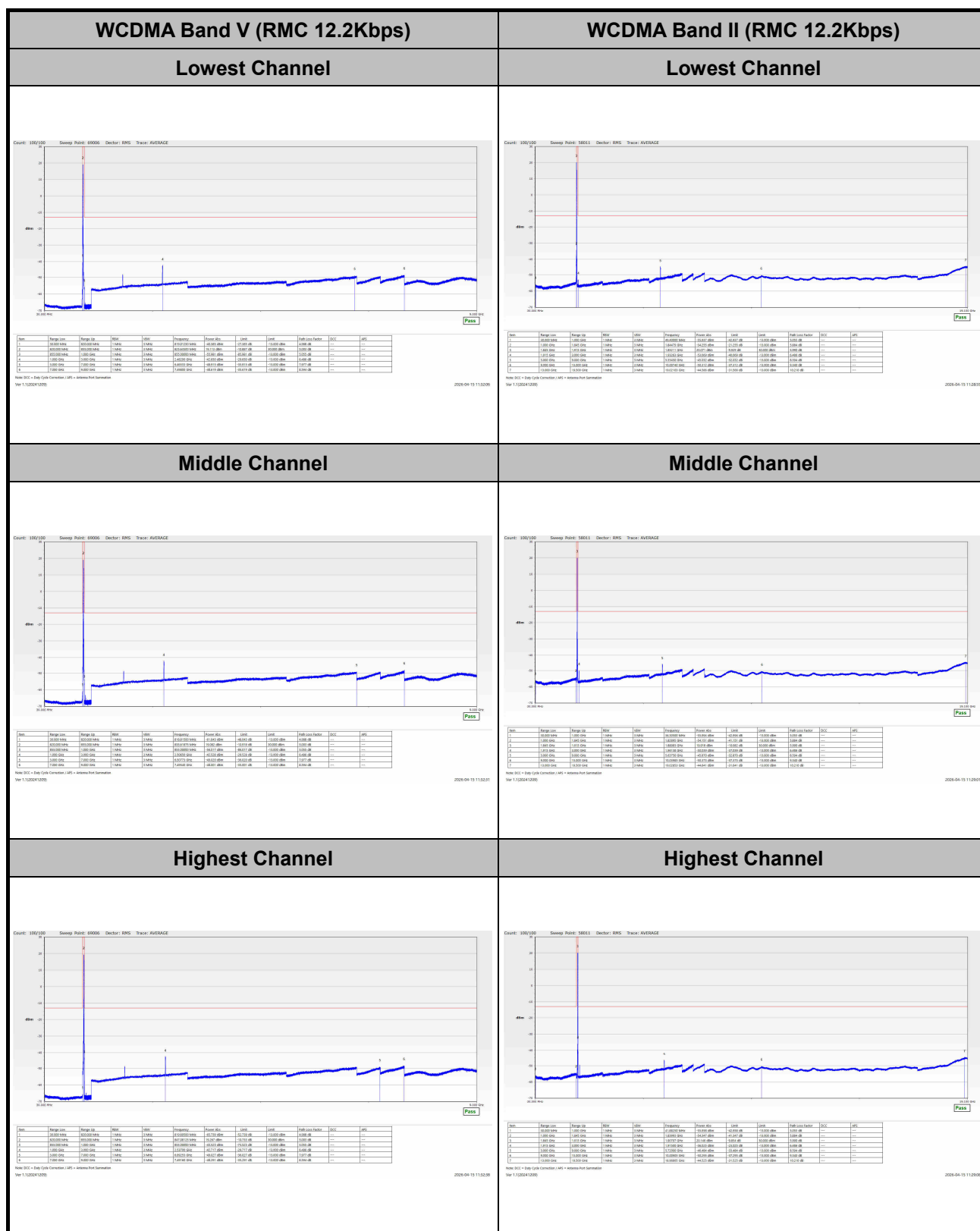
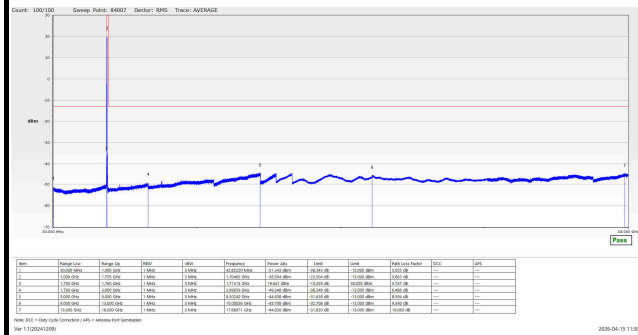


