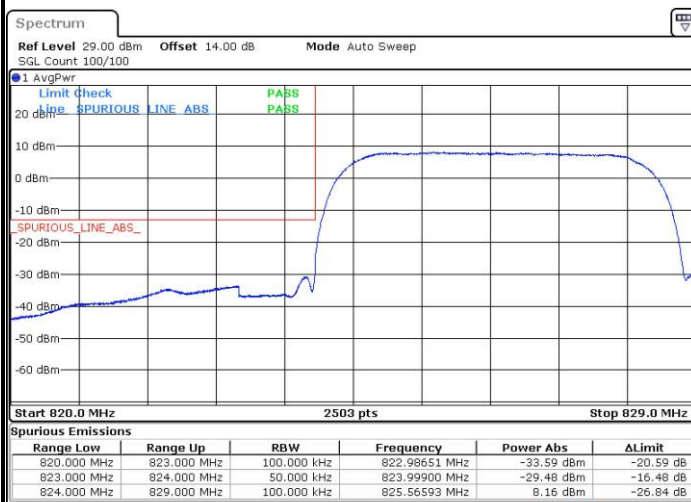




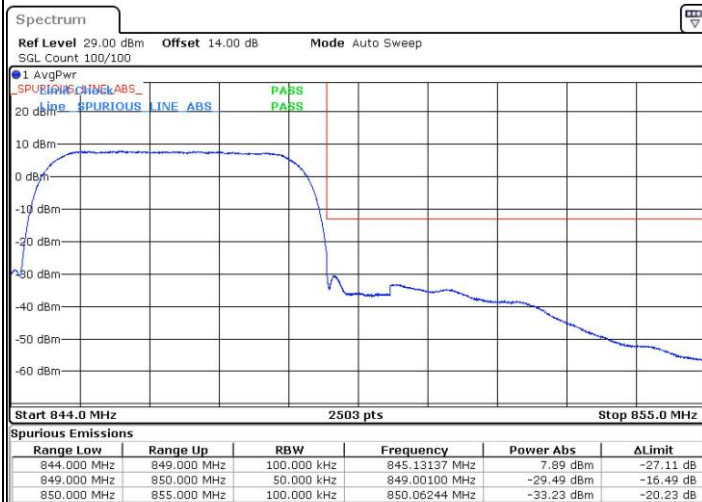
Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge

