



WCDMA_RF Test Data for Conducted Measurement

Product Name: Tablet

Test Model: Active 6

Environmental Conditions

Temperature:	24.6° C
Relative Humidity:	52.4%
ATM Pressure:	987.0 kPa
Test Engineer:	Simba huang
Supervised by:	Eder Zhan



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Appendix A: Transmitter maximum output power

Test Result

TestCondition	Band	Channel	Result(dBm)	Limit(dBm)	Verdict
NTNV	Band1	9613	22.99	20.3 to 25.7	PASS
NTNV	Band1	9750	23.05	20.3 to 25.7	PASS
NTNV	Band1	9887	22.91	20.3 to 25.7	PASS
NTNV	Band8	2713	23.04	20.3 to 25.7	PASS
NTNV	Band8	2788	23.07	20.3 to 25.7	PASS
NTNV	Band8	2862	23.15	20.3 to 25.7	PASS

DPA

TestCondition	Band	Channel	SubTest	Result (dBm)	Limit(dBm)	Verdict
NTNV	Band1	9613	1	22.73	20.3 to 25.7	PASS
NTNV	Band1	9613	2	21.93	20.3 to 25.7	PASS
NTNV	Band1	9613	3	21.62	19.3 to 25.7	PASS
NTNV	Band1	9613	4	21.74	18.3 to 25.7	PASS
NTNV	Band1	9750	1	22.26	20.3 to 25.7	PASS
NTNV	Band1	9750	2	21.92	20.3 to 25.7	PASS
NTNV	Band1	9750	3	21.93	19.3 to 25.7	PASS
NTNV	Band1	9750	4	22.05	18.3 to 25.7	PASS
NTNV	Band1	9887	1	21.70	20.3 to 25.7	PASS
NTNV	Band1	9887	2	21.71	20.3 to 25.7	PASS
NTNV	Band1	9887	3	21.41	19.3 to 25.7	PASS
NTNV	Band1	9887	4	21.47	18.3 to 25.7	PASS
NTNV	Band8	2713	1	21.81	20.3 to 25.7	PASS
NTNV	Band8	2713	2	21.87	20.3 to 25.7	PASS
NTNV	Band8	2713	3	21.91	19.3 to 25.7	PASS
NTNV	Band8	2713	4	21.71	18.3 to 25.7	PASS
NTNV	Band8	2788	1	21.77	20.3 to 25.7	PASS
NTNV	Band8	2788	2	21.58	20.3 to 25.7	PASS
NTNV	Band8	2788	3	21.68	19.3 to 25.7	PASS
NTNV	Band8	2788	4	21.73	18.3 to 25.7	PASS
NTNV	Band8	2862	1	21.86	20.3 to 25.7	PASS
NTNV	Band8	2862	2	21.69	20.3 to 25.7	PASS
NTNV	Band8	2862	3	21.60	19.3 to 25.7	PASS
NTNV	Band8	2862	4	21.75	18.3 to 25.7	PASS



UPA

TestCondition	Band	Channel	SubTest	Result (dBm)	Limit(dBm)	Verdict
NTNV	Band1	9613	1	20.09	17.3 to 25.7	PASS
NTNV	Band1	9613	2	19.97	16.8 to 25.7	PASS
NTNV	Band1	9613	3	20.11	17.8 to 25.7	PASS
NTNV	Band1	9613	4	20.14	16.8 to 25.7	PASS
NTNV	Band1	9613	5	22.18	20.3 to 25.7	PASS
NTNV	Band1	9750	1	20.45	17.3 to 25.7	PASS
NTNV	Band1	9750	2	20.42	16.8 to 25.7	PASS
NTNV	Band1	9750	3	20.49	17.8 to 25.7	PASS
NTNV	Band1	9750	4	20.48	16.8 to 25.7	PASS
NTNV	Band1	9750	5	22.22	20.3 to 25.7	PASS
NTNV	Band1	9887	1	20.29	17.3 to 25.7	PASS
NTNV	Band1	9887	2	20.36	16.8 to 25.7	PASS
NTNV	Band1	9887	3	20.45	17.8 to 25.7	PASS
NTNV	Band1	9887	4	20.19	16.8 to 25.7	PASS
NTNV	Band1	9887	5	21.99	20.3 to 25.7	PASS
NTNV	Band8	2713	1	20.35	17.3 to 25.7	PASS
NTNV	Band8	2713	2	20.41	16.8 to 25.7	PASS
NTNV	Band8	2713	3	20.28	17.8 to 25.7	PASS
NTNV	Band8	2713	4	20.29	16.8 to 25.7	PASS
NTNV	Band8	2713	5	22.12	20.3 to 25.7	PASS
NTNV	Band8	2788	1	20.01	17.3 to 25.7	PASS
NTNV	Band8	2788	2	20.03	16.8 to 25.7	PASS
NTNV	Band8	2788	3	20.10	17.8 to 25.7	PASS
NTNV	Band8	2788	4	20.16	16.8 to 25.7	PASS
NTNV	Band8	2788	5	22.19	20.3 to 25.7	PASS
NTNV	Band8	2862	1	20.60	17.3 to 25.7	PASS
NTNV	Band8	2862	2	20.46	16.8 to 25.7	PASS
NTNV	Band8	2862	3	20.64	17.8 to 25.7	PASS
NTNV	Band8	2862	4	20.35	16.8 to 25.7	PASS
NTNV	Band8	2862	5	22.72	20.3 to 25.7	PASS



Appendix B: Transmitter minimum output power

Test Result

TestCondition	Band	Channel	Result(dBm)	Limit(dBm)	Verdict
NTNV	Band1	9613	-59.26	-49	PASS
NTNV	Band1	9750	-59.43	-49	PASS
NTNV	Band1	9887	-59.55	-49	PASS
NTNV	Band8	2713	-55.01	-49	PASS
NTNV	Band8	2788	-55.38	-49	PASS
NTNV	Band8	2862	-55.28	-49	PASS



Appendix C: Transmitter spectrum emission mask

Test Result(WCDMA)

TestCondition	Band	Channel	Result	Limit	Verdict
NTNV	Band1	9613	See graph	See graph	PASS
NTNV	Band1	9750	See graph	See graph	PASS
NTNV	Band1	9887	See graph	See graph	PASS
NTNV	Band8	2713	See graph	See graph	PASS
NTNV	Band8	2788	See graph	See graph	PASS
NTNV	Band8	2862	See graph	See graph	PASS

**Test Result(HSDPA)**

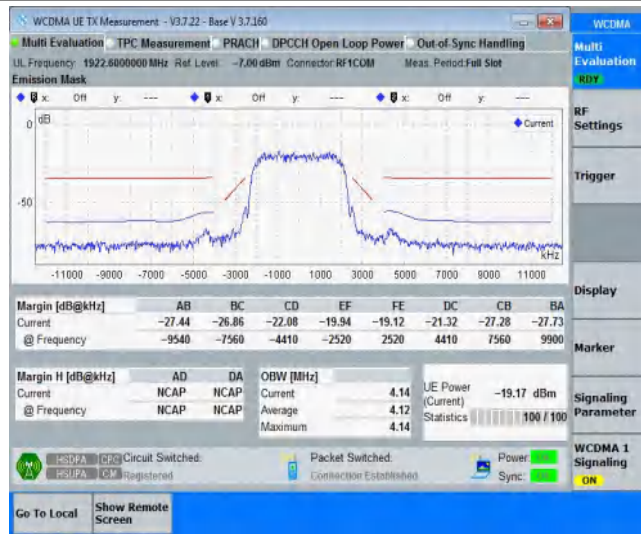
TestCondition	Band	Channel	SubTest	Result (dBm)	Limit(dBm)	Verdict
NTNV	Band1	9613	1	See graph	See graph	PASS
NTNV	Band1	9750	1	See graph	See graph	PASS
NTNV	Band1	9887	1	See graph	See graph	PASS
NTNV	Band8	2713	1	See graph	See graph	PASS
NTNV	Band8	2788	1	See graph	See graph	PASS
NTNV	Band8	2862	1	See graph	See graph	PASS

**Test Result(HSUPA)**

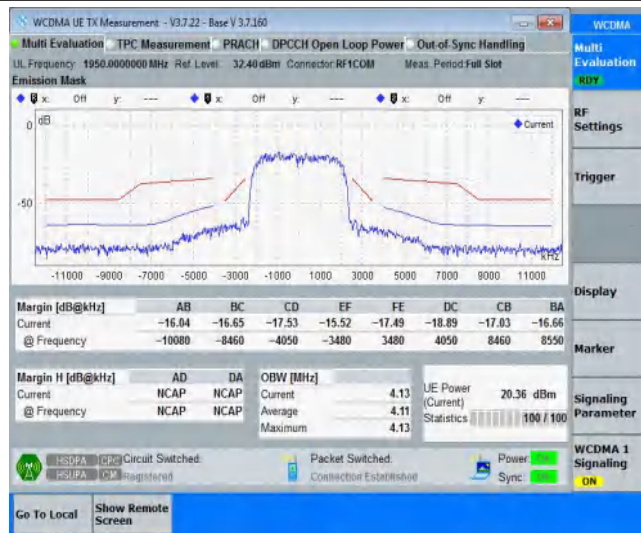
TestCondition	Band	Channel	SubTest	Result (dBm)	Limit(dBm)	Verdict
NTNV	Band1	9613	1	See graph	See graph	PASS
NTNV	Band1	9750	1	See graph	See graph	PASS
NTNV	Band1	9887	1	See graph	See graph	PASS
NTNV	Band8	2713	1	See graph	See graph	PASS
NTNV	Band8	2788	1	See graph	See graph	PASS
NTNV	Band8	2862	1	See graph	See graph	PASS

