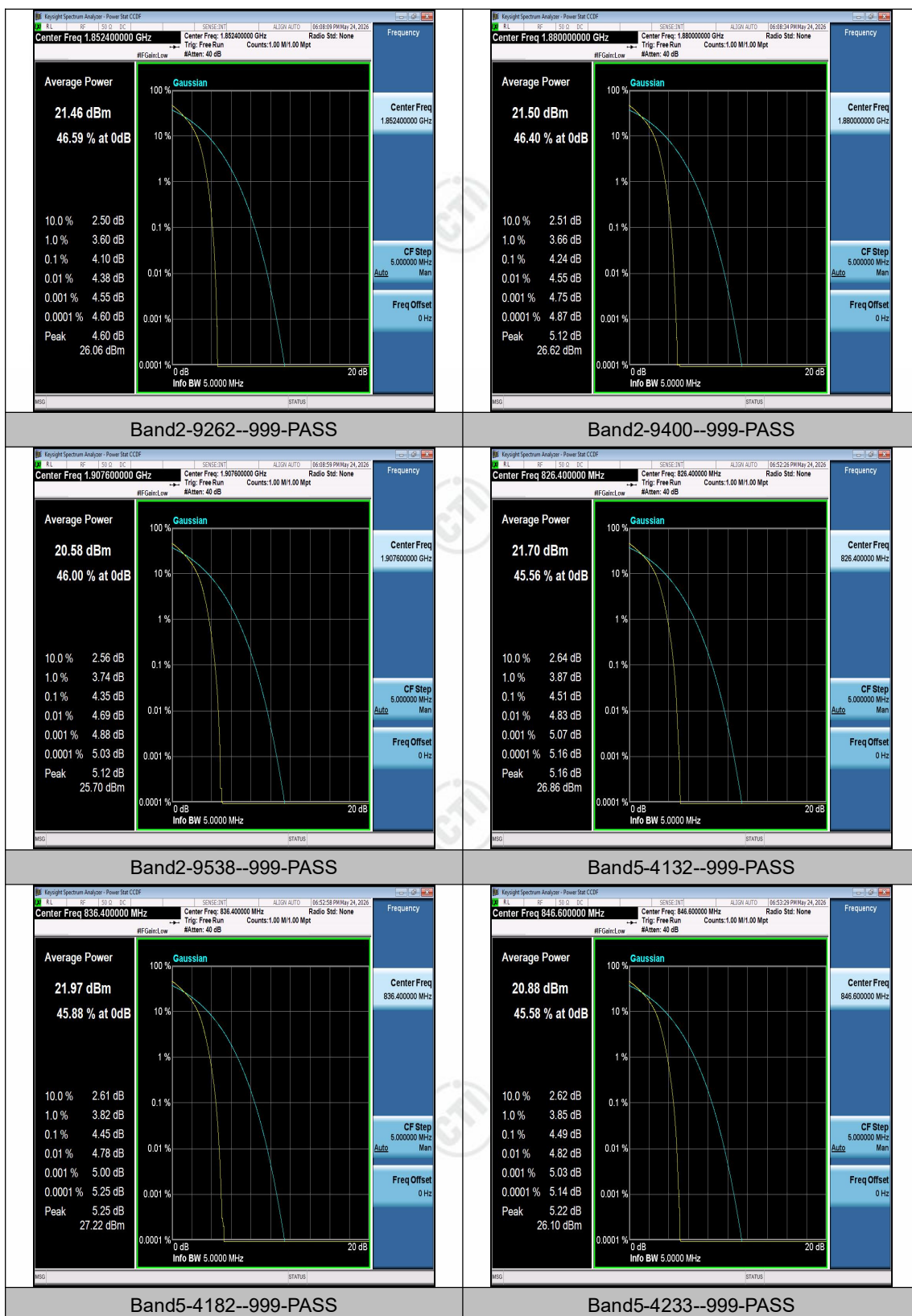
Test Graphs(WCDMA)



Test Graphs(HSDPA)



Test Graphs(HSUPA)



AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band2	9262	4.1535	4.687	---	PASS
Band2	9400	4.1530	4.681	---	PASS
Band2	9538	4.1482	4.678	---	PASS
Band5	4132	4.1466	4.691	---	PASS
Band5	4182	4.1486	4.671	---	PASS
Band5	4233	4.1504	4.695	---	PASS

