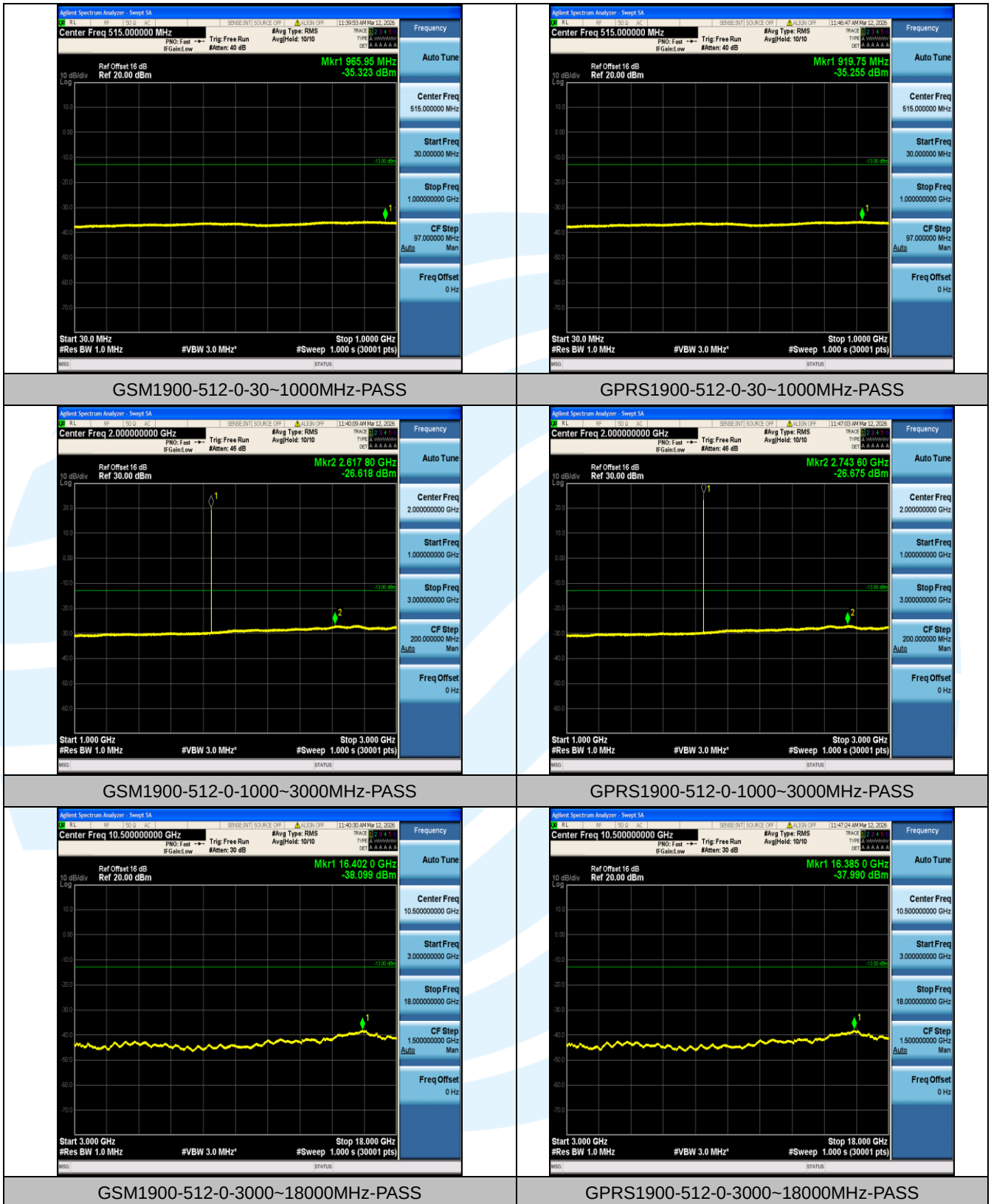
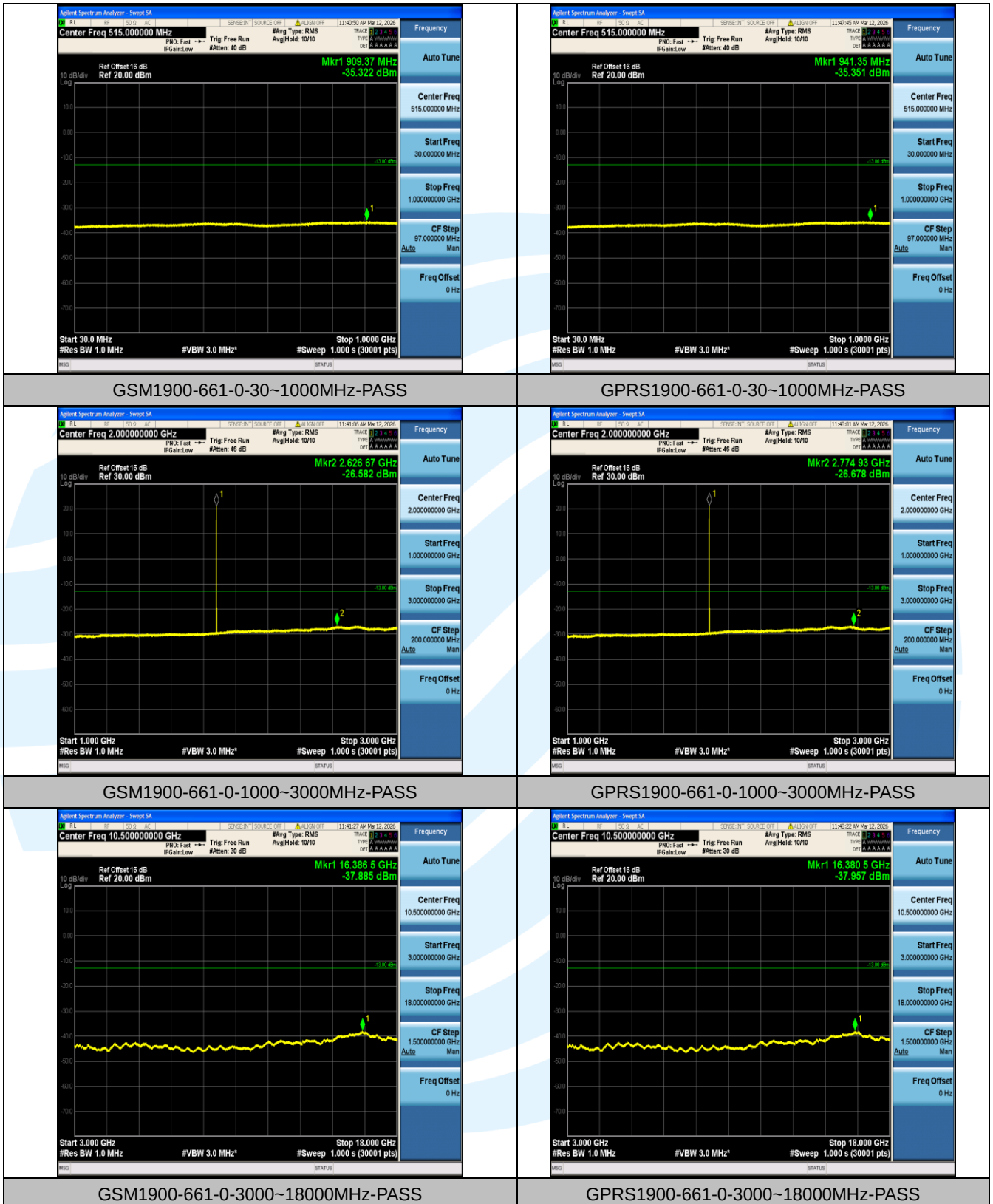
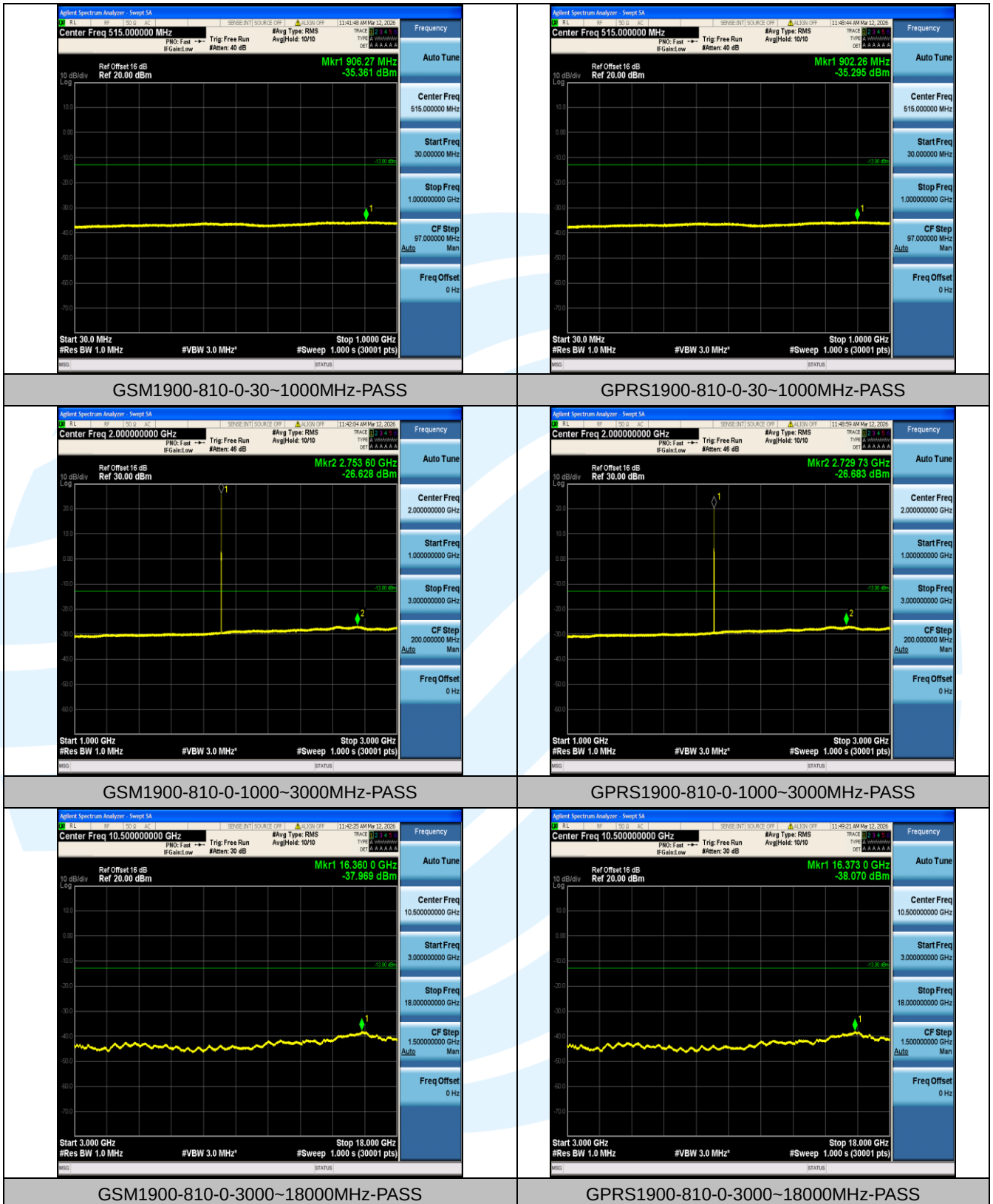