Test Graphs(WCDMA)

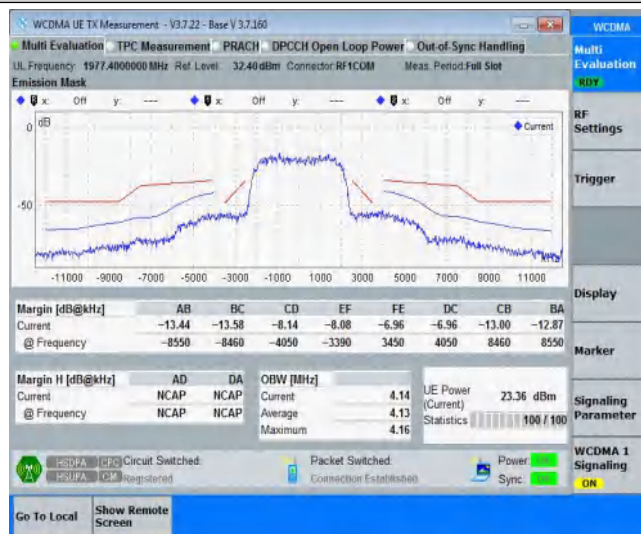
NTNV-Band1-9613



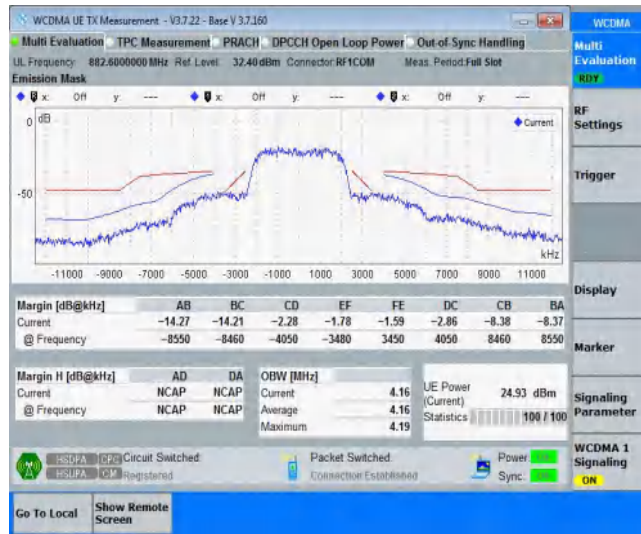
NTNV-Band1-9750



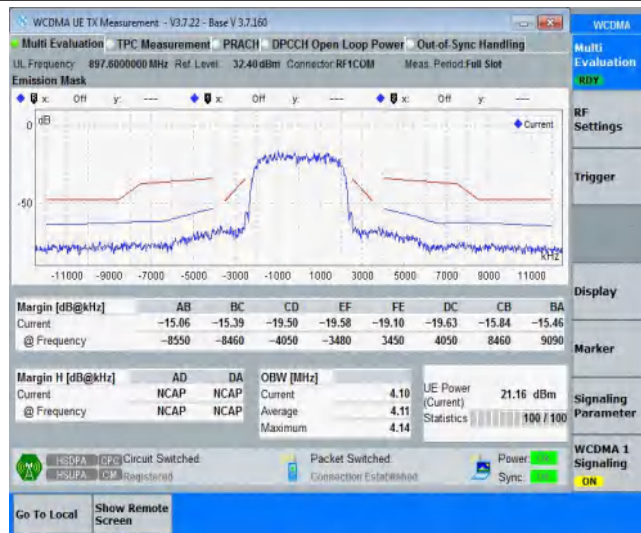
NTNV-Band1-9887



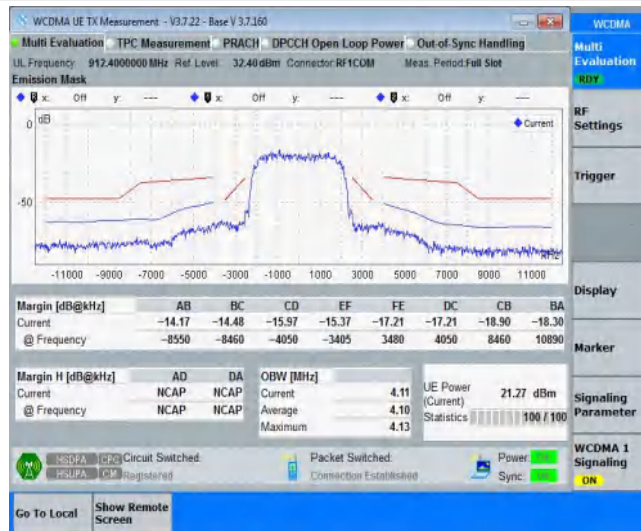
NTNV-Band8-2713



NTNV-Band8-2788

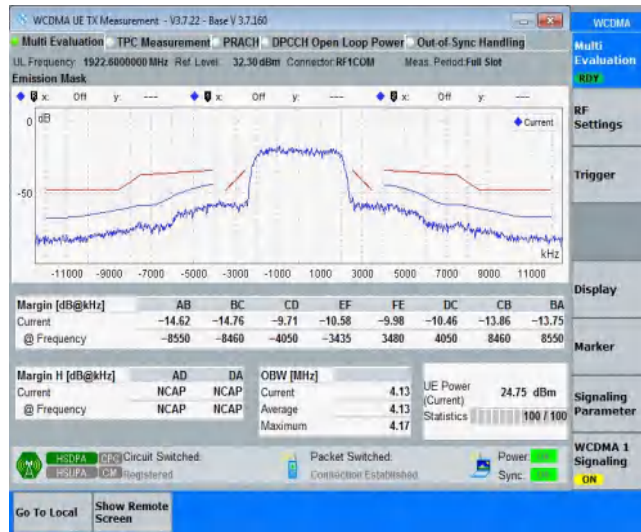


NTNV-Band8-2862

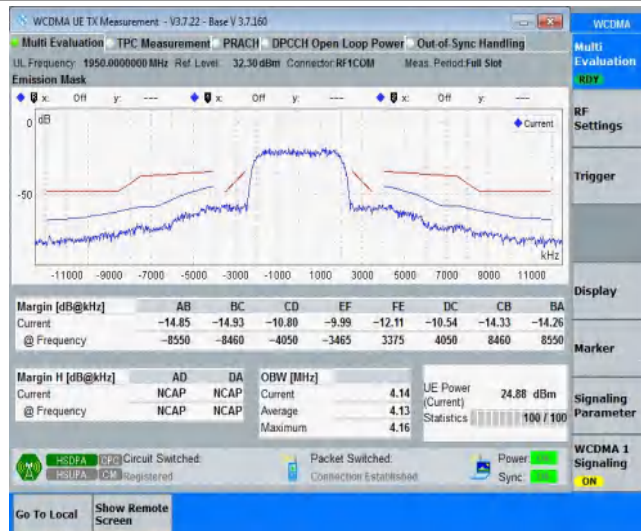


Test Graphs(HSDPA)