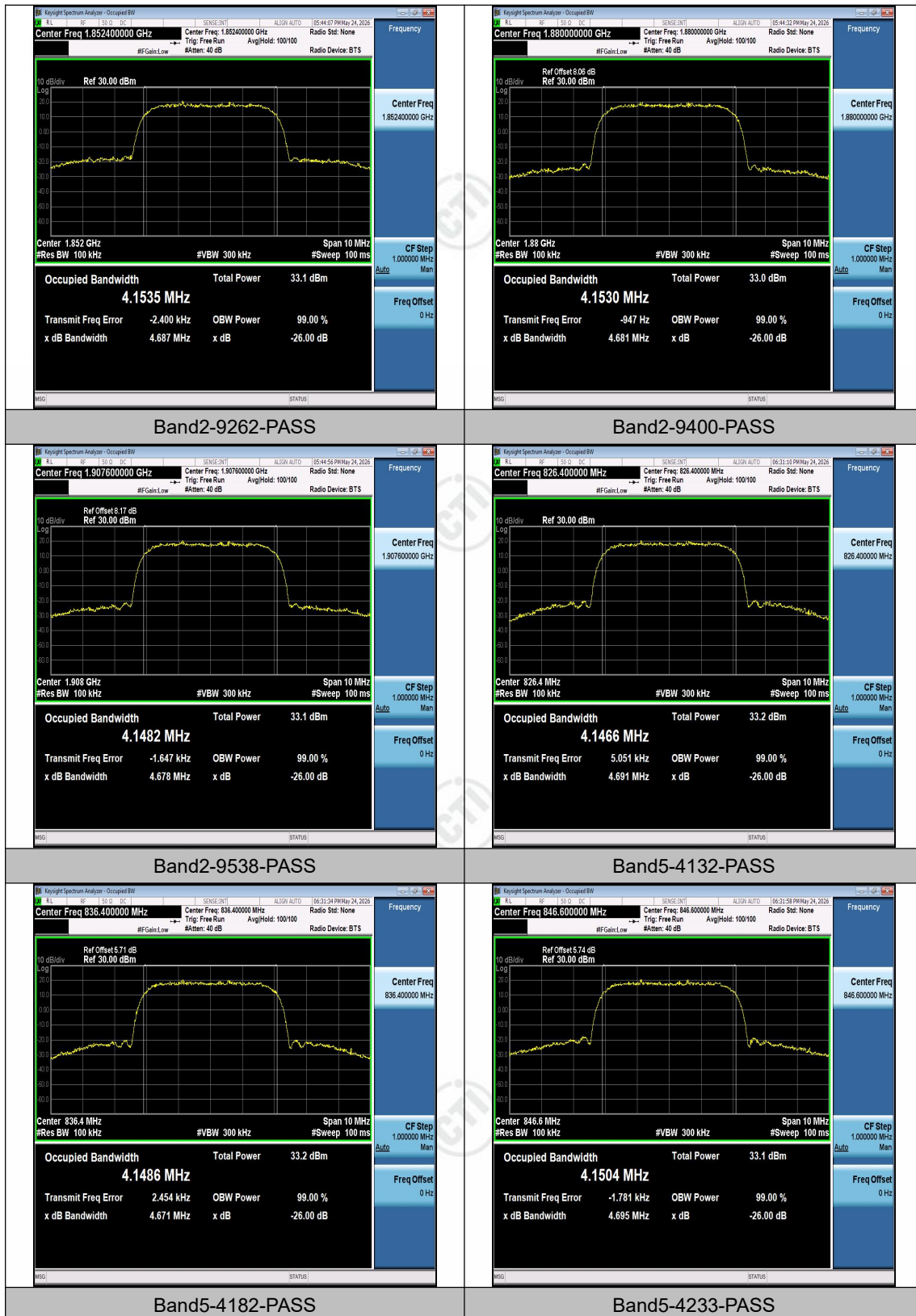
Test Result(HSDPA)

Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band2	9262	1	4.1490	4.689	---	PASS
Band2	9400	1	4.1466	4.683	---	PASS
Band2	9538	1	4.1505	4.682	---	PASS
Band5	4132	1	4.1410	4.657	---	PASS
Band5	4182	1	4.1366	4.666	---	PASS
Band5	4233	1	4.1450	4.661	---	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band2	9262	1	4.1660	4.695	---	PASS
Band2	9400	1	4.1623	4.689	---	PASS
Band2	9538	1	4.1634	4.676	---	PASS
Band5	4132	1	4.1630	4.662	---	PASS
Band5	4182	1	4.1639	4.672	---	PASS
Band5	4233	1	4.1746	4.671	---	PASS

Test Graphs(WCDMA)



Test Graphs(HSDPA)



Test Graphs(HSUPA)



AppendixD:Band Edge

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-26.23	-13	PASS
Band2	9538	1910.00	-31.63	-13	PASS
Band5	4132	823.75	-32.06	-13	PASS
Band5	4233	849.00	-30.61	-13	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1	1850.00	-27.94	-13	PASS
Band2	9538	1	1910.00	-33.17	-13	PASS
Band5	4132	1	823.93	-29.91	-13	PASS
Band5	4233	1	849.06	-31.15	-13	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1	1850.00	-34.20	-13	PASS
Band2	9538	1	1910.07	-36.15	-13	PASS
Band5	4132	1	823.93	-29.75	-13	PASS
Band5	4233	1	849.08	-30.95	-13	PASS

Test Graphs(WCDMA)