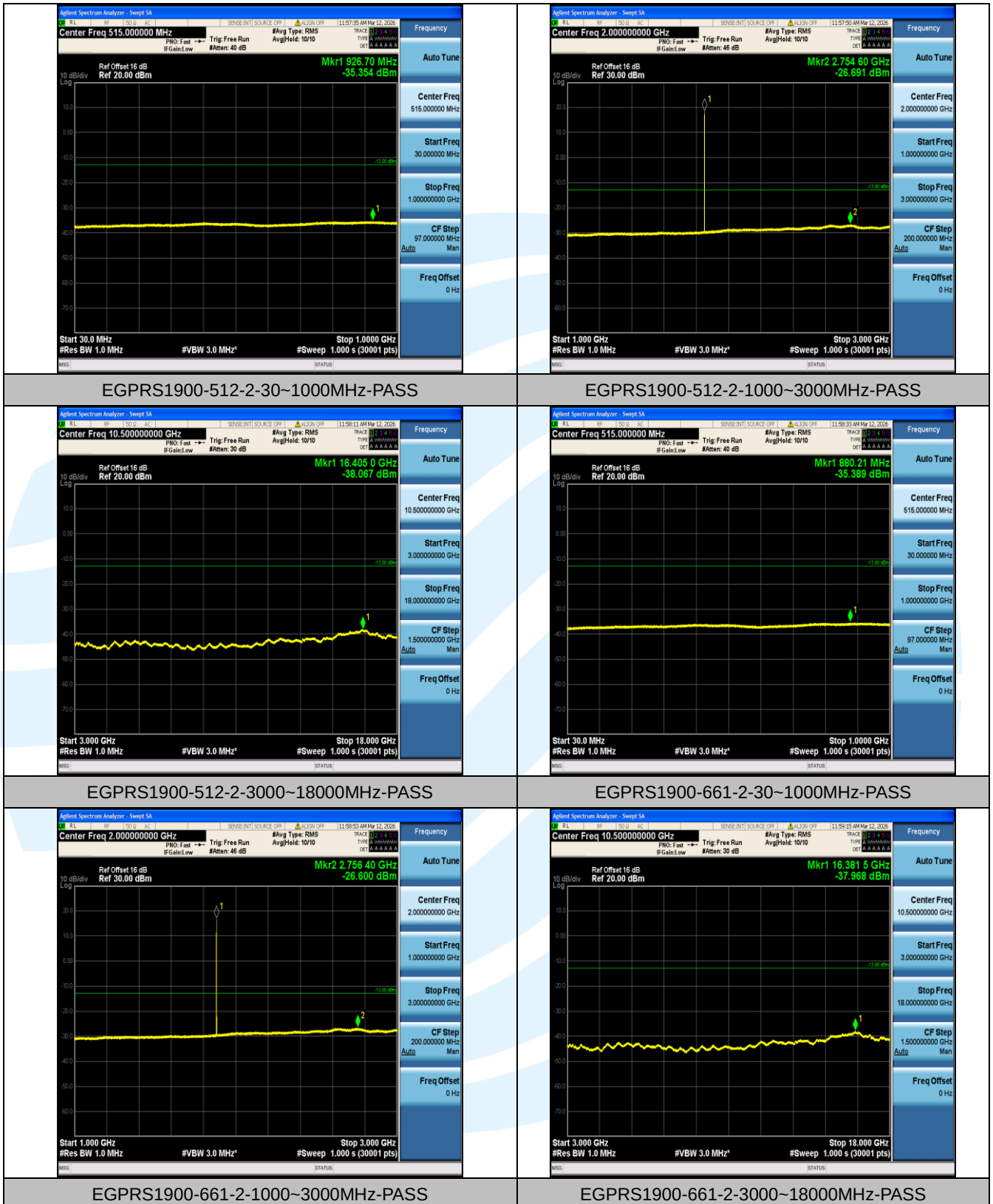
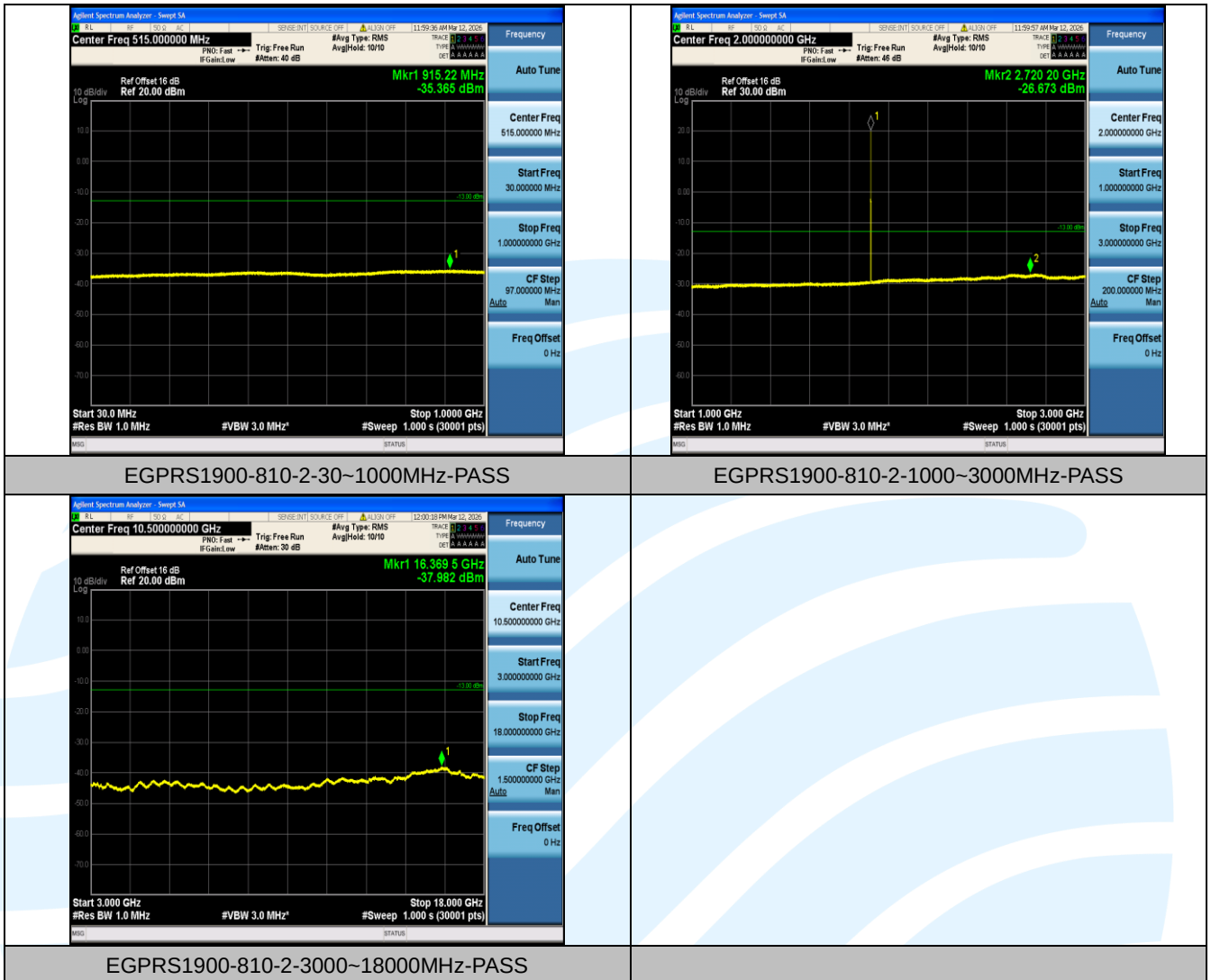