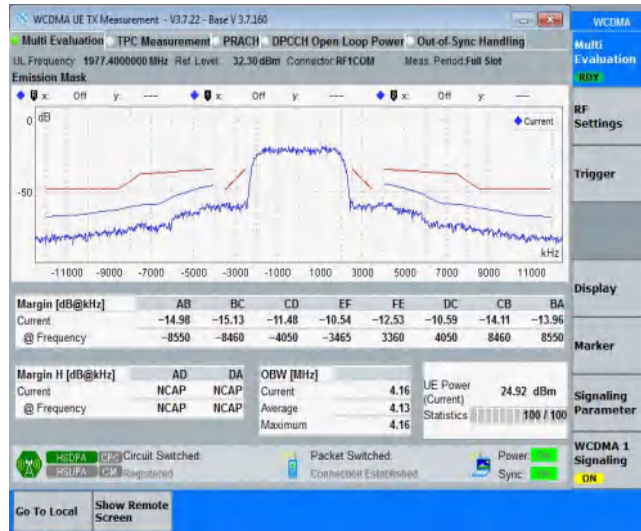
NTNV-Band1-9613-1



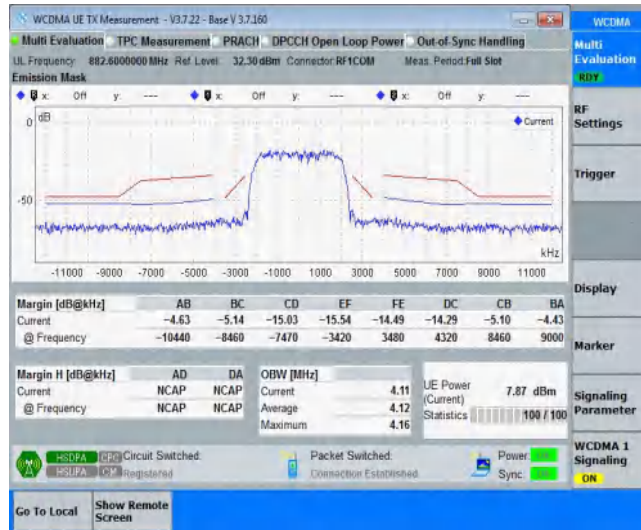
NTNV-Band1-9750-1



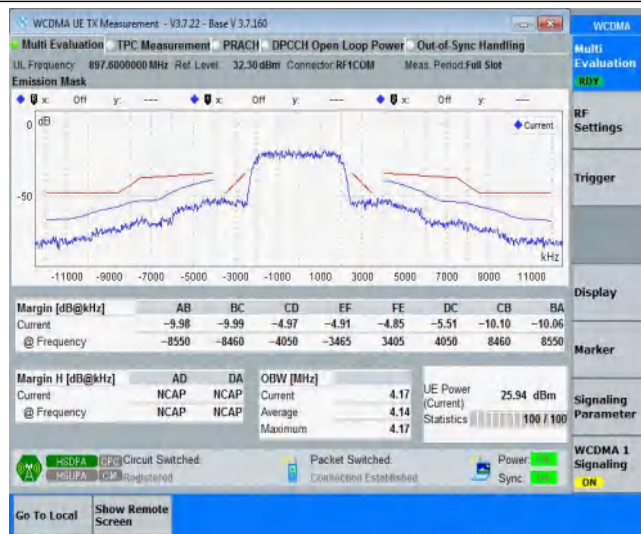
NTNV-Band1-9887-1



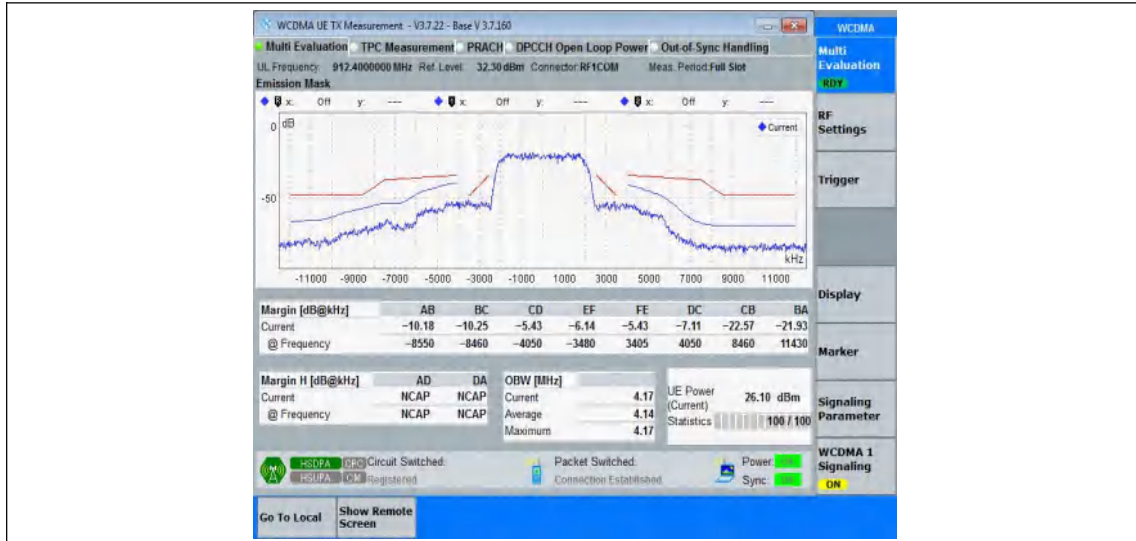
NTNV-Band8-2713-1



NTNV-Band8-2788-1

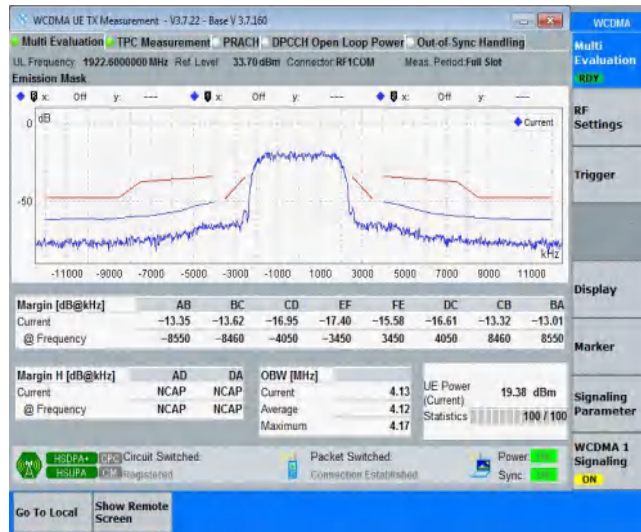


NTNV-Band8-2862-1

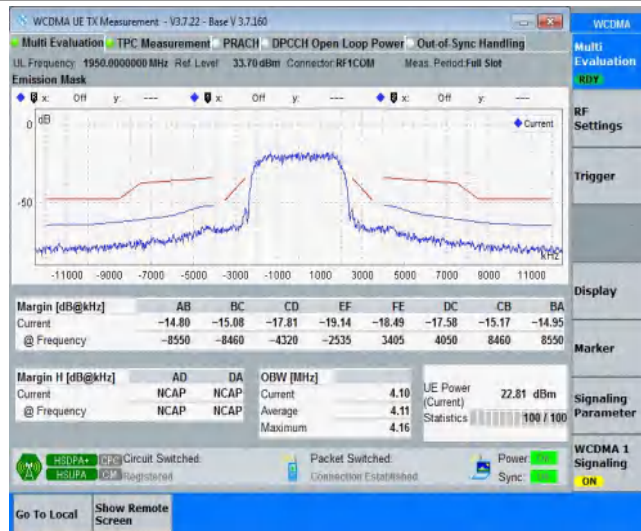


Test Graphs(HSUPA)