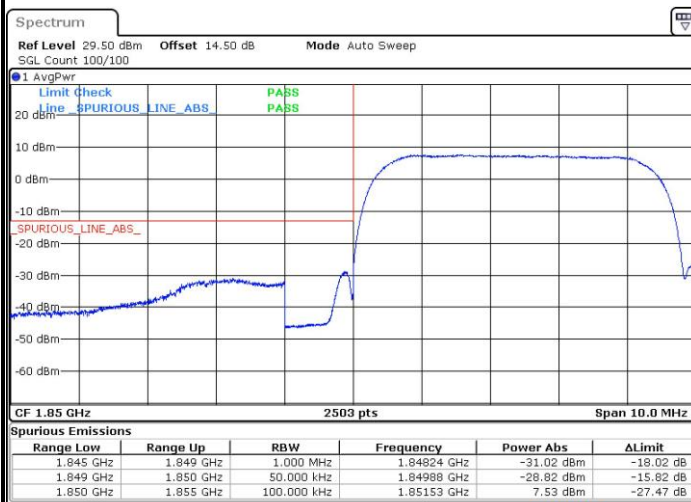


Highest Band Edge



WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



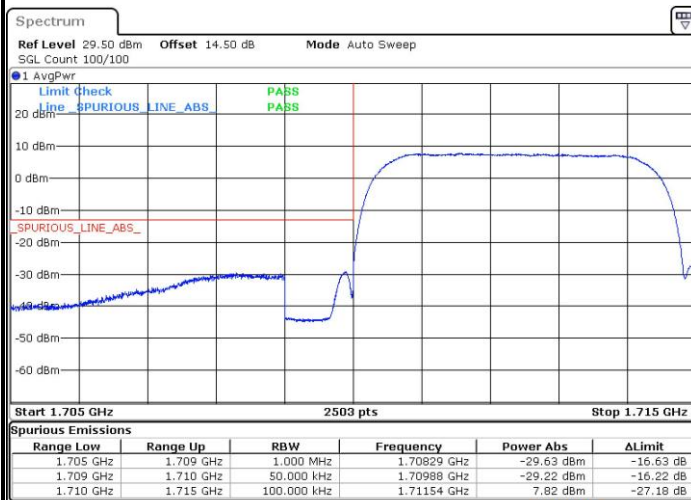
Highest Band Edge





WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge



Highest Band Edge

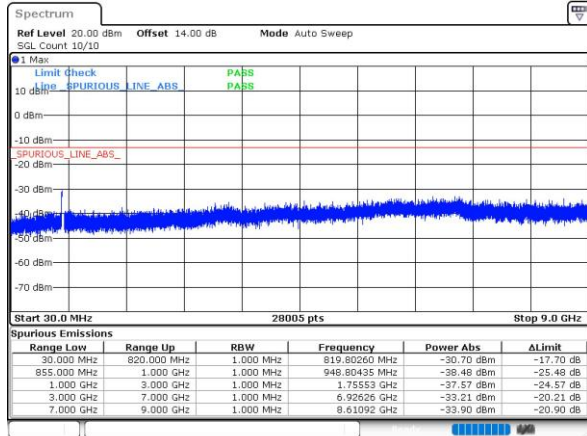




Conducted Spurious Emission

WCDMA Band V (RMC 12.2Kbps)

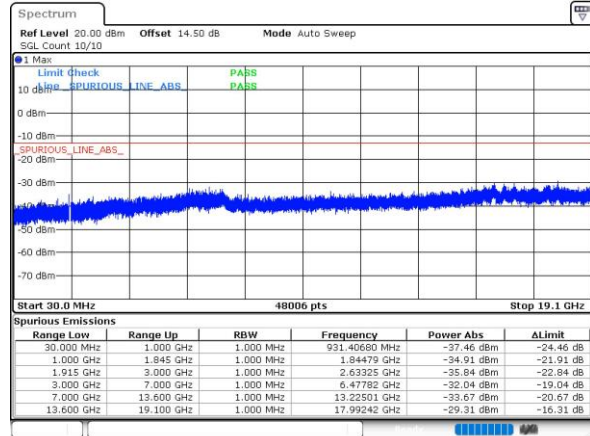
Lowest Channel



Date: 1.MAR.2022 10:08:47

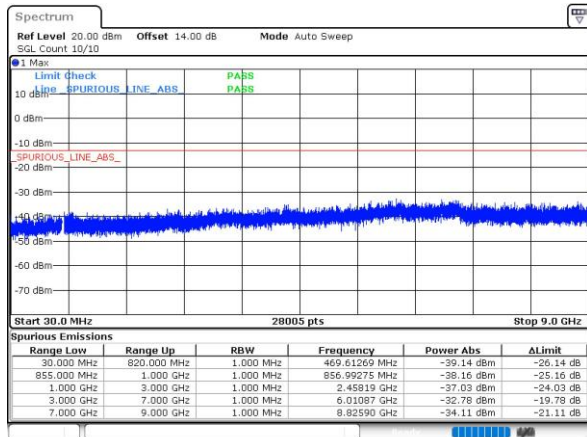
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



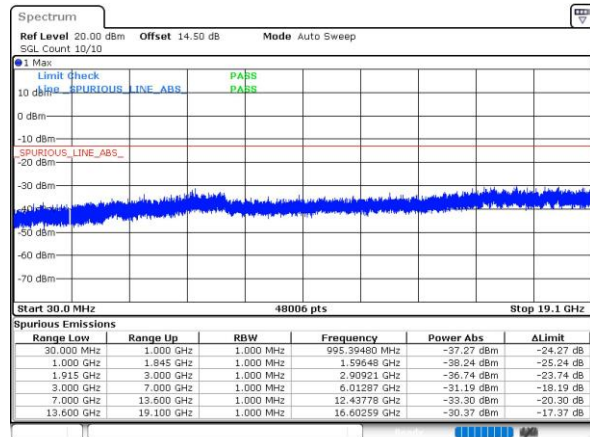
Date: 1.MAR.2022 09:50:52

Middle Channel



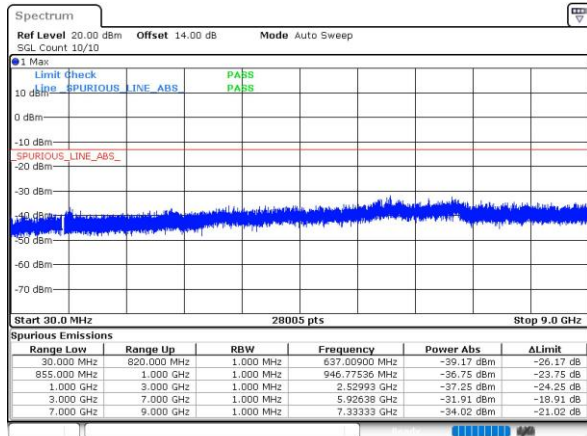
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Middle Channel