A.5 FREQUENCY STABILITY

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	190	VN	NT	9.94	0.011881	±2.5	PASS
GSM850	190	VL	NT	9.01	0.010770	±2.5	PASS
GSM850	190	VH	NT	6.62	0.007913	±2.5	PASS
EGPRS850	190	VN	NT	7.97	0.009527	±2.5	PASS
EGPRS850	190	VL	NT	9.85	0.011774	±2.5	PASS
EGPRS850	190	VH	NT	15.63	0.018683	±2.5	PASS
GSM1900	661	VN	NT	6.81	0.003622	±2.5	PASS
GSM1900	661	VL	NT	4.68	0.002489	±2.5	PASS
GSM1900	661	VH	NT	8.65	0.004601	±2.5	PASS
EGPRS1900	661	VH	NT	10.56	0.005617	±2.5	PASS
EGPRS1900	661	VN	NT	14.04	0.007468	±2.5	PASS
EGPRS1900	661	VL	NT	16.08	0.008553	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	190	NV	-30	7.14	0.008535	±2.5	PASS
GSM850	190	NV	-20	4.97	0.005941	±2.5	PASS
GSM850	190	NV	-10	8.49	0.010148	±2.5	PASS
GSM850	190	NV	0	8.94	0.010686	±2.5	PASS
GSM850	190	NV	10	8.94	0.010686	±2.5	PASS
GSM850	190	NV	20	10.33	0.012348	±2.5	PASS
GSM850	190	NV	30	11.43	0.013662	±2.5	PASS
GSM850	190	NV	40	11.53	0.013782	±2.5	PASS
GSM850	190	NV	50	6.81	0.008140	±2.5	PASS
EGPRS850	190	NV	0	9.52	0.011379	±2.5	PASS
EGPRS850	190	NV	10	8.07	0.009646	±2.5	PASS
EGPRS850	190	NV	20	9.88	0.011810	±2.5	PASS
EGPRS850	190	NV	30	11.30	0.013507	±2.5	PASS
EGPRS850	190	NV	40	11.69	0.013973	±2.5	PASS
EGPRS850	190	NV	50	8.56	0.010232	±2.5	PASS
EGPRS850	190	NV	-30	10.65	0.012730	±2.5	PASS
EGPRS850	190	NV	-20	10.17	0.012156	±2.5	PASS
EGPRS850	190	NV	-10	9.81	0.011726	±2.5	PASS
GSM1900	661	NV	-30	13.92	0.007404	±2.5	PASS
GSM1900	661	NV	-20	22.44	0.011936	±2.5	PASS
GSM1900	661	NV	-10	15.69	0.008346	±2.5	PASS

GSM1900	661	NV	0	-1.90	-0.001011	±2.5	PASS
GSM1900	661	NV	10	6.17	0.003282	±2.5	PASS
GSM1900	661	NV	20	2.45	0.001303	±2.5	PASS
GSM1900	661	NV	30	6.91	0.003676	±2.5	PASS
GSM1900	661	NV	40	14.43	0.007676	±2.5	PASS
GSM1900	661	NV	50	5.29	0.002814	±2.5	PASS
EGPRS1900	661	NV	-30	22.18	0.011798	±2.5	PASS
EGPRS1900	661	NV	-20	15.34	0.008160	±2.5	PASS
EGPRS1900	661	NV	-10	11.33	0.006027	±2.5	PASS
EGPRS1900	661	NV	0	6.36	0.003383	±2.5	PASS
EGPRS1900	661	NV	10	9.20	0.004894	±2.5	PASS
EGPRS1900	661	NV	20	15.69	0.008346	±2.5	PASS
EGPRS1900	661	NV	30	9.36	0.004979	±2.5	PASS
EGPRS1900	661	NV	40	14.24	0.007574	±2.5	PASS
EGPRS1900	661	NV	50	4.42	0.002351	±2.5	PASS

APPENDIX B:WCDMA

B 1. PEAK-TO-AVERAGE RATIO

Test Result(WCDMA)

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	3.16	13	PASS
Band2	9400	3.09	13	PASS
Band2	9538	3.13	13	PASS
Band5	4132	3.15	13	PASS
Band5	4182	3.13	13	PASS
Band5	4233	3.13	13	PASS