Conducted Spurious Emission

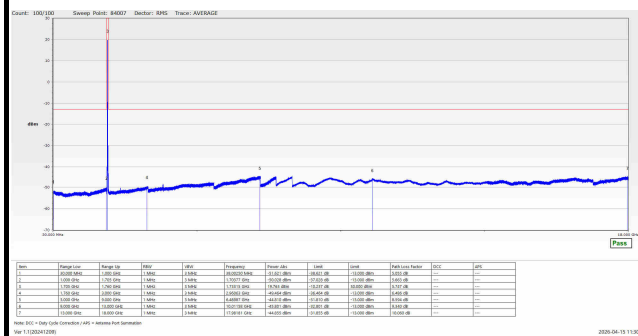


WCDMA Band IV (RMC 12.2Kbps)

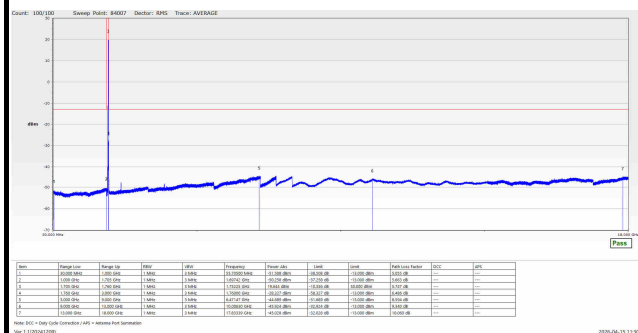
Lowest Channel



Middle Channel



Highest Channel



**Frequency Stability**

Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2KbpsRMC 12.2Kbps)	Limit
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	2.5ppm
50	Normal Voltage	0.0068	PASS
40	Normal Voltage	0.0033	
30	Normal Voltage	0.0044	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0014	
0	Normal Voltage	0.0028	
-10	Normal Voltage	0.0026	
-20	Normal Voltage	0.0037	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0051	
20	Battery End Point	0.0029	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Note 2.
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0032	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0029	
-10	Normal Voltage	0.0031	
-20	Normal Voltage	0.0038	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0026	
20	Battery End Point	0.0021	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0032	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0044	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0036	
0	Normal Voltage	0.0041	
-10	Normal Voltage	0.0031	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0072	
20	Maximum Voltage	0.0036	
20	Normal Voltage	0.0047	
20	Battery End Point	0.0058	

Note:

1. Normal Voltage =3.80 V. ; Battery End Point (BEP) =3.50V. ; Maximum Voltage =4.35 V.
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Simle Wang	Temperature :	22~23°C
		Relative Humidity :	40~42%