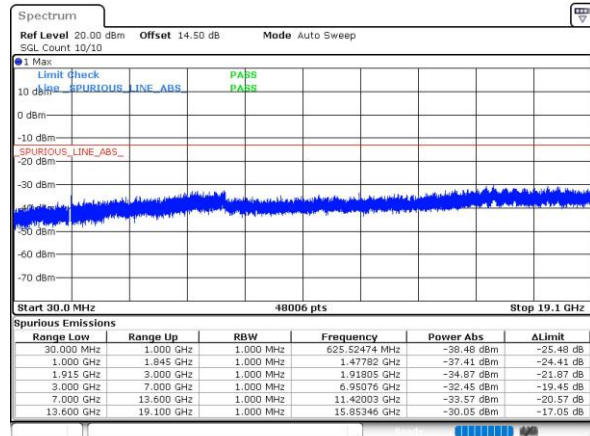
Date: 1.MAR.2022 09:51:17

Highest Channel



Date: 1.MAR.2022 10:09:39

Highest Channel

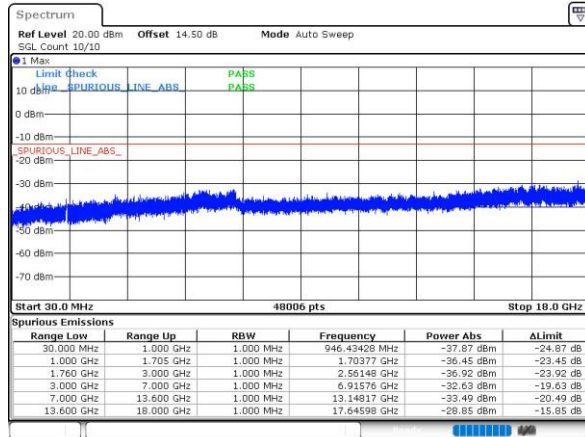


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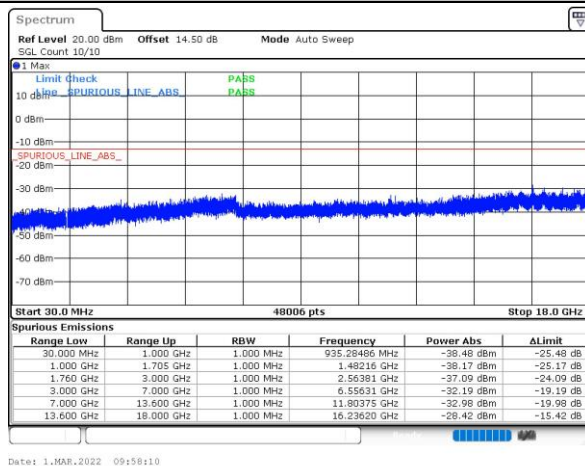


WCDMA Band IV (RMC 12.2Kbps)

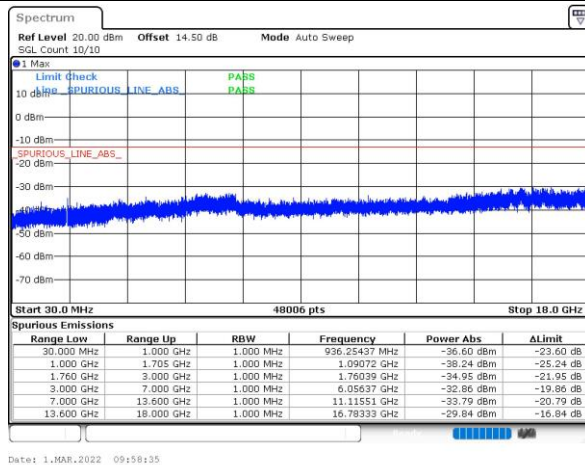
Lowest Channel



Middle Channel



Highest Channel



**Frequency Stability**

Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2Kbps)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0005	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0004	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

Note:

1. Normal Voltage = 3.87 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.45 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 :	Zhao hui Liang	Temperature :	22~25°C
		Relative Humidity :	48~52%

Note: Pre-scanned harmonic for the different antenna, we choose the worst antenna mode to test.