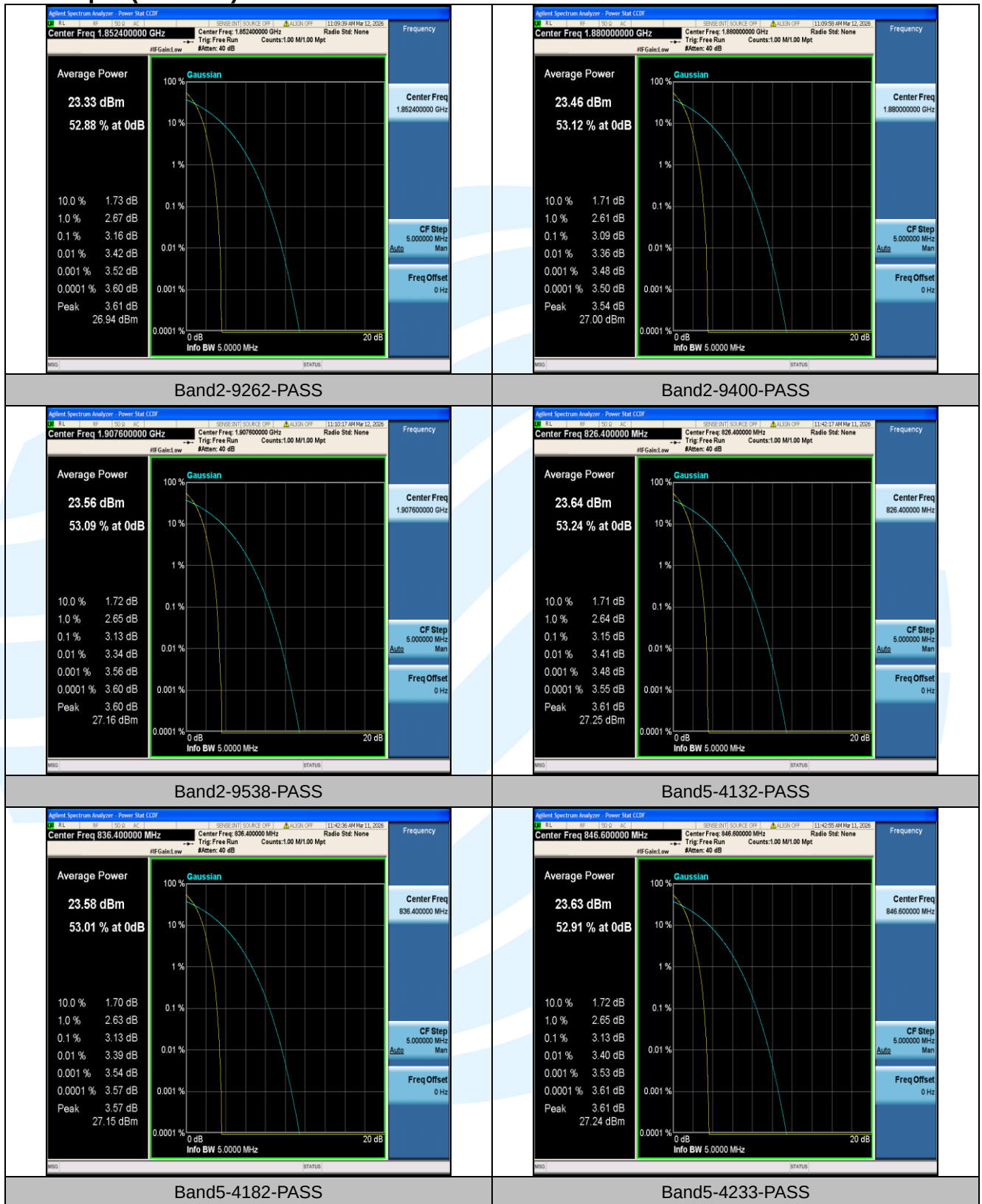
Test Result(HSDPA)

Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	1	3.25	13	PASS
Band2	9400	1	3.22	13	PASS
Band2	9538	1	3.24	13	PASS
Band5	4132	1	3.22	13	PASS
Band5	4182	1	3.24	13	PASS
Band5	4233	1	3.23	13	PASS

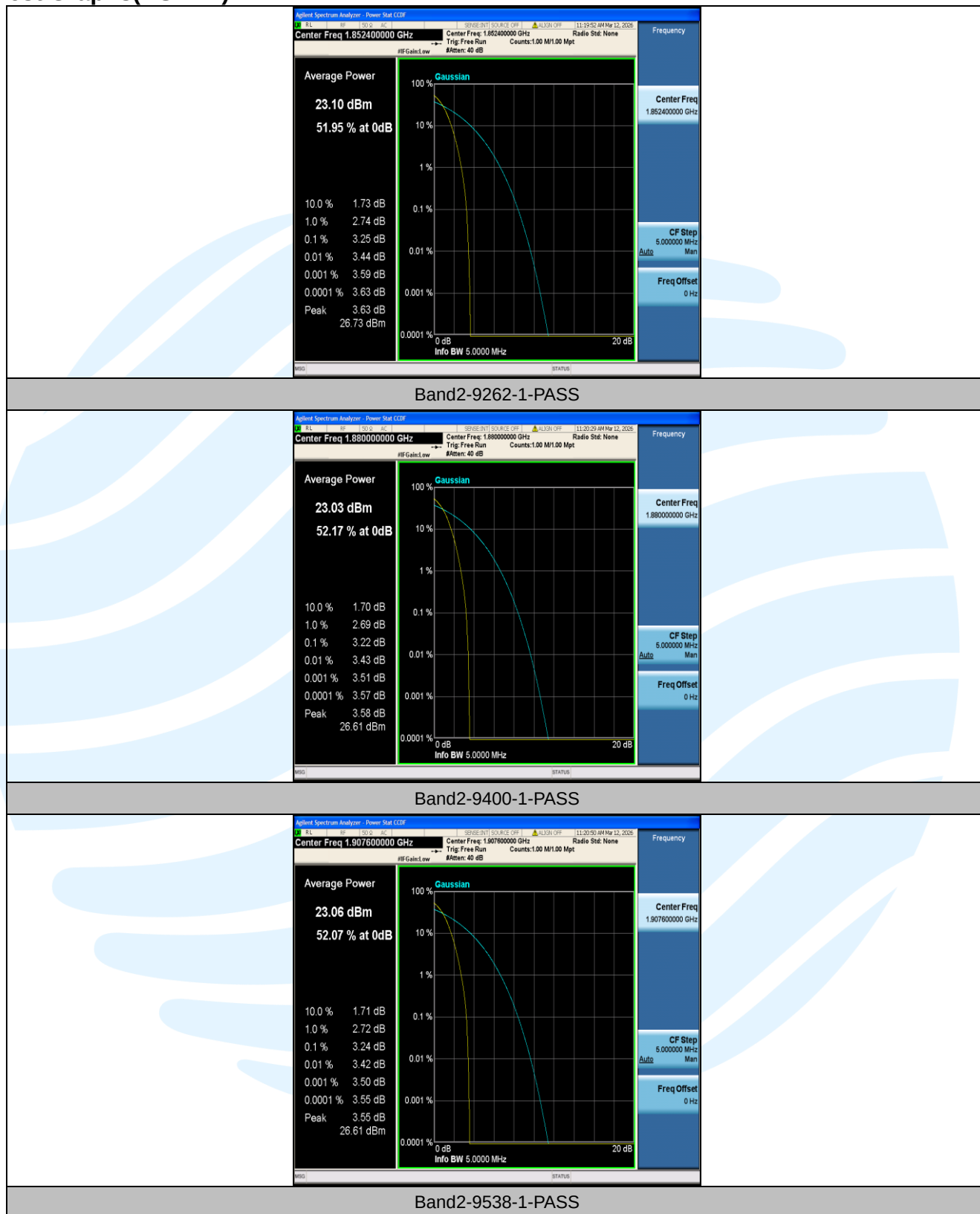
Test Result(HSUPA)