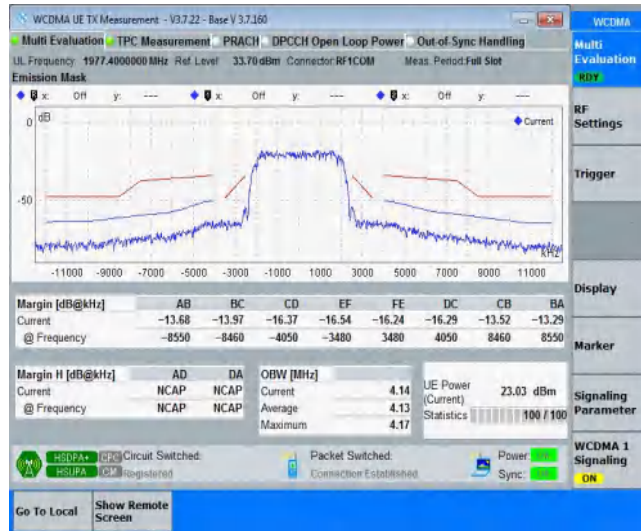
NTNV-Band1-9613-1



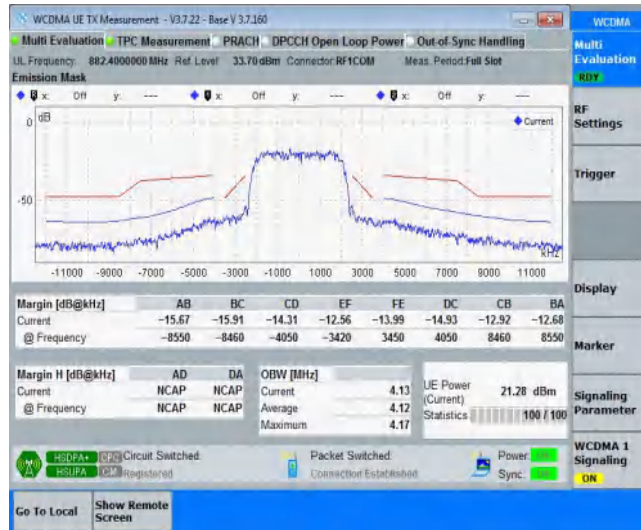
NTNV-Band1-9750-1



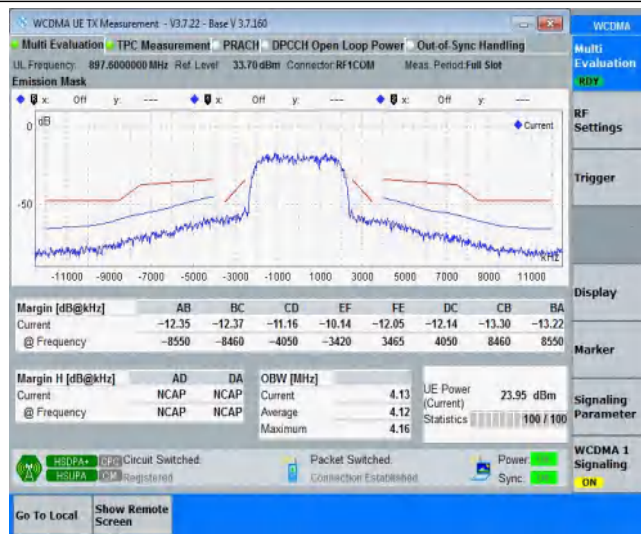
NTNV-Band1-9887-1



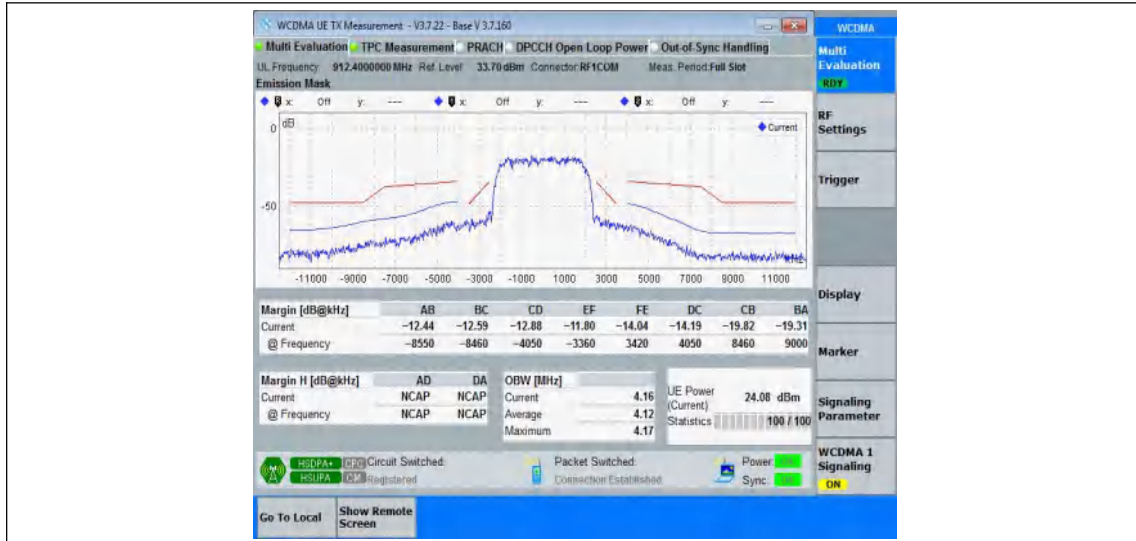
NTNV-Band8-2713-1



NTNV-Band8-2788-1



NTNV-Band8-2862-1





Appendix D: Transmitter adjacent channel leakage power ratio

Test Result(WCDMA)

TestCondition	Band	Channel	Result	Limit	Verdict
NTNV	Band1	9613	See graph	See graph	PASS
NTNV	Band1	9750	See graph	See graph	PASS
NTNV	Band1	9887	See graph	See graph	PASS
NTNV	Band8	2713	See graph	See graph	PASS
NTNV	Band8	2788	See graph	See graph	PASS
NTNV	Band8	2862	See graph	See graph	PASS

**Test Result(HSDPA)**

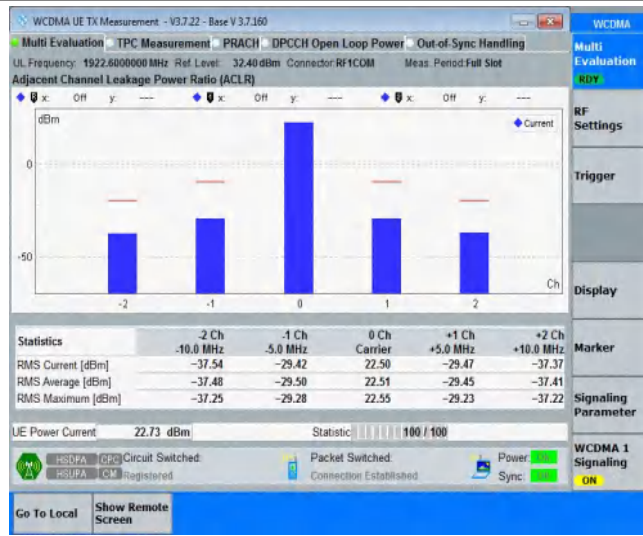
TestCondition	Band	Channel	SubTest	Result (dBm)	Limit(dBm)	Verdict
NTNV	Band1	9613	1	See graph	See graph	PASS
NTNV	Band1	9750	1	See graph	See graph	PASS
NTNV	Band1	9887	1	See graph	See graph	PASS
NTNV	Band8	2713	1	See graph	See graph	PASS
NTNV	Band8	2788	1	See graph	See graph	PASS
NTNV	Band8	2862	1	See graph	See graph	PASS

**Test Result(HSUPA)**

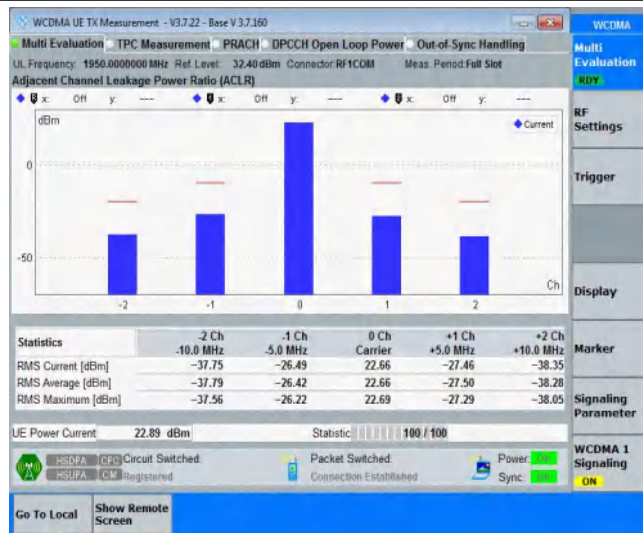
TestCondition	Band	Channel	SubTest	Result (dBm)	Limit(dBm)	Verdict
NTNV	Band1	9613	1	See graph	See graph	PASS
NTNV	Band1	9750	1	See graph	See graph	PASS
NTNV	Band1	9887	1	See graph	See graph	PASS
NTNV	Band8	2713	1	See graph	See graph	PASS
NTNV	Band8	2788	1	See graph	See graph	PASS
NTNV	Band8	2862	1	See graph	See graph	PASS

Test Graphs(WCDMA)