GSM850 (GSM) ANT1									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648.4	-65.30	-13	-52.30	-76.86	-68.53	3.98	9.36	H
	2472.6	-59.64	-13	-46.64	-78.28	-63.19	4.85	10.55	H
	3296.8	-58.94	-13	-45.94	-79.72	-63.87	5.50	12.58	H
	1648.4	-64.66	-13	-51.66	-76.86	-67.89	3.98	9.36	V
	2472.6	-59.70	-13	-46.70	-78.66	-63.25	4.85	10.55	V
	3296.8	-57.66	-13	-44.66	-79.33	-62.59	5.50	12.58	V
Middle	1672.8	-65.21	-13	-52.21	-76.92	-68.46	4.00	9.40	H
	2509.2	-59.76	-13	-46.76	-78.66	-63.33	4.88	10.60	H
	3345.6	-58.88	-13	-45.88	-79.95	-63.81	5.52	12.60	H
	1672.8	-64.52	-13	-51.52	-76.94	-67.77	4.00	9.40	V
	2509.2	-59.52	-13	-46.52	-78.63	-63.09	4.88	10.60	V
	3345.6	-58.59	-13	-45.59	-79.96	-63.52	5.52	12.60	V
Highest	1697.6	-65.32	-13	-52.32	-77.32	-68.49	4.10	9.42	H
	2546.4	-59.81	-13	-46.81	-78.87	-63.39	4.90	10.63	H
	3395.2	-59.24	-13	-46.24	-79.03	-64.16	5.55	12.62	H
	1697.6	-64.63	-13	-51.63	-77.30	-67.80	4.10	9.42	V
	2546.4	-59.65	-13	-46.65	-78.93	-63.23	4.90	10.63	V
	3395.2	-58.22	-13	-45.22	-79.34	-63.14	5.55	12.62	V

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



GSM850 (EDGE 1 Tx slots) ANT1									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1649.4	-65.64	-13	-52.64	-77.20	-68.87	3.98	9.36	H
	2474.1	-60.33	-13	-47.33	-78.97	-63.88	4.85	10.55	H
	3298.8	-59.04	-13	-46.04	-79.82	-63.97	5.50	12.58	H
	1649.4	-64.97	-13	-51.97	-77.17	-68.20	3.98	9.36	V
	2474.1	-59.95	-13	-46.95	-78.91	-63.50	4.85	10.55	V
	3298.8	-58.02	-13	-45.02	-79.69	-62.95	5.50	12.58	V
Middle	1673.04	-65.72	-13	-52.72	-77.43	-68.97	4.00	9.40	H
	2509.56	-59.90	-13	-46.90	-78.80	-63.47	4.88	10.60	H
	3346.08	-59.75	-13	-46.75	-80.82	-64.68	5.52	12.60	H
	1673.04	-64.92	-13	-51.92	-77.34	-68.17	4.00	9.40	V
	2509.56	-59.49	-13	-46.49	-78.60	-63.06	4.88	10.60	V
	3346.08	-59.23	-13	-46.23	-80.60	-64.16	5.52	12.60	V
Highest	1696.62	-65.35	-13	-52.35	-77.35	-68.52	4.10	9.42	H
	2544.93	-59.86	-13	-46.86	-78.92	-63.44	4.90	10.63	H
	3393.24	-59.79	-13	-46.79	-79.58	-64.71	5.55	12.62	H
	1696.62	-64.75	-13	-51.75	-77.42	-67.92	4.10	9.42	V
	2544.93	-59.70	-13	-46.70	-78.98	-63.28	4.90	10.63	V
	3393.24	-58.57	-13	-45.57	-79.69	-63.49	5.55	12.62	V