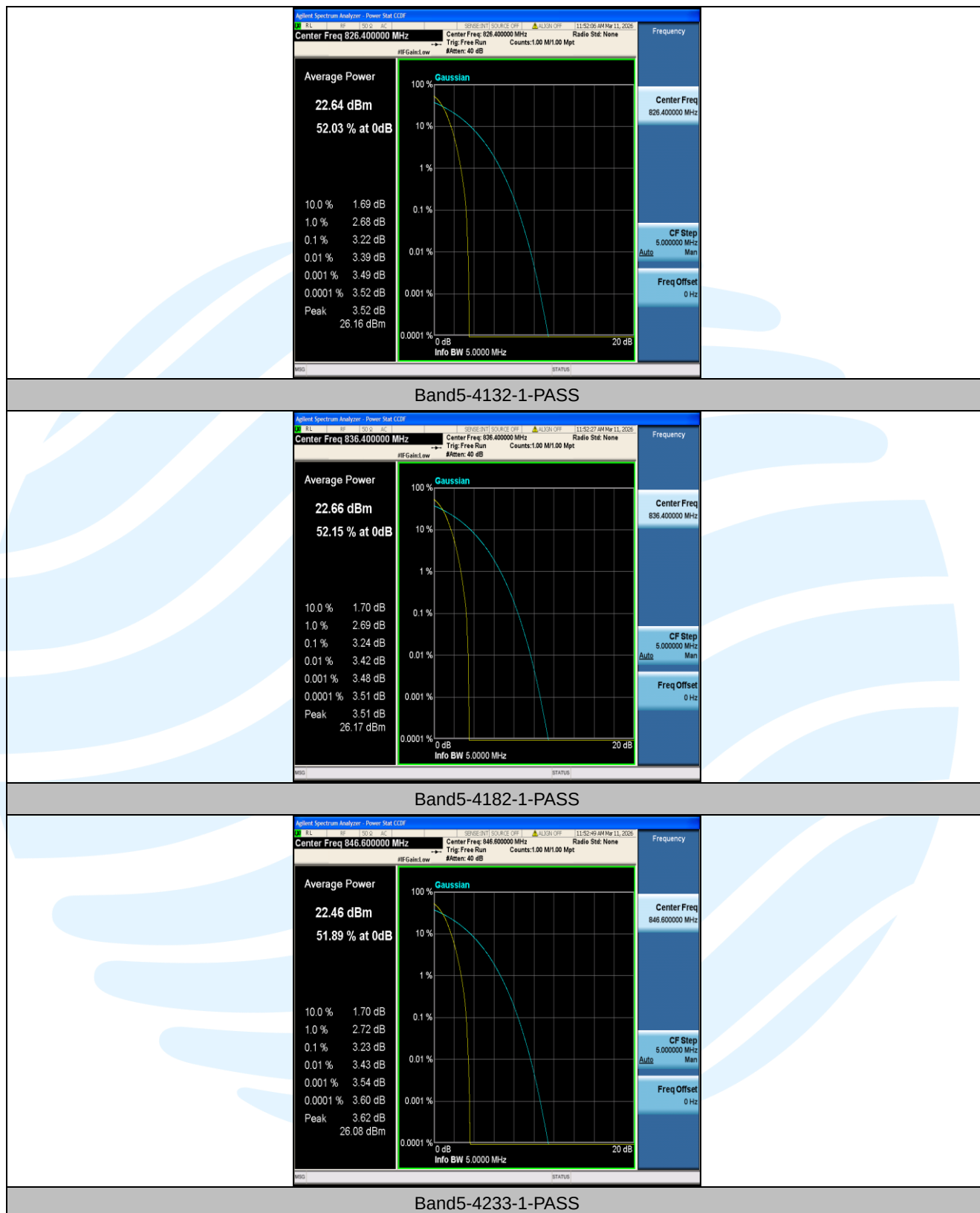
Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	1	4.61	13	PASS
Band2	9400	1	4.57	13	PASS
Band2	9538	1	4.6	13	PASS
Band5	4132	1	4.56	13	PASS
Band5	4182	1	4.57	13	PASS
Band5	4233	1	4.58	13	PASS

Test Graphs(WCDMA)