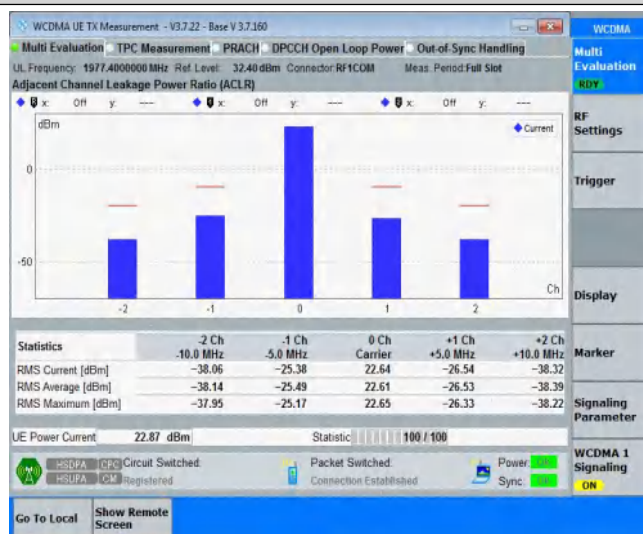
NTNV-Band1-9613



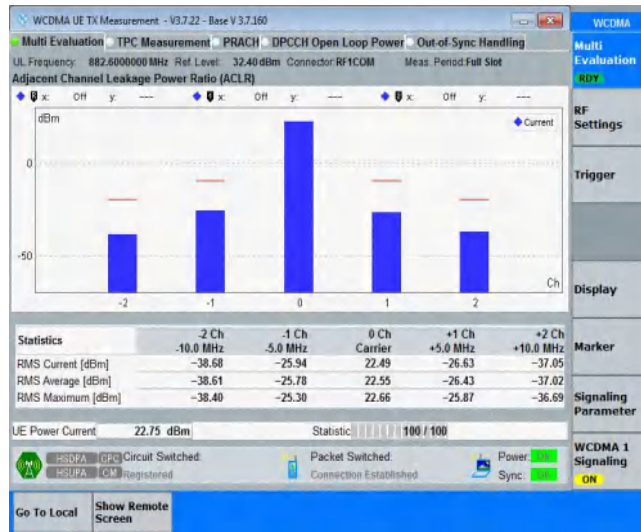
NTNV-Band1-9750



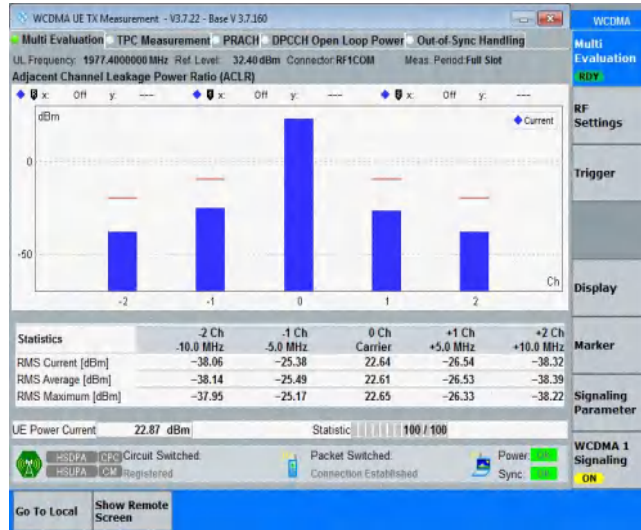
NTNV-Band1-9887



NTNV-Band8-2713



NTNV-Band8-2788

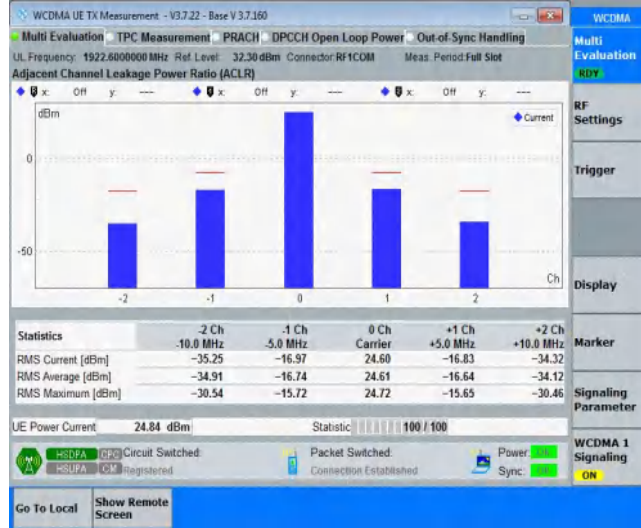


NTNV-Band8-2862

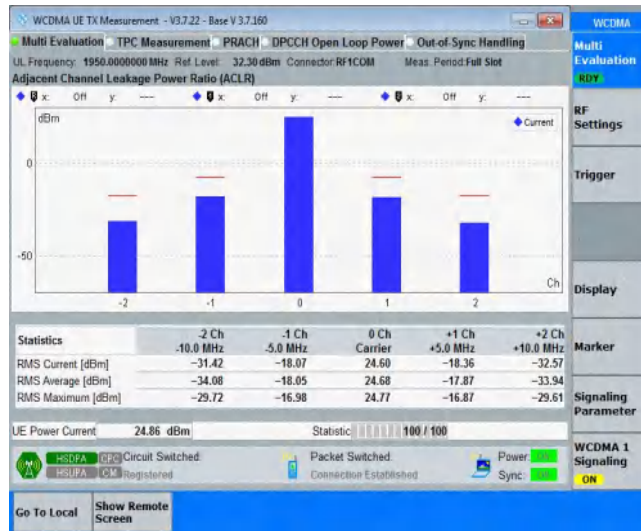


Test Graphs(HSDPA)

NTNV-Band1-9613-1



NTNV-Band1-9750-1



NTNV-Band1-9887-1



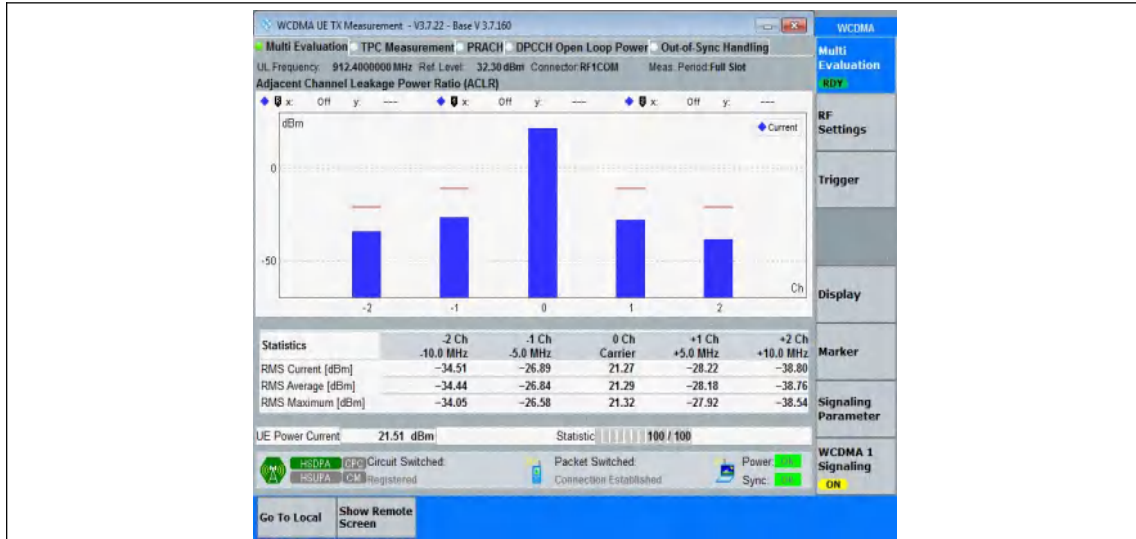
NTNV-Band8-2713-1



NTNV-Band8-2788-1



NTNV-Band8-2862-1



Test Graphs(HSUPA)


NTNV-Band1-5MHz-9887-1



NTNV-Band8-5MHz-2713-1



NTNV-Band8-5MHz-2788-1



NTNV-Band8-5MHz-2862-1



Appendix E: Transmitter spurious emissions

Test Result

Band	Channel	Frequency Range (MHz)	RBW (KHz)	Frequency (MHz)	Result (dBm)	Limit (dBm)	Verdict
Band1	9613	0.009~0.15MHz	-67.87	0.01	-67.87	-36	PASS
Band1	9613	0.15~30MHz	-53.65	0.15	-53.65	-36	PASS
Band1	9613	30~1000MHz	-59.75	941.8	-59.75	-36	PASS
Band1	9613	462.5~467.5MHz	-79.29	462.68	-79.29	-50	PASS
Band1	9613	791~821MHz	-71.52	795.74	-71.52	-60	PASS
Band1	9613	921~925MHz	-86.12	923.35	-86.12	-60	PASS
Band1	9613	925~935MHz	-86.21	929.6	-86.21	-67	PASS
Band1	9613	935~960MHz	-86.21	950.68	-86.21	-79	PASS
Band1	9613	935~960MHz	-70.44	936.98	-70.44	-60	PASS
Band1	9613	1000~1910.1MHz	-44.78	1910.1	-44.78	-30	PASS
Band1	9613	1805~1880MHz	-83.83	1873.55	-83.83	-71	PASS
Band1	9613	1805~1880MHz	-68.05	1878.8	-68.05	-60	PASS
Band1	9613	1935.1~3000MHz	-42.48	2651.78	-42.48	-30	PASS
Band1	9613	2010~2025MHz	-67.44	2015.96	-67.44	-60	PASS
Band1	9613	2110~2170MHz	-64.38	2124.1	-64.38	-60	PASS
Band1	9613	2300~2400MHz	-65.36	2397.2	-65.36	-60	PASS
Band1	9613	2585~2690MHz	-64.52	2644.54	-64.52	-60	PASS
Band1	9613	3000~12750MHz	-56.04	12592.54	-56.04	-30	PASS
Band1	9750	0.009~0.15MHz	-69.34	0.01	-69.34	-36	PASS
Band1	9750	0.15~30MHz	-53.7	0.15	-53.7	-36	PASS
Band1	9750	30~1000MHz	-59.64	925.31	-59.64	-36	PASS
Band1	9750	462.5~467.5MHz	-79.27	463.11	-79.27	-50	PASS
Band1	9750	791~821MHz	-71.5	794.78	-71.5	-60	PASS
Band1	9750	921~925MHz	-86.13	921.92	-86.13	-60	PASS
Band1	9750	925~935MHz	-86.12	930.9	-86.12	-67	PASS
Band1	9750	935~960MHz	-86.16	943.38	-86.16	-79	PASS
Band1	9750	935~960MHz	-70.46	937.78	-70.46	-60	PASS
Band1	9750	1000~1937.5MHz	-43.86	1936.56	-43.86	-30	PASS
Band1	9750	1805~1880MHz	-83.82	1866.2	-83.82	-71	PASS
Band1	9750	1805~1880MHz	-68.04	1880	-68.04	-60	PASS
Band1	9750	1962.5~3000MHz	-42.46	1962.5	-42.46	-30	PASS
Band1	9750	2010~2025MHz	-67.43	2020.86	-67.43	-60	PASS
Band1	9750	2110~2170MHz	-60.55	2137.66	-60.55	-60	PASS
Band1	9750	2300~2400MHz	-62.77	2399.9	-62.77	-60	PASS
Band1	9750	2585~2690MHz	-62.12	2630.78	-62.12	-60	PASS
Band1	9750	3000~12750MHz	-55.68	12629.59	-55.68	-30	PASS