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

GSM1900 (GSM) ANT0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3700.4	-57.31	-13	-44.31	-80.31	-64.07	5.82	12.58	H
	5550.6	-54.71	-13	-41.71	-79.12	-60.43	7.28	13.00	H
	7400.8	-54.41	-13	-41.41	-81.17	-57.57	8.32	11.48	H
	3700.4	-55.41	-13	-42.41	-80.1	-62.17	5.82	12.58	V
	5550.6	-50.86	-13	-37.86	-75.7	-56.58	7.28	13.00	V
	7400.8	-54.85	-13	-41.85	-81.58	-58.01	8.32	11.48	V
Middle	3760	-57.55	-13	-44.55	-79.89	-64.30	5.85	12.60	H
	5640	-54.42	-13	-41.42	-78.54	-60.22	7.30	13.10	H
	7520	-55.00	-13	-42.00	-81.28	-58.15	8.35	11.50	H
	3760	-54.78	-13	-41.78	-80.28	-61.53	5.85	12.60	V
	5640	-52.05	-13	-39.05	-76.32	-57.85	7.30	13.10	V
	7520	-55.13	-13	-42.13	-81.39	-58.28	8.35	11.50	V
Highest	3819.6	-57.46	-13	-44.46	-80.24	-64.20	5.88	12.62	H
	5729.4	-53.14	-13	-40.14	-77.76	-58.95	7.32	13.13	H
	7639.2	-55.70	-13	-42.70	-81.57	-58.86	8.38	11.54	H
	3819.6	-53.05	-13	-40.05	-77.43	-59.79	5.88	12.62	V
	5729.4	-52.43	-13	-39.43	-77.53	-58.24	7.32	13.13	V
	7639.2	-54.17	-13	-41.17	-81.07	-57.33	8.38	11.54	V

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



GSM1900 (EDGE 1 Tx slots) ANT0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3700.4	-57.01	-13	-44.01	-80.01	-63.77	5.82	12.58	H
	5550.6	-52.72	-13	-39.72	-77.13	-58.44	7.28	13.00	H
	7400.8	-54.57	-13	-41.57	-81.33	-57.73	8.32	11.48	H
	3700.4	-55.49	-13	-42.49	-80.18	-62.25	5.82	12.58	V
	5550.6	-52.22	-13	-39.22	-77.06	-57.94	7.28	13.00	V
	7400.8	-54.80	-13	-41.80	-81.53	-57.96	8.32	11.48	V
Middle	3760	-57.77	-13	-44.77	-80.11	-64.52	5.85	12.60	H
	5640	-53.32	-13	-40.32	-77.44	-59.12	7.30	13.10	H
	7520	-55.28	-13	-42.28	-81.56	-58.43	8.35	11.50	H
	3760	-55.29	-13	-42.29	-80.79	-62.04	5.85	12.60	V
	5640	-53.95	-13	-40.95	-78.22	-59.75	7.30	13.10	V
	7520	-54.91	-13	-41.91	-81.17	-58.06	8.35	11.50	V
Highest	3819.6	-57.15	-13	-44.15	-79.93	-63.89	5.88	12.62	H
	5729.4	-55.14	-13	-42.14	-79.76	-60.95	7.32	13.13	H
	7639.2	-55.63	-13	-42.63	-81.50	-58.79	8.38	11.54	H
	3819.6	-54.02	-13	-41.02	-78.4	-60.76	5.88	12.62	V
	5729.4	-52.33	-13	-39.33	-77.43	-58.14	7.32	13.13	V
	7639.2	-54.54	-13	-41.54	-81.44	-57.70	8.38	11.54	V

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

WCDMA Band V(RMC 12.2Kbps) ANT0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1652.8	-65.44	-13	-52.44	-77.00	-68.67	3.98	9.36	H
	2479.2	-60.22	-13	-47.22	-78.86	-63.77	4.85	10.55	H
	3305.6	-59.23	-13	-46.23	-80.11	-64.16	5.50	12.58	H
	1652.8	-64.59	-13	-51.59	-76.79	-67.82	3.98	9.36	V
	2479.2	-59.82	-13	-46.82	-78.78	-63.37	4.85	10.55	V
	3305.6	-58.31	-13	-45.31	-79.89	-63.24	5.50	12.58	V
Middle	1672.8	-65.61	-13	-52.61	-77.32	-68.86	4.00	9.40	H
	2509.2	-59.96	-13	-46.96	-78.86	-63.53	4.88	10.60	H
	3345.6	-59.06	-13	-46.06	-80.13	-63.99	5.52	12.60	H
	1672.8	-64.59	-13	-51.59	-77.01	-67.84	4.00	9.40	V
	2509.2	-59.78	-13	-46.78	-78.89	-63.35	4.88	10.60	V
	3345.6	-58.77	-13	-45.77	-80.14	-63.70	5.52	12.60	V
Highest	1693.2	-65.29	-13	-52.29	-77.29	-68.46	4.10	9.42	H
	2539.8	-59.99	-13	-46.99	-79.04	-63.57	4.90	10.63	H
	3386.4	-60.20	-13	-47.20	-80.41	-65.12	5.55	12.62	H
	1693.2	-64.58	-13	-51.58	-77.25	-67.75	4.10	9.42	V
	2539.8	-59.70	-13	-46.70	-78.97	-63.28	4.90	10.63	V
	3386.4	-58.73	-13	-45.73	-79.93	-63.65	5.55	12.62	V