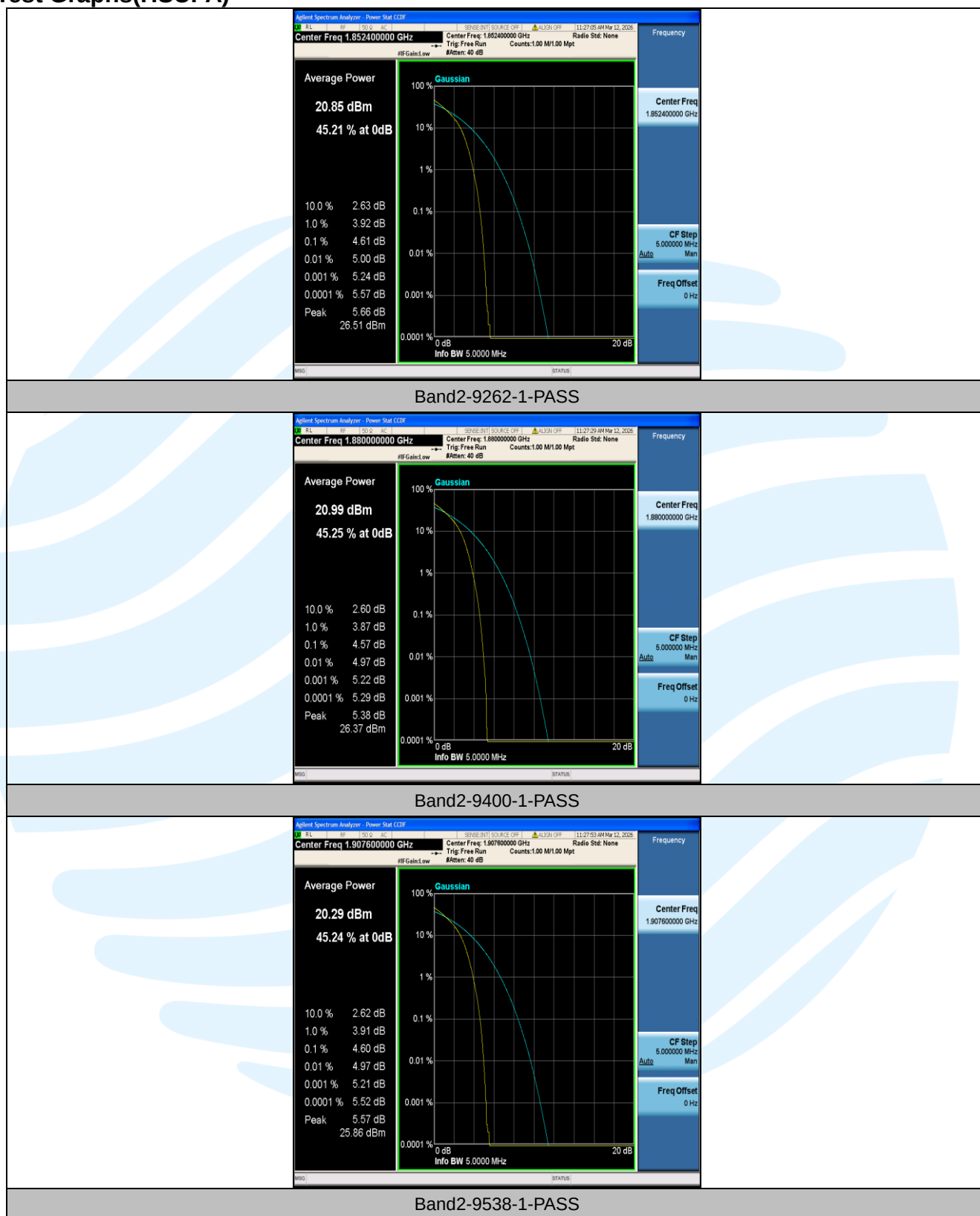


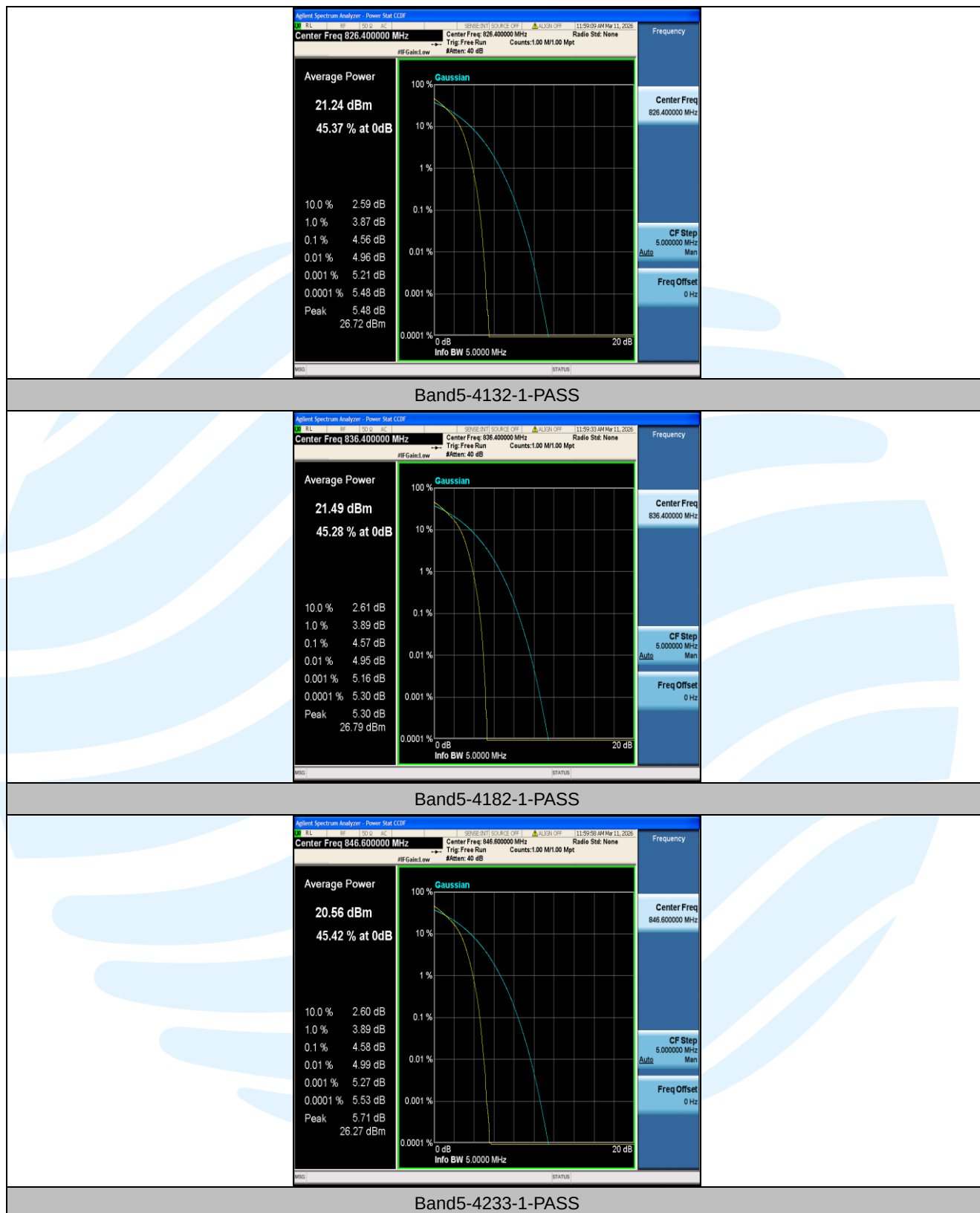
Test Graphs(HSDPA)





Test Graphs(HSUPA)





B 2. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result(WCDMA)

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band2	9262	4.1460	4.659	---	PASS
Band2	9400	4.1447	4.663	---	PASS
Band2	9538	4.1397	4.647	---	PASS
Band5	4132	4.1410	4.651	---	PASS
Band5	4182	4.1485	4.655	---	PASS
Band5	4233	4.1435	4.659	---	PASS

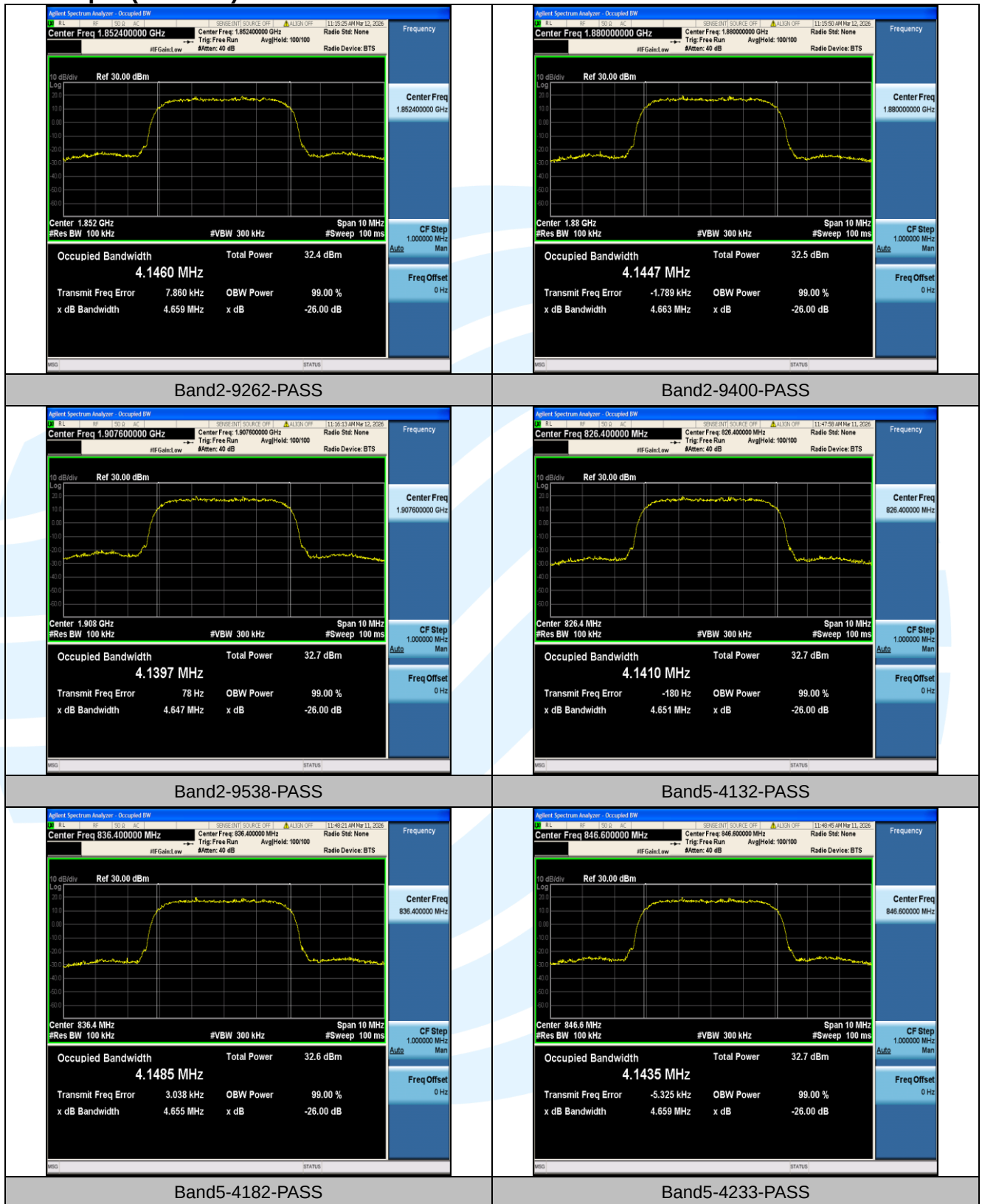
Test Result(HSDPA)

Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band2	9262	1	4.1428	4.665	---	PASS
Band2	9400	1	4.1456	4.672	---	PASS
Band2	9538	1	4.1443	4.664	---	PASS
Band5	4132	1	4.1388	4.672	---	PASS
Band5	4182	1	4.1417	4.666	---	PASS
Band5	4233	1	4.1406	4.672	---	PASS