Band1	9887	0.009~0.15MHz	-69.05	0.01	-69.05	-36	PASS
Band1	9887	0.15~30MHz	-53.71	0.15	-53.71	-36	PASS
Band1	9887	30~1000MHz	-59.69	926.28	-59.69	-36	PASS
Band1	9887	462.5~467.5MHz	-79.26	462.83	-79.26	-50	PASS
Band1	9887	791~821MHz	-71.51	794.96	-71.51	-60	PASS
Band1	9887	921~925MHz	-86.09	921.65	-86.09	-60	PASS
Band1	9887	925~935MHz	-86.09	933.48	-86.09	-67	PASS
Band1	9887	935~960MHz	-86.19	956.78	-86.19	-79	PASS
Band1	9887	935~960MHz	-70.46	936.4	-70.46	-60	PASS
Band1	9887	1000~1965.1MHz	-43.71	1965.1	-43.71	-30	PASS
Band1	9887	1805~1880MHz	-83.79	1878.43	-83.79	-71	PASS
Band1	9887	1805~1880MHz	-68.05	1878.95	-68.05	-60	PASS
Band1	9887	1990.1~3000MHz	-42.46	2647.54	-42.46	-30	PASS
Band1	9887	2010~2025MHz	-67.43	2010.42	-67.43	-60	PASS
Band1	9887	2110~2170MHz	-58.71	2160.1	-64.18	-60	PASS
Band1	9887	2300~2400MHz	-58.84	2384.5	-62.64	-60	PASS
Band1	9887	2585~2690MHz	-60.37	2631.1	-60.37	-60	PASS
Band1	9887	3000~12750MHz	-55.83	12660.3	-55.83	-30	PASS
Band8	2713	0.009~0.15MHz	-68.87	0.01	-68.87	-36	PASS
Band8	2713	0.15~30MHz	-53.7	0.15	-53.7	-36	PASS
Band8	2713	30~870.1MHz	-59.85	797.01	-59.85	-36	PASS
Band8	2713	791~821MHz	-63.51	794.93	-63.51	-60	PASS
Band8	2713	895.1~1000MHz	-51	895.2	-51	-36	PASS
Band8	2713	925~935MHz	-88.02	928.83	-88.02	-67	PASS
Band8	2713	925~935MHz	-72.5	926.41	-72.5	-60	PASS
Band8	2713	935~960MHz	-88.69	953.9	-88.69	-79	PASS
Band8	2713	935~960MHz	-62.89	938.23	-62.89	-60	PASS
Band8	2713	1000~3000MHz	-57.99	1934	-57.99	-30	PASS
Band8	2713	1805~1830MHz	-83.64	1829.68	-83.64	-71	PASS
Band8	2713	1805~1830MHz	-67.96	1827.4	-67.96	-60	PASS
Band8	2713	1830~1880MHz	-83.28	1873.85	-83.28	-71	PASS
Band8	2713	1830~1880MHz	-67.6	1879.8	-67.6	-60	PASS
Band8	2713	1880~1920MHz	-67.49	1918.28	-67.49	-60	PASS
Band8	2713	2010~2025MHz	-67.02	2010.6	-67.02	-60	PASS
Band8	2713	2110~2170MHz	-67.12	2136.1	-67.12	-60	PASS
Band8	2713	2300~2400MHz	-66.61	2388.8	-66.61	-60	PASS
Band8	2713	2585~2640MHz	-65.35	2639.78	-65.35	-60	PASS
Band8	2713	2640~2690MHz	-60.41	2650.55	-60.41	-60	PASS
Band8	2713	3000~12750MHz	-55.76	12577.91	-55.76	-30	PASS
Band8	2788	0.009~0.15MHz	-69.02	0.01	-69.02	-36	PASS
Band8	2788	0.15~30MHz	-53.84	0.15	-53.84	-36	PASS
Band8	2788	30~885.1MHz	-54.76	885.1	-54.76	-36	PASS



Band8	2788	791~821MHz	-63.51	794.15	-63.51	-60	PASS
Band8	2788	910.1~1000MHz	-51.54	910.1	-51.54	-36	PASS
Band8	2788	925~935MHz	-92.53	927.9	-92.53	-67	PASS
Band8	2788	925~935MHz	-76.94	927.05	-76.94	-60	PASS
Band8	2788	935~960MHz	-88.61	942.55	-88.61	-79	PASS
Band8	2788	935~960MHz	-62.9	937.48	-62.9	-60	PASS
Band8	2788	1000~3000MHz	-56.37	2696	-56.37	-30	PASS
Band8	2788	1805~1830MHz	-83.65	1815.08	-83.65	-71	PASS
Band8	2788	1805~1830MHz	-67.96	1826.78	-67.96	-60	PASS
Band8	2788	1830~1880MHz	-83.38	1852	-83.38	-71	PASS
Band8	2788	1830~1880MHz	-67.61	1879.3	-67.61	-60	PASS
Band8	2788	1880~1920MHz	-52.14	1919.88	-67.18	-60	PASS
Band8	2788	2010~2025MHz	-67.04	2017.04	-67.04	-60	PASS
Band8	2788	2110~2170MHz	-67.12	2135.26	-67.12	-60	PASS
Band8	2788	2300~2400MHz	-66.62	2400	-66.62	-60	PASS
Band8	2788	2585~2640MHz	-65.52	2638.46	-65.52	-60	PASS
Band8	2788	2640~2690MHz	-56.6	2690	-56.6	-60	PASS
Band8	2788	3000~12750MHz	-55.76	12600.83	-55.76	-30	PASS
Band8	2862	0.009~0.15MHz	-69.49	0.01	-69.49	-36	PASS
Band8	2862	0.15~30MHz	-53.45	0.15	-53.45	-36	PASS
Band8	2862	30~899.9MHz	-55.15	899.9	-55.15	-36	PASS
Band8	2862	791~821MHz	-63.53	794.63	-63.53	-60	PASS
Band8	2862	924.9~1000MHz	-56.71	930.76	-56.71	-36	PASS
Band8	2862	925~935MHz	-92.27	925.25	-92.27	-67	PASS
Band8	2862	925~935MHz	-75.36	925.05	-75.36	-60	PASS
Band8	2862	935~960MHz	-88.6	937.83	-88.6	-79	PASS
Band8	2862	935~960MHz	-62.88	935.55	-62.88	-60	PASS
Band8	2862	1000~3000MHz	-59.53	1824	-59.53	-30	PASS
Band8	2862	1805~1830MHz	-68.38	1823.48	-68.38	-71	PASS
Band8	2862	1805~1830MHz	-55.65	1823.73	-55.65	-60	PASS
Band8	2862	1830~1880MHz	-83.34	1869.15	-83.34	-71	PASS
Band8	2862	1830~1880MHz	-64.34	1830	-64.34	-60	PASS
Band8	2862	1880~1920MHz	-53.89	1919.44	-67.17	-60	PASS
Band8	2862	2010~2025MHz	-67.02	2011.04	-67.02	-60	PASS
Band8	2862	2110~2170MHz	-67.13	2134.48	-67.13	-60	PASS
Band8	2862	2300~2400MHz	-66.62	2392.7	-66.62	-60	PASS
Band8	2862	2585~2640MHz	-65.52	2638.68	-65.52	-60	PASS
Band8	2862	2640~2690MHz	-65.34	2648.9	-65.34	-60	PASS
Band8	2862	3000~12750MHz	-55.93	12593.51	-55.93	-30	PASS

Test Graphs

Band1-9613-0.009~0.15MHz-1-3-31.87



Band1-9613-0.15~30MHz-10-30-17.65



Band1-9613-30~1000MHz-100-300-23.75



Band1-9613-462.5~467.5MHz-1000-3000-29.29



Band1-9613-791~821MHz-3840-3840-11.52



Band1-9613-921~925MHz-100-300-26.12



Band1-9613-925~935MHz-100-300-19.21



Band1-9613-935~960MHz-100-300-7.21



Band1-9613-935~960MHz-3840-3840-10.44



Band1-9613-1000~1910.1MHz-1000-3000-14.78



Band1-9613-1805~1880MHz-100-300-12.83



Band1-9613-1805~1880MHz-3840-3840-8.05



Band1-9613-1935.1~3000MHz-1000-3000-12.48



Band1-9613-2010~2025MHz-3840-3840-7.44



Band1-9613-2110~2170MHz-3840-3840-4.38



Band1-9613-2300~2400MHz-3840-3840-5.36



Band1-9613-2585~2690MHz-3840-3840-4.52



Band1-9613-3000~12750MHz-1000-3000-26.04



Band1-9750-0.009~0.15MHz-1-3-33.34



Band1-9750-0.15~30MHz-10-30-17.70



Band1-9750-30~1000MHz-100-300-23.64



Band1-9750-462.5~467.5MHz-1000-3000-29.27



Band1-9750-465~467MHz-3840-3840-11.50



Band1-9750-791~821MHz-100-300-26.13



Band1-9750-921~925MHz-100-300-19.12



Band1-9750-935~960MHz-100-300-7.16



Band1-9750-935~960MHz-3840-3840-10.46



Band1-9750-1000~1937.5MHz-1000-3000-13.86



Band1-9750-1805~1880MHz-100-300-12.82



Band1-9750-1805~1880MHz-3840-3840-8.04



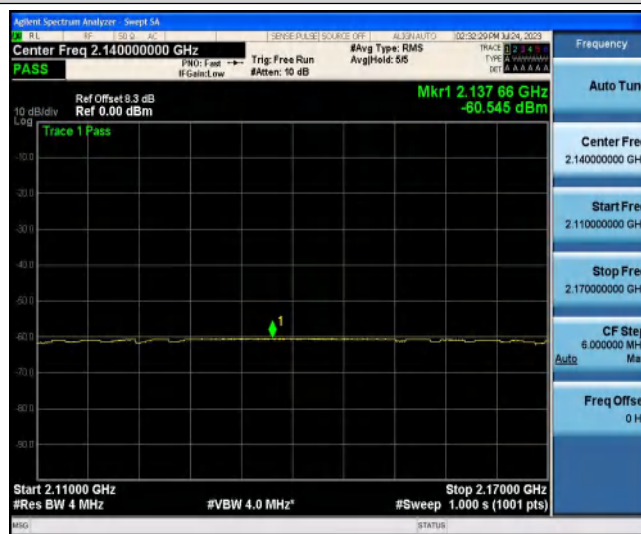
Band1-9750-1962.5~3000MHz-1000-3000-12.46