WCDMA Band V(RMC 12.2Kbps)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1656	-51.33	-13	-38.33	-58.30	1.58	10.70	H
	2480	-51.61	-13	-38.61	-59.86	2.102	12.50	H
	3304	-56.71	-13	-43.71	-65.60	2.856	13.90	H
	1656	-44.83	-13	-31.83	-51.80	1.58	10.70	V
	2480	-48.78	-13	-35.78	-57.03	2.10	12.50	V
	3304	-56.81	-13	-43.81	-65.70	2.86	13.90	V
Middle	1672	-53.50	-13	-40.50	-60.47	1.58	10.70	H
	2512	-54.43	-13	-41.43	-62.68	2.102	12.50	H
	3344	-56.91	-13	-43.91	-65.80	2.856	13.90	H
	1672	-47.42	-13	-34.42	-54.39	1.58	10.70	V
	2512	-50.52	-13	-37.52	-58.77	2.10	12.50	V
	3344	-57.16	-13	-44.16	-66.05	2.86	13.90	V
Highest	1696	-55.94	-13	-42.94	-62.91	1.58	10.70	H
	2536	-54.54	-13	-41.54	-62.79	2.102	12.50	H
	3384	-57.70	-13	-44.70	-66.59	2.856	13.90	H
	1696	-50.74	-13	-37.74	-57.71	1.58	10.70	V
	2536	-53.57	-13	-40.57	-61.82	2.10	12.50	V
	3384	-57.91	-13	-44.91	-66.80	2.86	13.90	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



WCDMA Band II(RMC 12.2Kbps)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3705	-54.60	-13	-41.60	-66.86	2.641	14.90	H
	5550	-50.28	-13	-37.28	-62.14	2.94	14.80	H
	7410	-52.81	-13	-39.81	-62.58	3.39	13.16	H
	3705	-55.27	-13	-42.27	-67.53	2.64	14.90	V
	5550	-50.81	-13	-37.81	-62.67	2.94	14.80	V
	7410	-52.96	-13	-39.96	-62.73	3.39	13.16	V
Middle	3765	-54.43	-13	-41.43	-66.69	2.641	14.90	H
	5640	-49.05	-13	-36.05	-60.91	2.94	14.80	H
	7515	-52.32	-13	-39.32	-62.09	3.39	13.16	H
	3765	-55.44	-13	-42.44	-67.70	2.64	14.90	V
	5640	-49.92	-13	-36.92	-61.78	2.94	14.80	V
	7515	-51.73	-13	-38.73	-61.50	3.39	13.16	V
Highest	3810	-55.54	-13	-42.54	-67.80	2.641	14.90	H
	5715	-49.29	-13	-36.29	-61.15	2.94	14.80	H
	7635	-52.02	-13	-39.02	-61.79	3.39	13.16	H
	3810	-55.71	-13	-42.71	-67.97	2.64	14.90	V
	5715	-49.22	-13	-36.22	-61.08	2.94	14.80	V
	7635	-52.37	-13	-39.37	-62.14	3.39	13.16	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

WCDMA Band IV(RMC 12.2Kbps)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3420	-55.93	-13	-42.93	-66.67	2.604	13.34	H
	5130	-54.10	-13	-41.10	-64.61	3.011	13.52	H
	6855	-54.17	-13	-41.17	-64.37	3.271	13.47	H
	3420	-55.34	-13	-42.34	-66.08	2.604	13.34	V
	5130	-53.59	-13	-40.59	-64.10	3.011	13.52	V
	6855	-54.06	-13	-41.06	-64.26	3.271	13.47	V
Middle	3465	-56.46	-13	-43.46	-67.20	2.604	13.34	H
	5190	-54.64	-13	-41.64	-65.15	3.011	13.52	H
	6930	-53.89	-13	-40.89	-64.09	3.271	13.47	H
	3465	-56.68	-13	-43.68	-67.42	2.604	13.34	V
	5190	-54.69	-13	-41.69	-65.20	3.011	13.52	V
	6930	-53.79	-13	-40.79	-63.99	3.271	13.47	V
Highest	3510	-57.12	-13	-44.12	-67.86	2.604	13.34	H
	5250	-54.91	-13	-41.91	-65.42	3.011	13.52	H
	7005	-53.77	-13	-40.77	-63.97	3.271	13.47	H
	3510	-57.89	-13	-44.89	-68.63	2.604	13.34	V
	5250	-54.14	-13	-41.14	-64.65	3.011	13.52	V
	7005	-53.40	-13	-40.40	-63.60	3.271	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.