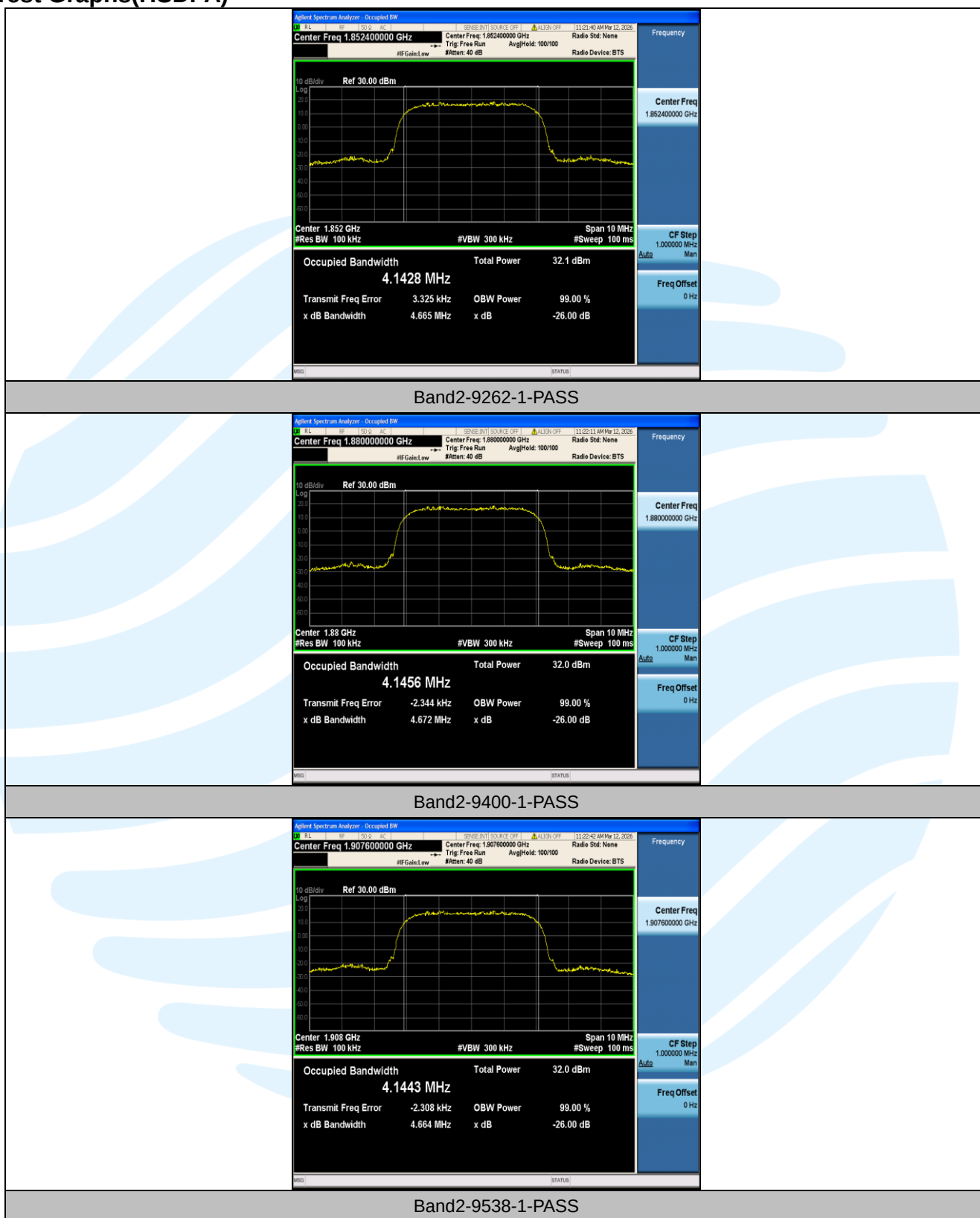
Test Result(HSUPA)

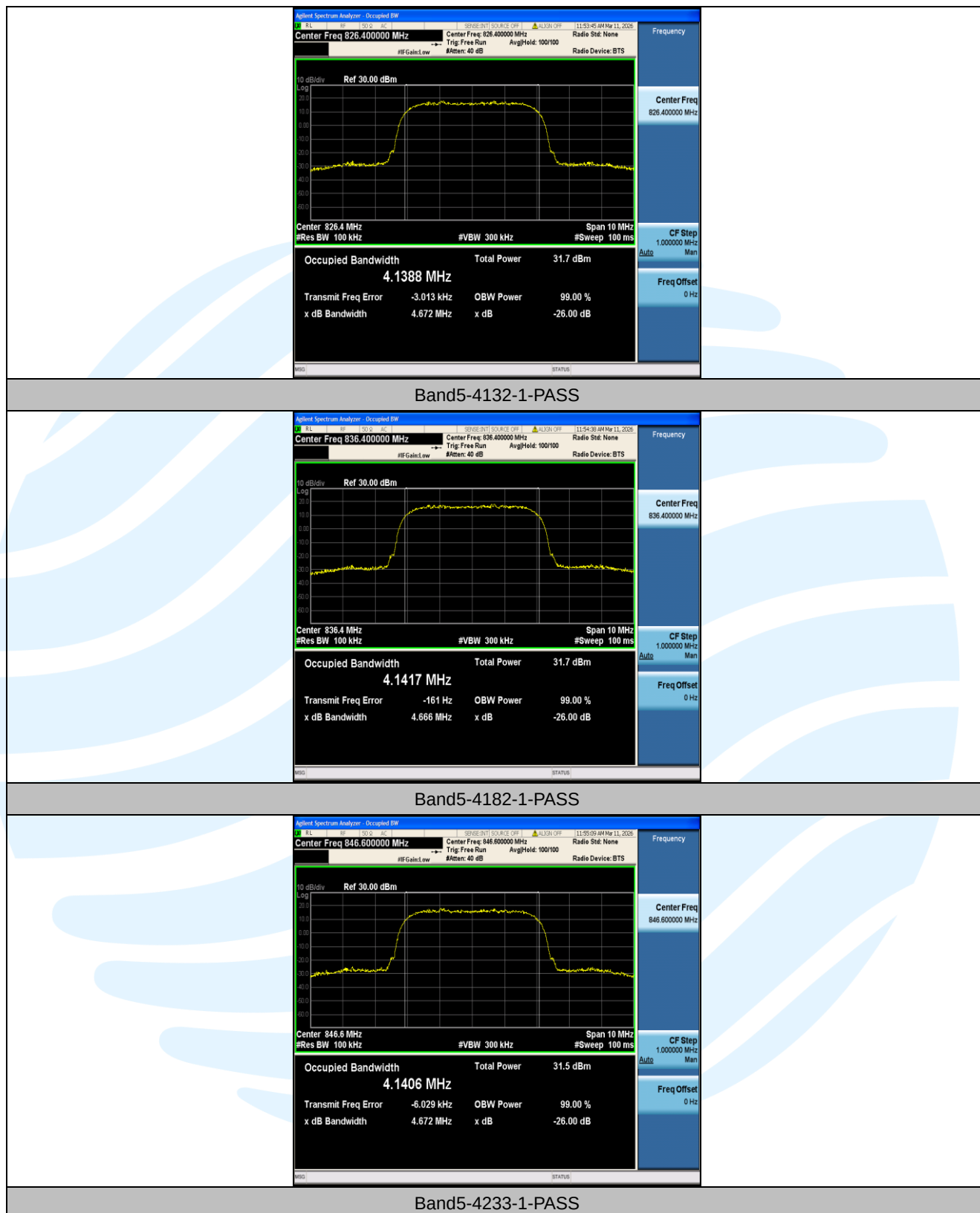
Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band2	9262	1	4.1630	4.668	---	PASS
Band2	9400	1	4.1645	4.674	---	PASS
Band2	9538	1	4.1652	4.679	---	PASS
Band5	4132	1	4.1692	4.678	---	PASS
Band5	4182	1	4.1644	4.682	---	PASS
Band5	4233	1	4.1633	4.676	---	PASS

Test Graphs(WCDMA)