Band1-9750-2010~2025MHz-3840-3840-7.43



Band1-9750-2110~2170MHz-3840-3840-0.55



Band1-9750-2300~2400MHz-3840-3840-2.77



Band1-9750-2585~2690MHz-3840-3840-2.12



Band1-9750-3000~12750MHz-1000-3000-25.68



Band1-9887-0.009~0.15MHz-1-3-33.05



Band1-9887-0.15~30MHz-10-30-17.71



Band1-9887-30~1000MHz-100-300-23.69



Band1-9887-462.5~467.5MHz-1000-3000-29.26



Band1-9887-791~821MHz-3840-3840-11.51



Band1-9887-921~925MHz-100-300-26.09



Band1-9887-925~935MHz-100-300-19.09



Band1-9887-935~960MHz-100-300-7.19



Band1-9887-935~960MHz-3840-3840-10.46



Band1-9887-1000~1965.1MHz-1000-3000-13.71



Band1-9887-1805~1880MHz-100-300-12.79



Band1-9887-1805~1880MHz-3840-3840-8.05



Band1-9887-1990.1~3000MHz-1000-3000-12.46



Band1-9887-2010~2025MHz-3840-3840-7.43



Band1-9887-2110~2170MHz-3840-3840--1.29



Band1-9887-2300~2400MHz-3840-3840--1.16



Band1-9887-2585~2690MHz-3840-3840-0.37



Band1-9887-3000~12750MHz-1000-3000-25.83



Band8-2713-0.009~0.15MHz-1-3-32.87



Band8-2713-0.15~30MHz-10-30-17.70



Band8-2713-30~870.1MHz-100-300-23.85



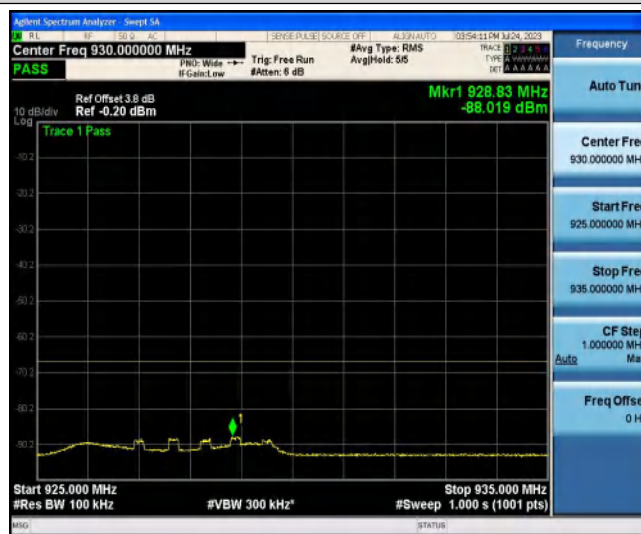
Band8-2713-791~821MHz-3840-3840-3.51



Band8-2713-895.1~1000MHz-100-300-15.00



Band8-2713-925~935MHz-100-300-21.02



Band8-2713-925~935MHz-3840-3840-12.50



Band8-2713-935~960MHz-100-300-9.69



Band8-2713-935~960MHz-3840-3840-2.89



Band8-2713-1000~3000MHz-1000-3000-27.99



Band8-2713-1805~1830MHz-100-300-12.64



Band8-2713-1805~1830MHz-3840-3840-7.96



Band8-2713-1830~1880MHz-100-300-12.28



Band8-2713-1830~1880MHz-3840-3840-7.60



Band8-2713-1880~1920MHz-3840-3840-7.49



Band8-2713-2010~2025MHz-3840-3840-7.02



Band8-2713-2110~2170MHz-3840-3840-7.12



Band8-2713-2300~2400MHz-3840-3840-6.61



Band8-2713-2585~2640MHz-3840-3840-5.35



Band8-2713-2640~2690MHz-3840-3840-0.41



Band8-2713-3000~12750MHz-1000-3000-25.76



Band8-2788-0.009~0.15MHz-1-3-33.02



Band8-2788-0.15~30MHz-10-30-17.84



Band8-2788-30~885.1MHz-100-300-18.76



Band8-2788-791~821MHz-3840-3840-3.51



Band8-2788-910.1~1000MHz-100-300-15.54



Band8-2788-925~935MHz-100-300-25.53



Band8-2788-925~935MHz-3840-3840-16.94



Band8-2788-935~960MHz-100-300-9.61



Band8-2788-935~960MHz-3840-3840-2.90



Band8-2788-1000~3000MHz-1000-3000-26.37



Band8-2788-1805~1830MHz-100-300-12.65



Band8-2788-1805~1830MHz-3840-3840-7.96



Band8-2788-1830~1880MHz-100-300-12.38



Band8-2788-1830~1880MHz-3840-3840-7.61



Band8-2788-1880~1920MHz-3840-3840--7.86



Band8-2788-2010~2025MHz-3840-3840-7.04



Band8-2788-2110~2170MHz-3840-3840-7.12



Band8-2788-2300~2400MHz-3840-3840-6.62



Band8-2788-2585~2640MHz-3840-3840-5.52



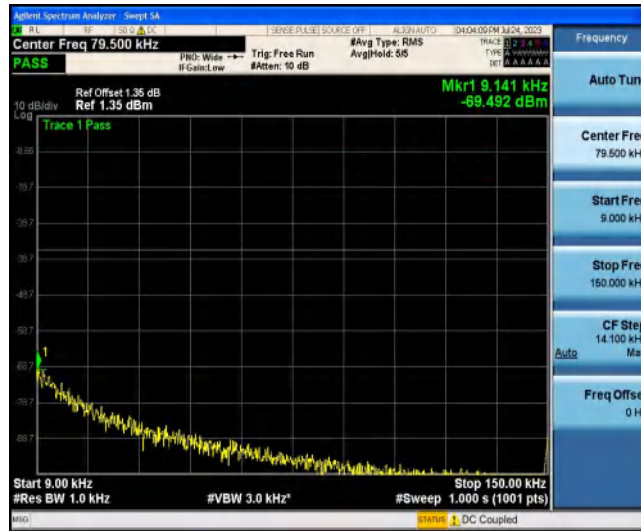
Band8-2788-2640~2690MHz-3840-3840--3.40



Band8-2788-3000~12750MHz-1000-3000-25.76



Band8-2862-0.009~0.15MHz-1-3-33.49



Band8-2862-0.15~30MHz-10-30-17.45



Band8-2862-30~899.9MHz-100-300-19.15



Band8-2862-791~821MHz-3840-3840-3.53



Band8-2862-924.9~1000MHz-100-300-20.71



Band8-2862-925~935MHz-100-300-25.27



Band8-2862-925~935MHz-3840-3840-15.36



Band8-2862-935~960MHz-100-300-9.60



Band8-2862-935~960MHz-3840-3840-2.88



Band8-2862-1000~3000MHz-1000-3000-29.53



Band8-2862-1805~1830MHz-100-300--2.62



Band8-2862-1805~1830MHz-3840-3840--4.35



Band8-2862-1830~1880MHz-100-300-12.34



Band8-2862-1830~1880MHz-3840-3840-4.34



Band8-2862-1880~1920MHz-3840-3840--6.11



Band8-2862-2010~2025MHz-3840-3840-7.02



Band8-2862-2110~2170MHz-3840-3840-7.13



Band8-2862-2300~2400MHz-3840-3840-6.62



Band8-2862-2585~2640MHz-3840-3840-5.52



Band8-2862-2640~2690MHz-3840-3840-5.34



Band8-2862-3000~12750MHz-1000-3000-25.93



Appendix F: Receiver spurious emissions

Test Result

Band	Channel	Frequency Range (MHz)	Frequency (MHz)	Result (dBm)	Limit (dBm)	Verdict
Band1	9750	30~1000	937.82	-88.12	-57	PASS
Band1	9750	1000~12750	12554.17	-70.78	-47	PASS
Band1	9750	1920~1980	1921.32	-71.44	-60	PASS
Band8	2788	30~1000	954.38	-88.01	-57	PASS
Band8	2788	880~915	910.66	-75.89	-60	PASS
Band8	2788	1000~12750	1920.42	-53.71	-47	PASS