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



WCDMA Band II(RMC 12.2Kbps) ANT0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3704.8	-57.39	-13	-44.39	-80.39	-64.15	5.82	12.58	H
	5557.2	-56.93	-13	-43.93	-81.34	-62.65	7.28	13.00	H
	7409.6	-54.59	-13	-41.59	-81.34	-57.75	8.32	11.48	H
	3704.8	-54.90	-13	-41.90	-79.59	-61.66	5.82	12.58	V
	5557.2	-56.67	-13	-43.67	-81.51	-62.39	7.28	13.00	V
	7409.6	-54.53	-13	-41.53	-81.25	-57.69	8.32	11.48	V
Middle	3760	-57.63	-13	-44.63	-79.97	-64.38	5.85	12.60	H
	5640	-56.80	-13	-43.80	-80.92	-62.60	7.30	13.10	H
	7520	-55.37	-13	-42.37	-81.65	-58.52	8.35	11.50	H
	3760	-55.32	-13	-42.32	-80.82	-62.07	5.85	12.60	V
	5640	-56.76	-13	-43.76	-81.03	-62.56	7.30	13.10	V
	7520	-54.98	-13	-41.98	-81.24	-58.13	8.35	11.50	V
Highest	3815.2	-56.69	-13	-43.69	-79.47	-63.43	5.88	12.62	H
	5722.8	-56.50	-13	-43.50	-81.12	-62.31	7.32	13.13	H
	7630.4	-55.69	-13	-42.69	-81.61	-58.85	8.38	11.54	H
	3815.2	-54.41	-13	-41.41	-78.79	-61.15	5.88	12.62	V
	5722.8	-55.90	-13	-42.90	-81	-61.71	7.32	13.13	V
	7630.4	-54.95	-13	-41.95	-81.55	-58.11	8.38	11.54	V

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

WCDMA Band IV(RMC 12.2Kbps) ANT0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3424.8	-58.95	-13	-45.95	-80.32	-65.83	5.60	12.48	H
	5137.2	-57.17	-13	-44.17	-80.86	-62.85	7.10	12.78	H
	6849.6	-55.69	-13	-42.69	-81.30	-59.08	8.38	11.77	H
	3424.8	-57.89	-13	-44.89	-80.33	-64.77	5.60	12.48	V
	5137.2	-56.41	-13	-43.41	-80.84	-62.09	7.10	12.78	V
	6849.6	-54.09	-13	-41.09	-81.53	-57.48	8.38	11.77	V
Middle	3465.2	-57.78	-13	-44.78	-79.73	-64.63	5.65	12.50	H
	5197.8	-56.85	-13	-43.85	-81.01	-62.52	7.13	12.80	H
	6930.4	-55.78	-13	-42.78	-81.48	-59.18	8.40	11.80	H
	3465.2	-57.13	-13	-44.13	-78.88	-63.98	5.65	12.50	V
	5197.8	-56.82	-13	-43.82	-81.25	-62.49	7.13	12.80	V
	6930.4	-54.76	-13	-41.76	-81.38	-58.16	8.40	11.80	V
Highest	3505.2	-57.75	-13	-44.75	-79.28	-64.59	5.68	12.52	H
	5257.8	-57.26	-13	-44.26	-81.59	-62.93	7.15	12.82	H
	7010.4	-55.84	-13	-42.84	-81.68	-59.27	8.42	11.85	H
	3505.2	-56.86	-13	-43.86	-79.93	-63.70	5.68	12.52	V
	5257.8	-57.39	-13	-44.39	-81.69	-63.06	7.15	12.82	V
	7010.4	-55.10	-13	-42.10	-81.29	-58.53	8.42	11.85	V

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