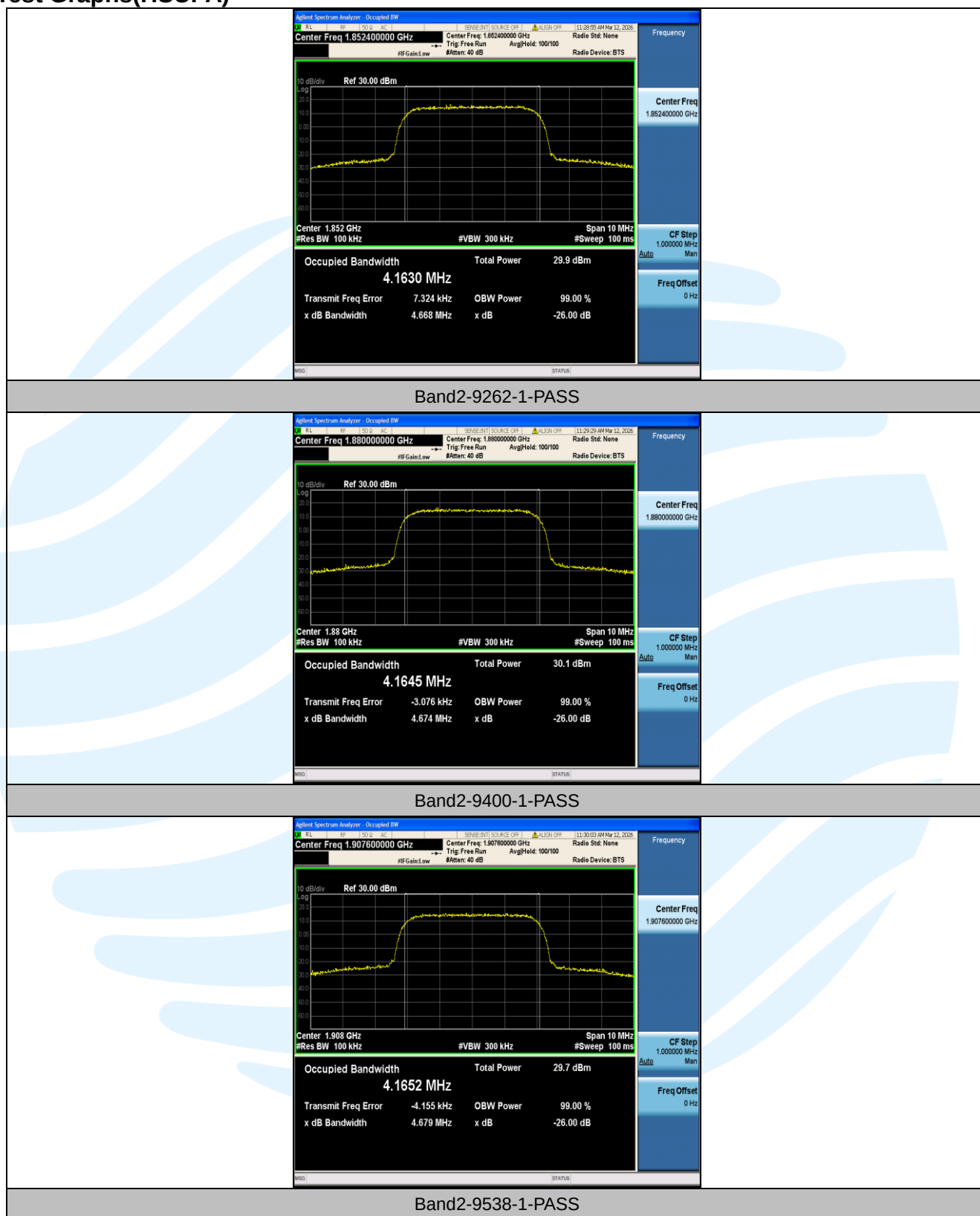


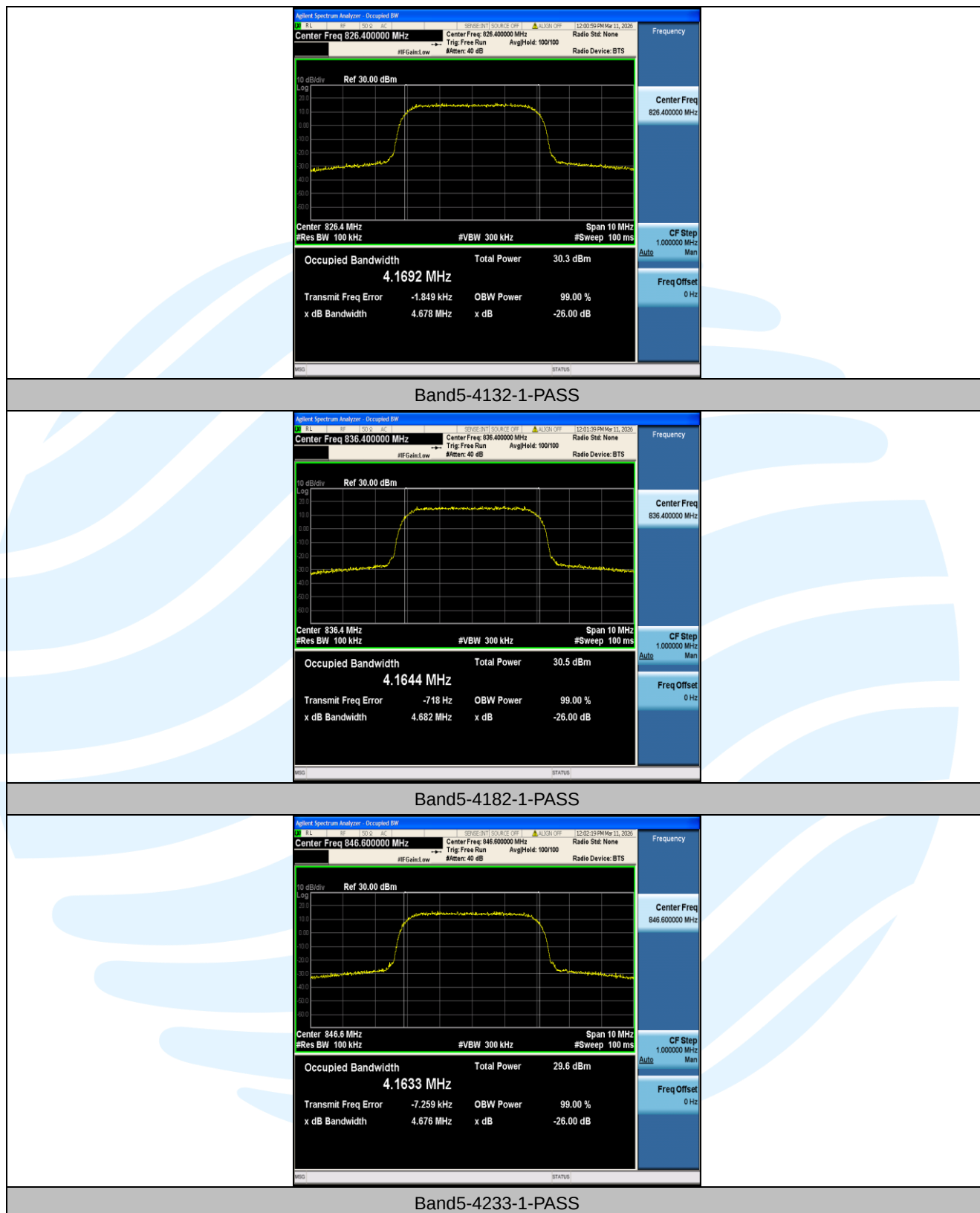
Test Graphs(HSDPA)





Test Graphs(HSUPA)





B 3. BAND EDGE

Test Result(WCDMA)

Band	Channel	Frequency (MHz)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	1849.94	-28.51	-13	PASS
Band2	9538	1910.08	-28.05	-13	PASS
Band5	4132	823.93	-29.26	-13	PASS
Band5	4233	849.08	-29.02	-13	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	1	1849.92	-28.62	-13	PASS
Band2	9538	1	1910.06	-27.94	-13	PASS
Band5	4132	1	823.95	-30.31	-13	PASS
Band5	4233	1	849.06	-29.66	-13	PASS

Test Result(HSUPA)

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	1	1849.93	-31.23	-13	PASS
Band2	9538	1	1910.06	-30.91	-13	PASS
Band5	4132	1	823.92	-32.77	-13	PASS
Band5	4233	1	849.05	-32.00	-13	PASS

Test Graphs(WCDMA)