Test Graphs

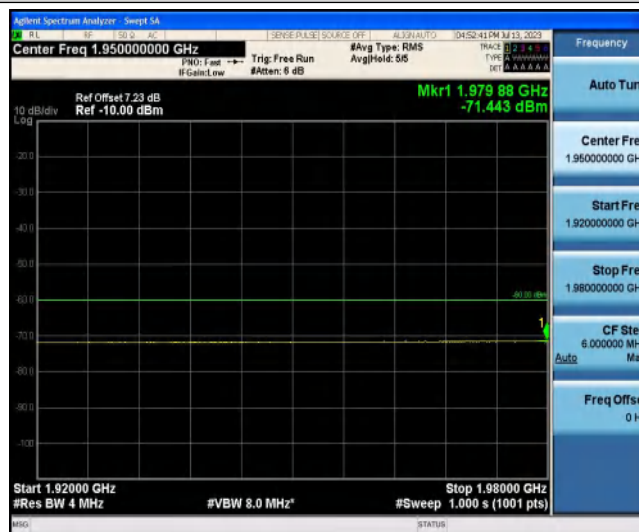
Band1-9750-30~1000-100-300-31.12



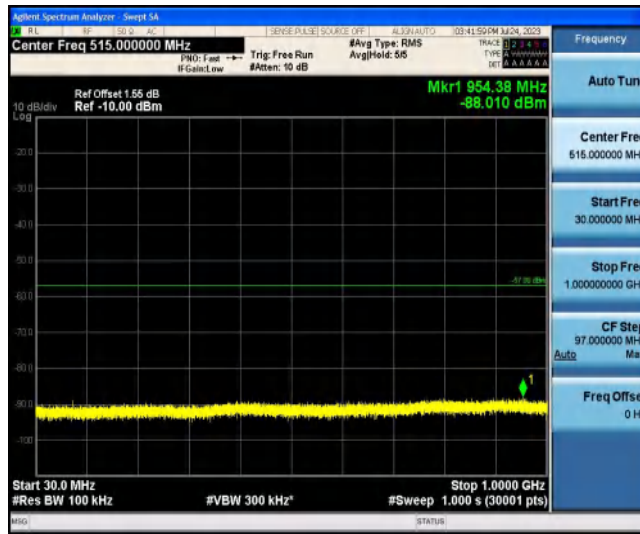
Band1-9750-1000~12750-1000-3000-23.78



Band1-9750-1920~1980-3840-10000--10.53



Band8-2788-30~1000-100-300-31.01



Band8-2788-880~915-3840-1000-15.89



Band8-2788-1000~12750-1000-3000-6.71



Appendix G: Receiver Reference Sensitivity level

Test Result

WCDMA BAND I						
Parameter	Level					Unit
Test Conditions	NTC	HTHV	LTHV	HTLV	LTLV	-
DPCH_Ec	-116.3	-116.3	-116.3	-116.3	-116.3	dBm/3,84 MHz
\hat{I}_{or}	-106	-106	-106	-106	-106	dBm/3,84 MHz
BER	0%	0%	0%	0%	0%	-
Result	Pass	Pass	Pass	Pass	Pass	-

WCDMA BAND VIII						
Parameter	Level					Unit
Test Conditions	NTC	HTHV	LTHV	HTLV	LTLV	-
DPCH_Ec	-113.3	-113.3	-113.3	-113.3	-113.3	dBm/3,84 MHz
\hat{I}_{or}	-103	-103	-103	-103	-103	dBm/3,84 MHz
BER	0%	0%	0%	0%	0%	-
Result	Pass	Pass	Pass	Pass	Pass	-

Appendix H: Receiver Adjacent Channel Selectivity (ACS)

Test Result

WCDMA BAND I			
Parameter	Unit	Case 1	Case 2
DPCH_Ec	dBm/3,84 MHz	-102.3	-75.3
lor	dBm/3,84 MHz	-92	-65
Loac mean power (modulated)	dBm	-52	-25
Fuw(offset)	MHz	+5 or -5	+5 or -5
UE transmitted mean power	dBm	20	20
BER	%	0	0
Result	--	Pass	Pass

Appendix I: Receiver blocking characteristics

Test Result(In-band blocking)

In-band blocking test

WCDMA BAND I			
Parameter	Unit	Level	
DPCH_Ec	dBm/3,84 MHz	-113.3	
lor	dBm/3,84 MHz	-103	
Blocking mean power (modulated)	dBm	-56 (for F _{uw} offset±10Mhz)	-44 (for F _{uw} offset±10Mhz)
UE transmitted mean power	dBm	20	
F _{uw}	MHz	2102.4≤f≤2177.6	2095≤f≤2185
BER	%	0	0
Result	--	Pass	Pass

Out-of-band blocking test

WCDMA BAND I				
Parameter	Unit	Frequency range 1	Frequency range 2	Frequency rang 3
DPCH_Ec	dBm/3,84 MHz	-113.3	-113.3	-113.3
lor	dBm/3,84 MHz	-103	-103	-103
Blocking(cw)	dBm	-44	-30	-15
F _{uw}	MHz	2050<f<2095 2185<f<2230	2025<f<2050 2230<f<2255	1<f<2025 2255<f<12750
Spurious response frequency	MHz	NO	NO	NO
Result	--	Pass	Pass	Pass

In-band blocking test

WCDMA BAND VIII			
Parameter	Unit	Level	
DPCH_Ec	dBm/3,84 MHz	-110.3	
lor	dBm/3,84 MHz	-100	
Blocking mean power (modulated)	dBm	-56 (for F _{uw} offset±10MHz)	-44 (for F _{uw} offset±10MHz)
UE transmitted mean power	dBm	20	
F _{uw}	MHz	917.4≤f≤967.6	910≤f≤975
BER	%	0	0
Result	--	Pass	Pass

Out-of-band blocking test

WCDMA BAND VIII				
Parameter	Unit	Frequency range 1	Frequency range 2	Frequency range 3
DPCH_Ec	dBm/3,84 MHz	-113.3	-113.3	-113.3
lor	dBm/3,84 MHz	-100	-100	-100
Blocking(cw)	dBm	-44	-30	-15
F _{uw}	MHz	865<f<910 975<f<1020	840<f<865 1020<f<1045	1<f<840 1045<f<12750
Spurious response frequency	MHz	NO	NO	NO
Result	--	Pass	Pass	Pass

Narrow band blocking test

WCDMA BAND VIII		
Parameter	Unit	Level
DPCH_Ec	dBm/3,84 MHz	-103.3
lor	dBm/3,84 MHz	-93
Blocking(GMSK)	dBm	-56
F _{uw} (offset)	MHz	±2.8
UE transmitted mean power	MHz	20
Result	--	Pass



Appendix J: Receiver intermodulation characteristics

Test Result

Receive intermodulation characteristics

WCDMA BAND I			
Parameter	Level		Unit
DPCH_Ec	-113.3		dBm/3,84 MHz
\hat{I}_{or}	-103		dBm/3,84 MHz
Louw1(CW)	-46		dBm
Louw2(modulated)	-46		dBm
Fuw1(offset)	10	-10	MHz
Fuw2(offset)	20	-20	MHz
UE transmitted mean power	20	20	dBm
BER	0%	0%	-
Result	Pass	Pass	-

Receive intermodulation characteristics

WCDMA BAND VIII			
Parameter	Level		Unit
DPCH_Ec	-110.3		dBm/3,84 MHz
\hat{I}_{or}	-100		dBm/3,84 MHz
Louw1(CW)	-46		dBm
Louw2(modulated)	-46		dBm
Fuw1(offset)	10	-10	MHz
Fuw2(offset)	20	-20	MHz
UE transmitted mean power	20	20	dBm
BER	0%	0%	-
Result	Pass	Pass	-

Narrow band intermodulation characteristics

WCDMA BAND VIII			
Parameter	Level		Unit
DPCH_Ec	-103.3		dBm/3,84 MHz
\hat{I}_{or}	-93		dBm/3,84 MHz
Louw1(CW)	-43		dBm
Louw2(modulated)	-43		dBm
Fuw1(offset)	3.6	-3.6	MHz
Fuw2(offset)	6.0	-6.0	MHz
UE transmitted mean power	20	20	dBm
BER	0%	0%	-
Result	Pass	Pass	-

Appendix L: OUT-OF-SYNCHRONIZATION HANDLING OF OUTPUT POWER

TEST RESULTS

Operating Band	Test Conditions	Test Channel	Measurement Data(dBm)	Limit (dBm)	Result
Band I	TNVN	MCH	-64.56	-55	Pass
Band VIII	TNVN	MCH	-64.61	-55	Pass

Appendix M: CONTROL AND MONITORING FUNCTIONS (UE)

Test Mode	TX Mode
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Test Case	Power-Real (Voltage)	Max Level (dBm)	Margin to Limit (dBm)	Verdict
WCDMA Band I	DC 3.85V	-48.3	-18.3	PASS
WCDMA Band VIII	DC 3.85V	-47.8	-17.8	PASS

Note: Margin to Limit = Max Level – Limit (-30dBm)